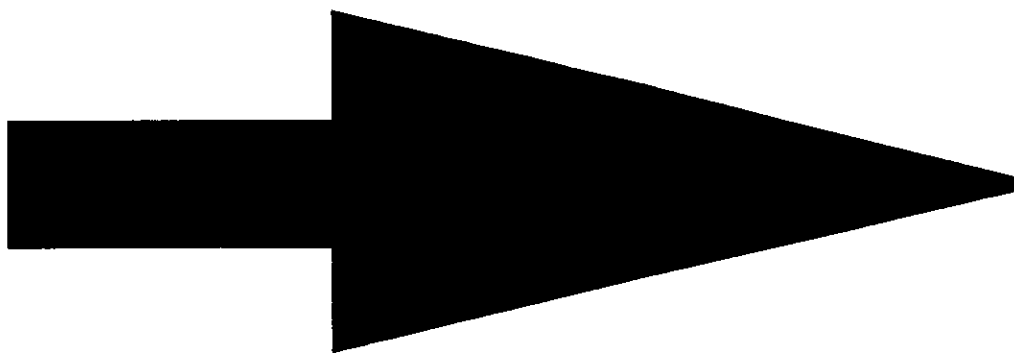




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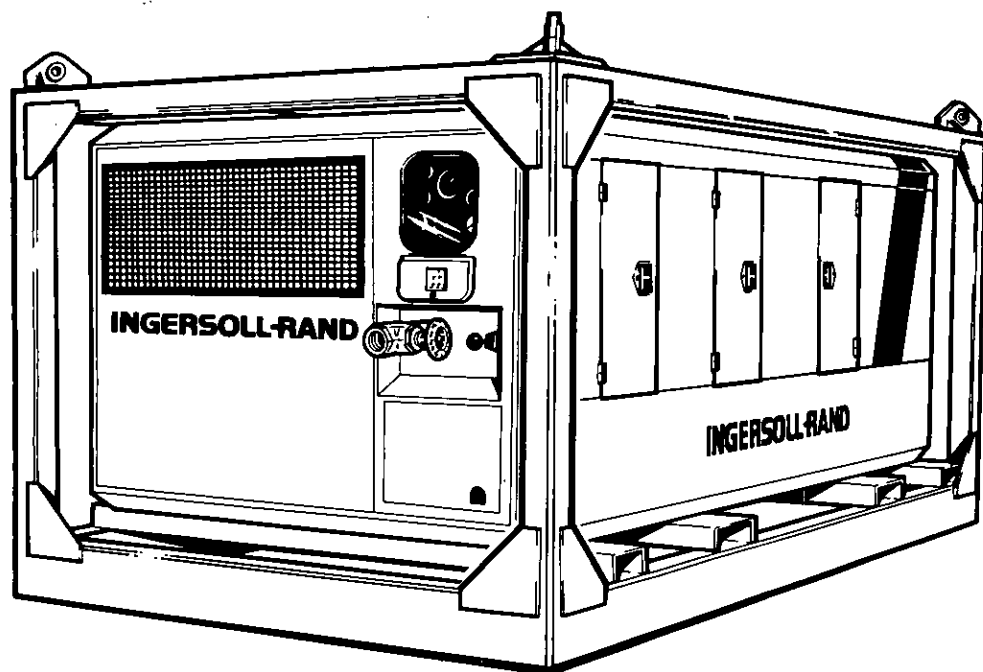
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998100

**SCOMAX**

# INGERSOLL-RAND

# HP 750 O.S.A.



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SERIAL No. RANGE

FROM

998051

TO

998100

OPERATING & MAINTENANCE MANUAL  
with spare parts list

MANUAL D'UTILISATION ET D'ENTRETIEN  
avec catalogue de pieces detachees

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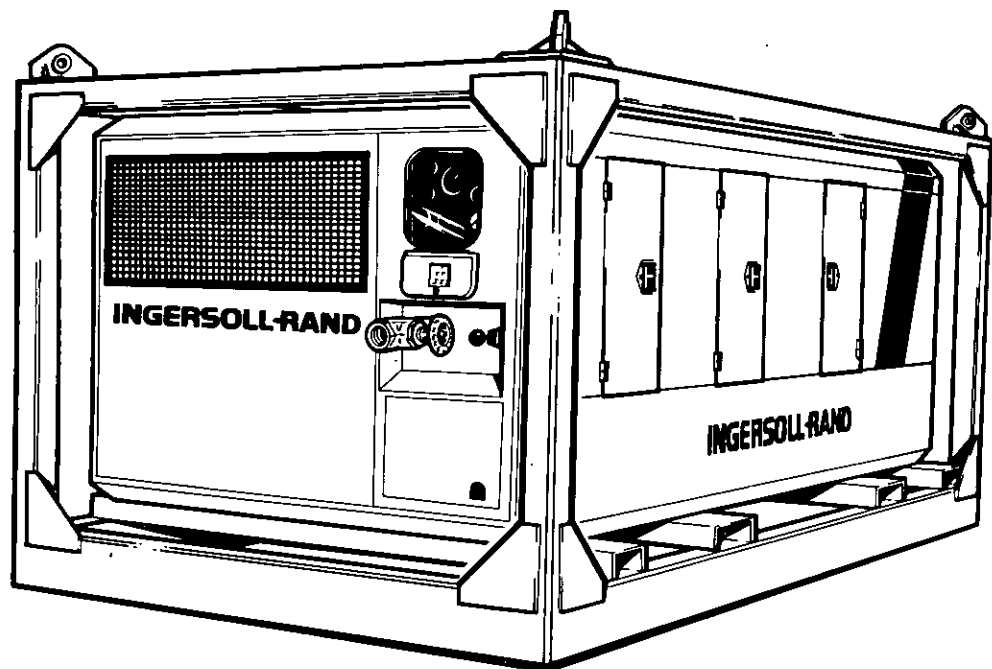
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MANUAL DE MANEJO Y MANTENIMIENTO  
con Lista de Repuestos

دليل التشغيل والصيانة  
مع قائمة قطع الغيار

# INGERSOLL-RAND

## HP 750 O.S.A.



PARTS BOOK C.P.N. 92668193

ISSUE No. 6

DATE : APRIL 1989

Revised (09-12)

OPERATING & MAINTENANCE MANUAL

MANUAL D'UTILISATION D'ENTRETIEN

BEDIENUNGS-UND WARTUNGSANLEITUNG

LIBRO D'USO E MANUTENZIONE

MANUAL DE MANEJO Y MANTENIMIENTO

دليل التشغيل والصيانة

## FOREWORD

In preparing this publication, every effort has been made to provide sufficient information to permit an operator to perform his duties so as to receive maximum performance and trouble free service from the compressor. All classes of equipment, regardless of how well built, require a certain amount of attention. The purpose of this publication is to acquaint an operator with the functions, operation and servicing of the various components, which were built with the very best of materials and workmanship, to obtain maximum life from the compressor.

Before starting the compressor, the instructions should be carefully read to obtain a thorough knowledge of the duties to be performed. Take pride in the compressor, keep it clean, and in good mechanical condition. For major servicing, not covered in this publication, consult your nearest Ingersoll-Rand Company Branch office, or the distributor from whom the compressor was purchased.

Correspondence with a distributor must always specify the serial number of the compressor as well as the model.

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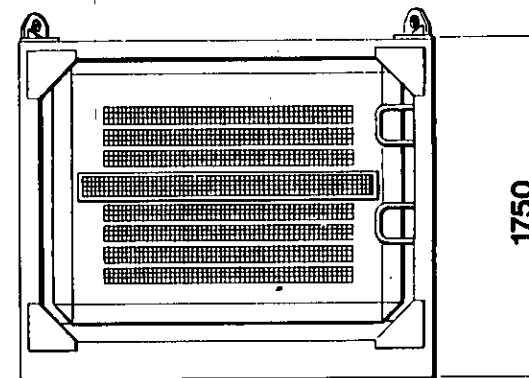
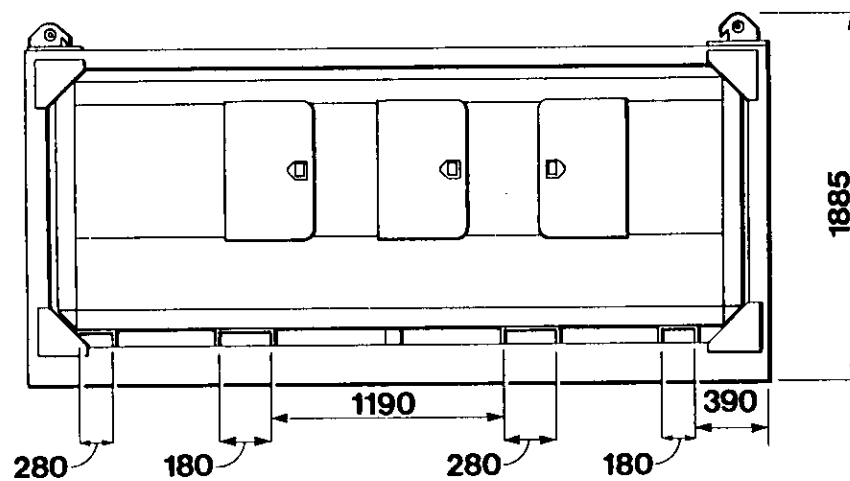
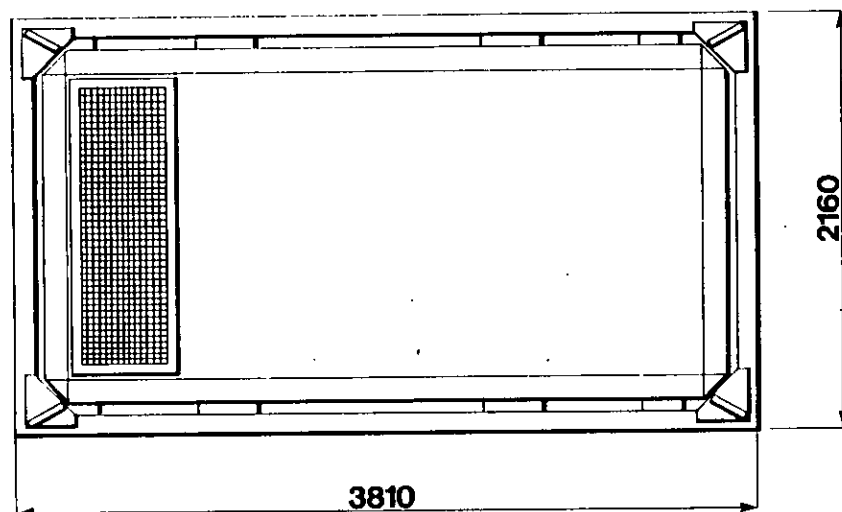
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GENERAL DATA



**GENERAL DATA**

| COMPRESSOR                                                                                                                                                                                                                                                | ENGINE                                                                                                                                                                                                                                                                                                                                                                                                                       | WEIGHTS                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <p>Model : HP 750 O.S.A.</p> <p>Actual Free Air Delivery : 750 cfm</p> <p>Normal Operating Pressure : 150 psig/10.3 Bar</p> <p>Maximum Pressure : 160 psig/11 Bar</p> <p>Cooling System : Oil Injection</p> <p>Lubricant/Coolant Capacity : 73 Litres</p> | <p>Model : Caterpillar 3306 DITA (Marine)</p> <p>Number of Cylinders : 6</p> <p>Displacement : 10.5 Litres</p> <p>Compression Ratio : 15:1</p> <p>Oil Capacity : 27.4 Litres</p> <p>Speed at Full Load : 2100 R.P.M.</p> <p>Speed at Idle : 1000 R.P.M.</p> <p>Fuel Tank Capacity : 68 Imp. Gallons</p> <p>Flame Trap : 44 kg.</p> <p>Water Cooling System Capacity : 109 Litres</p> <p>Anti-freeze Capacity : 50 Litres</p> | <p>Maximum Weight (including cradle) : 6000 kg</p> <p>Weight of Cradle : 1000 kg</p> <p>Shipping Weight : 6000 kg</p> |

OPERATION

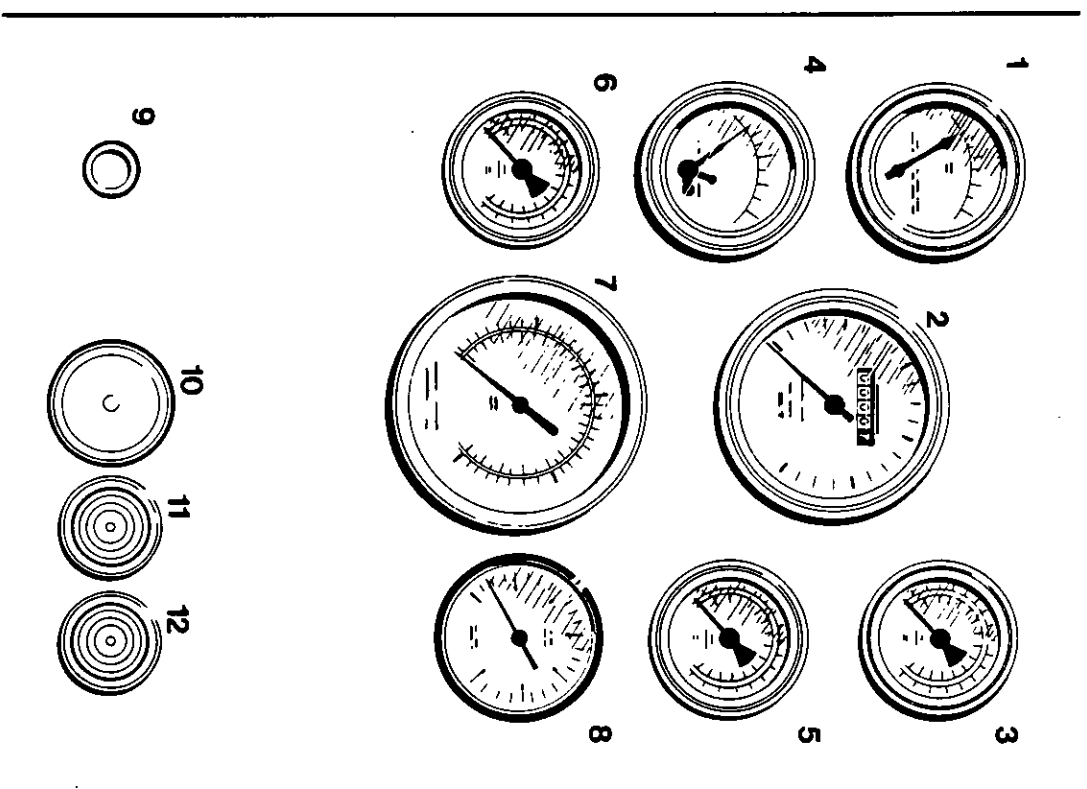
FONCTIONNEMENT

BEDIENUNG

NORME PER L'USO

FUNCIONAMIENTO

الاستعمال



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2.0

INGERSOLL-RAND

1. **Engine Water Temperature Gauge.**  
Maximum temperature 100 deg. C.
2. **Engine R.P.M. and Hours Counter.**  
Measures engine speed and the number of hours the machine has been operating. This gauge should be used to give service intervals
3. **Engine Oil Pressure Gauge.**  
Depending on type of engine and efficiency of engine, this gauge should read approximately 60 p.s.i.
4. **Compressor Oil Temperature Gauge.**  
Maximum temperature 120 deg C.
5. **Air Start Pressure Gauge.**  
Measures air pressure in air start system. At 130 Lb. sq.in. will start the engine three times. A minimum of 50 lb. sq.in. is required to start the engine once.
6. **Safety System Pressure Gauge.**  
Should show a pressure of 80 p.s.i. plus.
7. **Air Discharge Pressure gauge**  
Shows air pressure available at service valve.
8. **Exhaust Temperature Gauge.**  
Measures temperature at surface of exhaust system, maximum 200 Deg C.

## OPERATION

## FONCTIONNEMENT

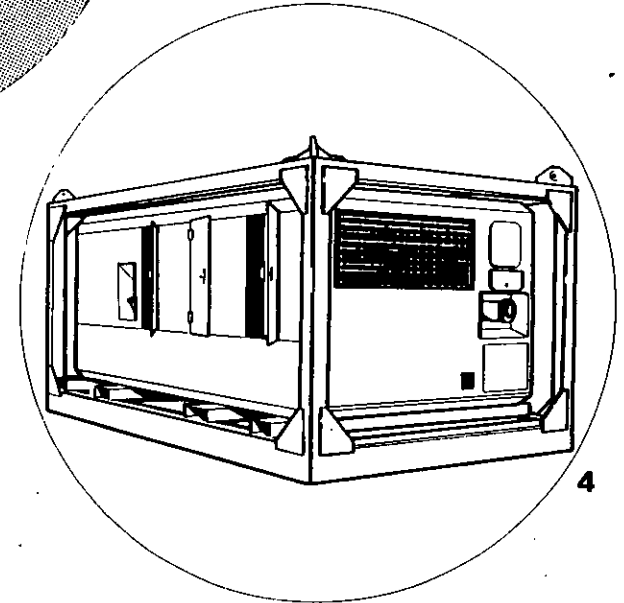
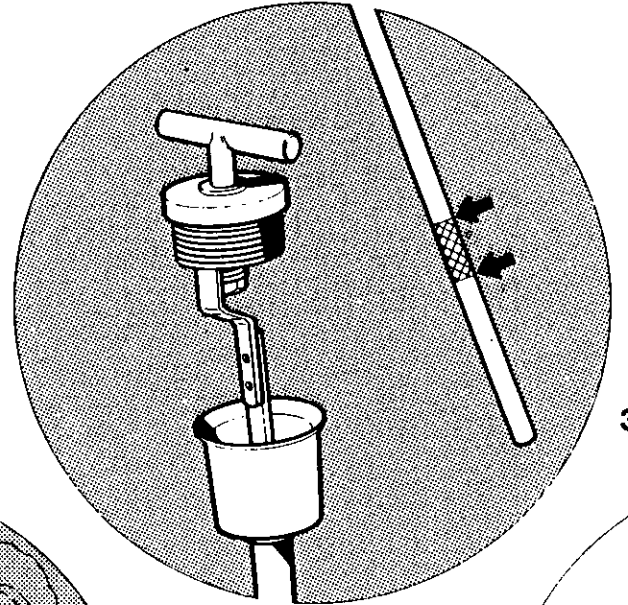
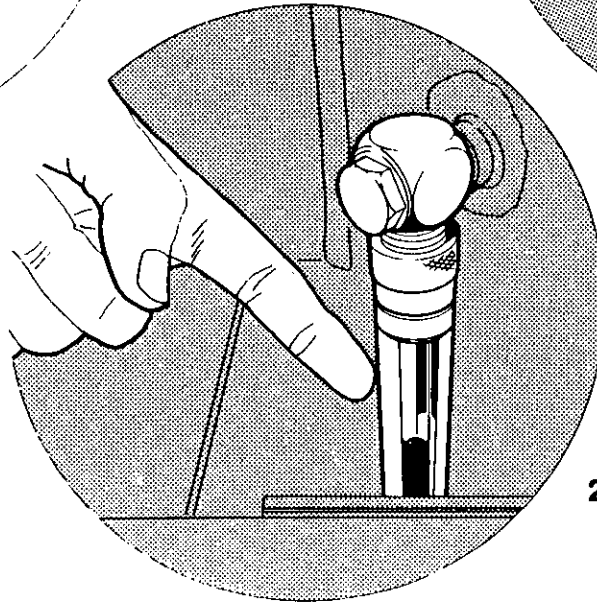
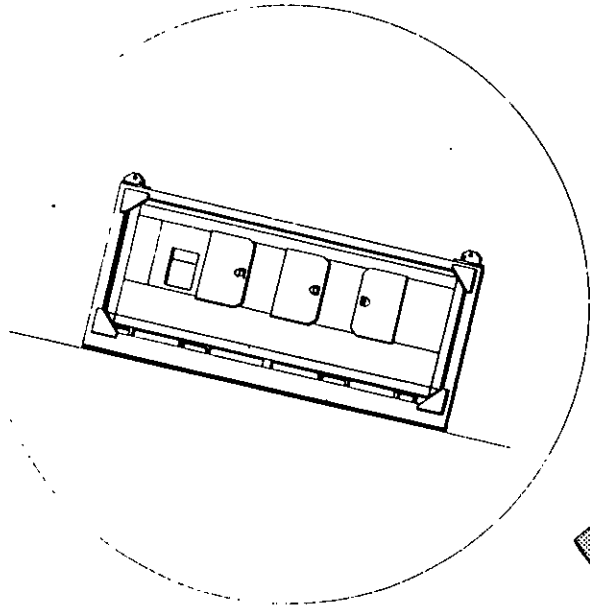
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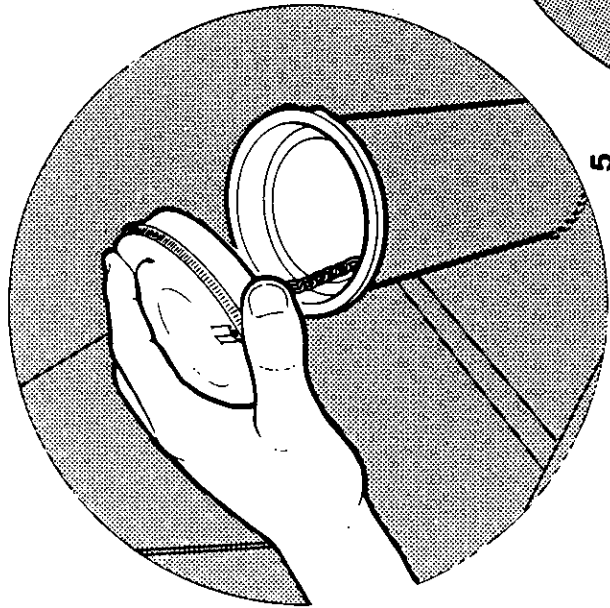
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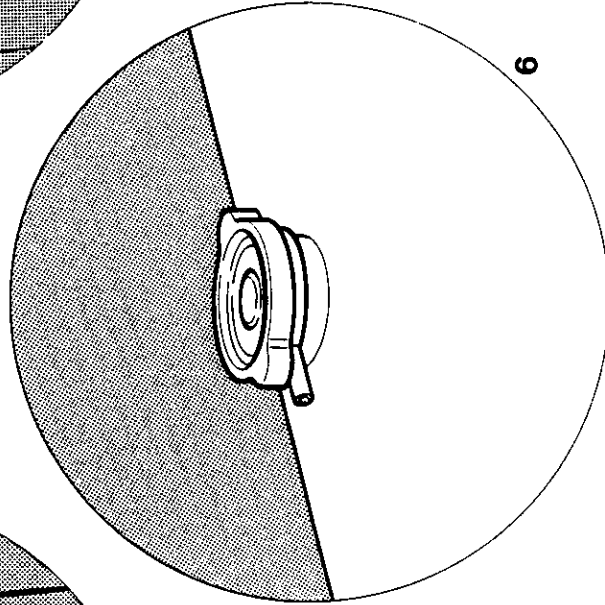
## التشغيل

9. **Push After Warm-up Button.**  
Refer to 'Starting'.
10. **Engine Start Button.**  
Refer to 'Starting'.
11. **Override Reset Button.**  
Re-charges pneumatic safety circuit after shutdown.
12. **Normal Stop Button.**  
Refer to 'Stopping'.





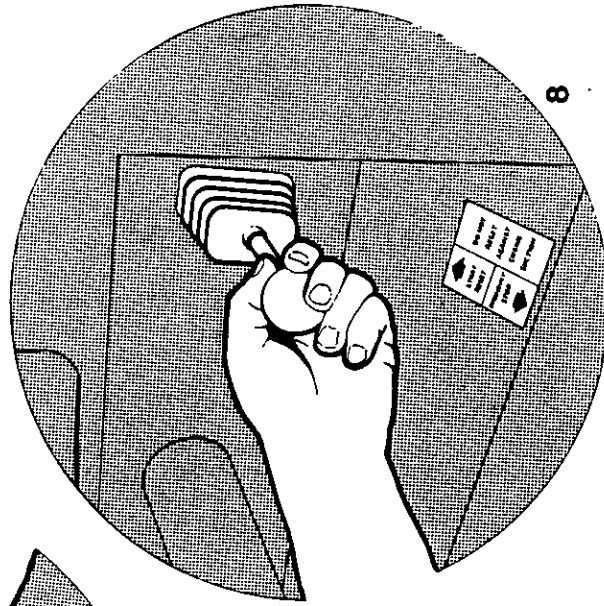
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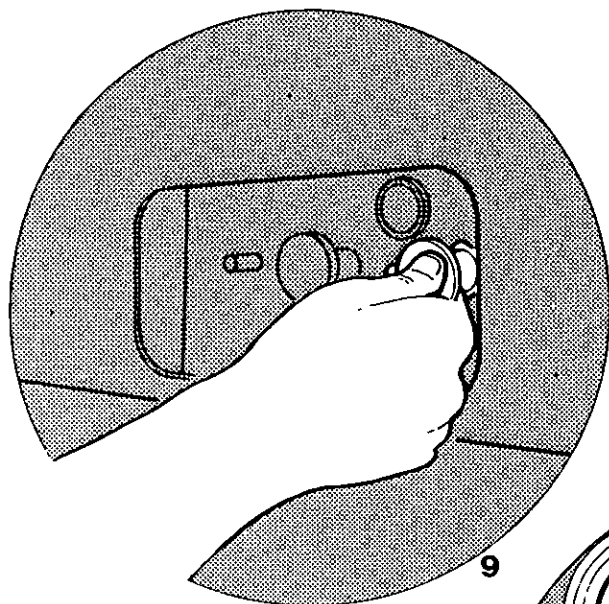
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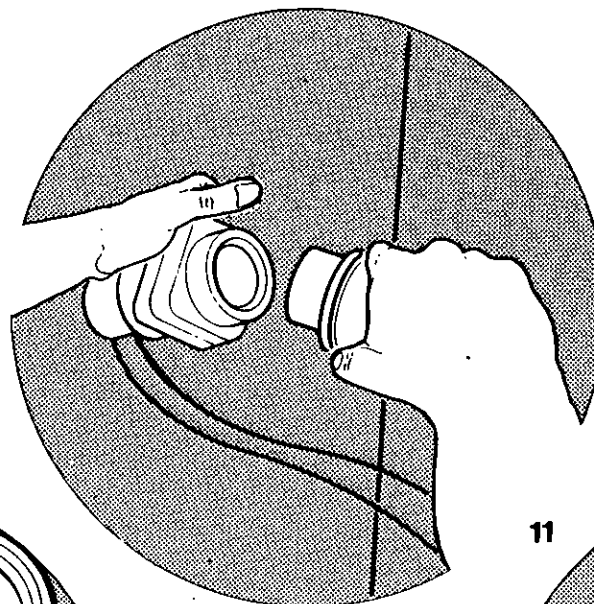
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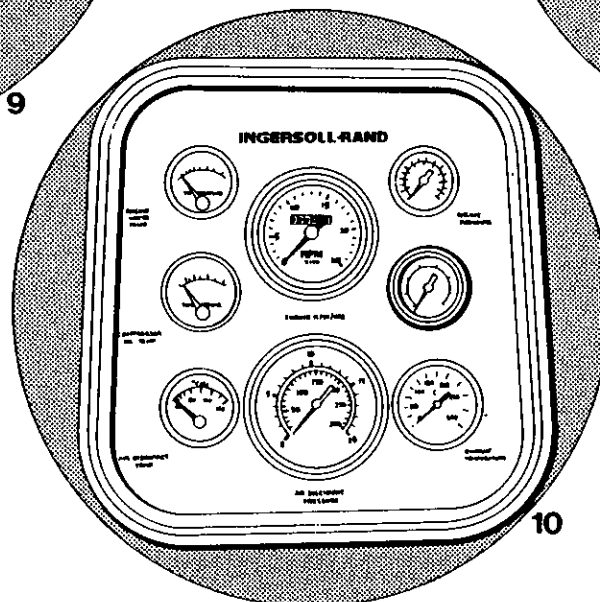
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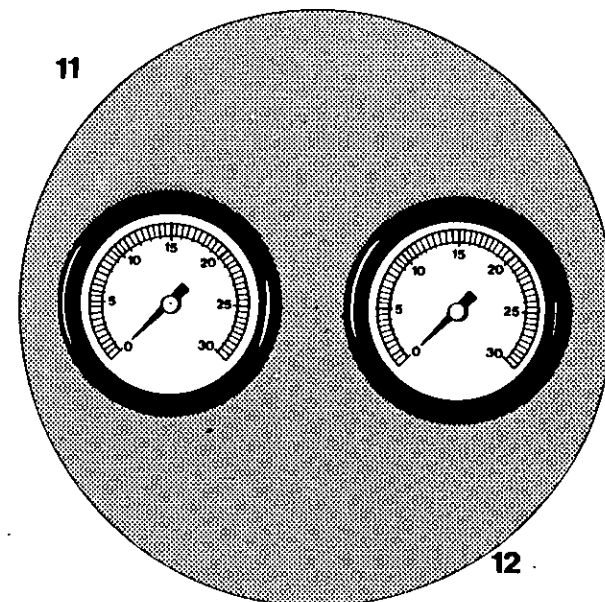
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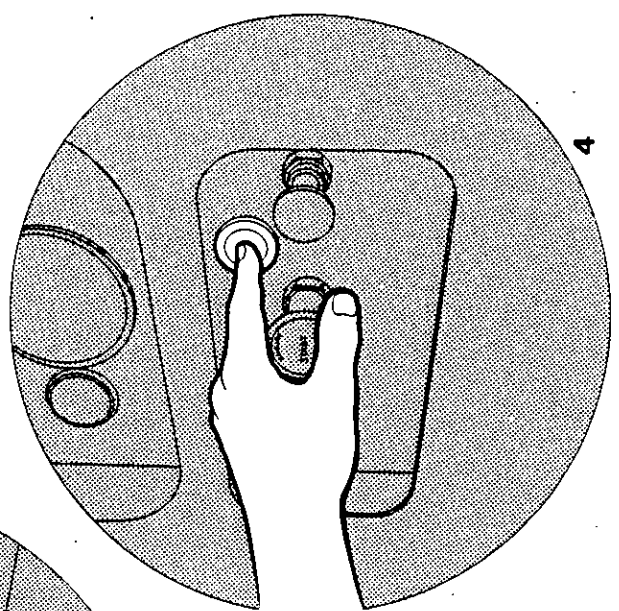
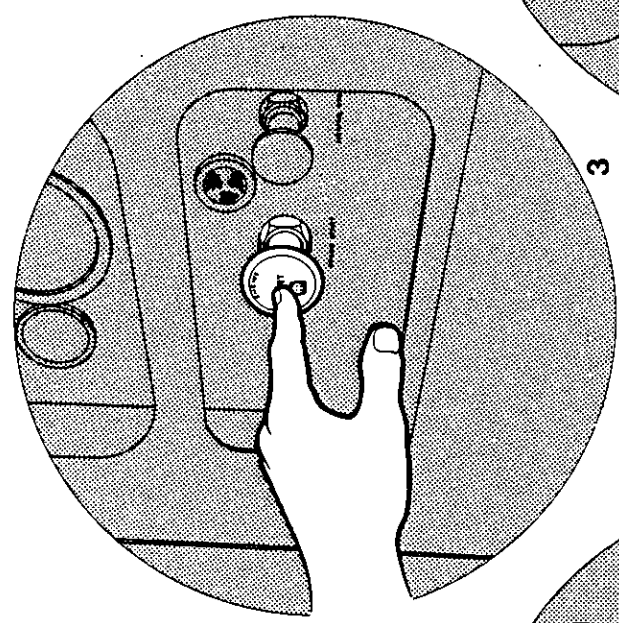
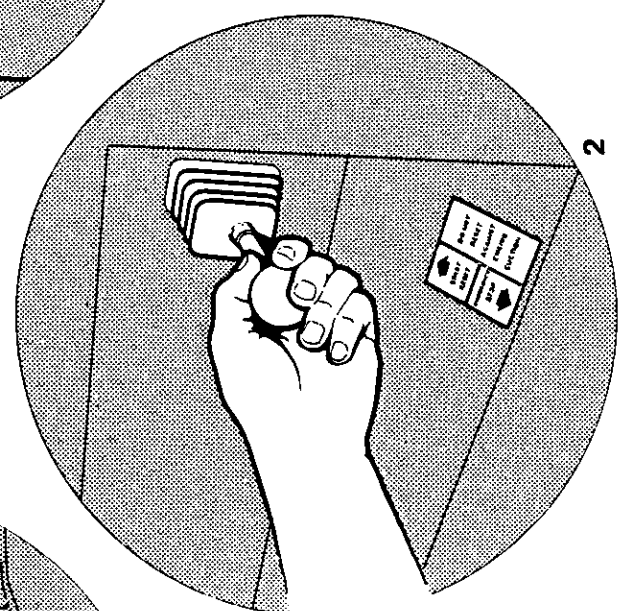
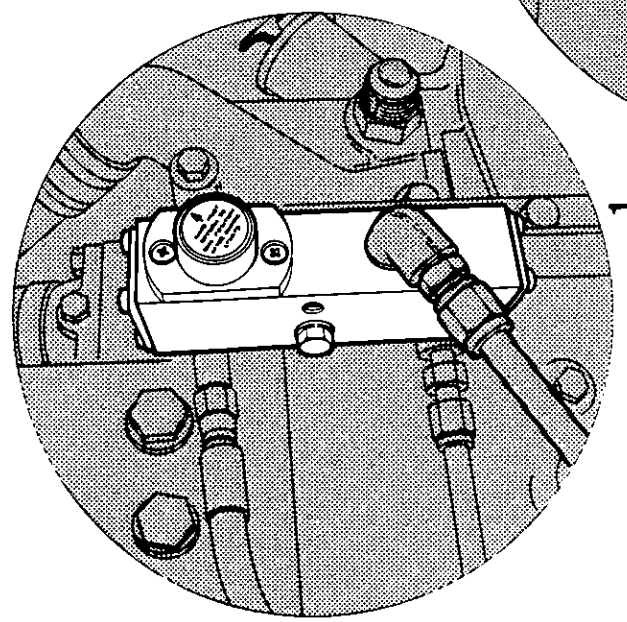
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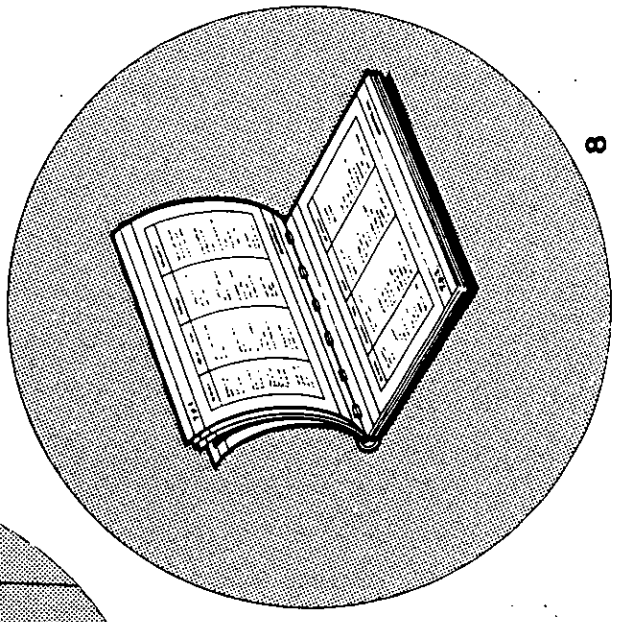
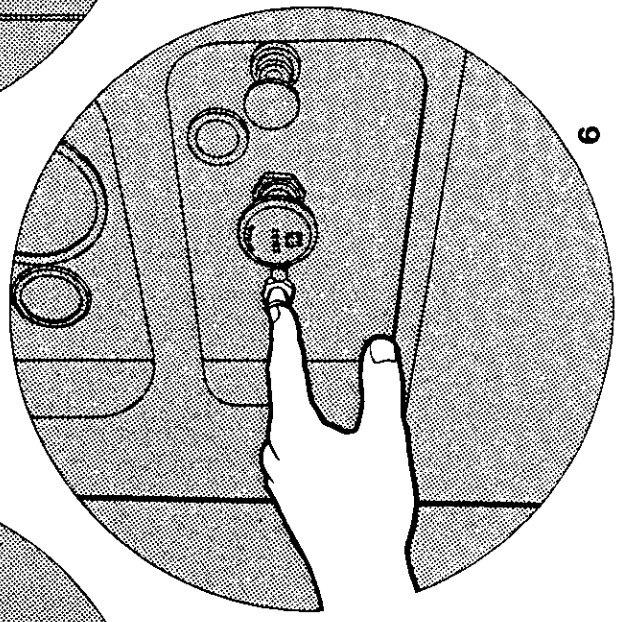
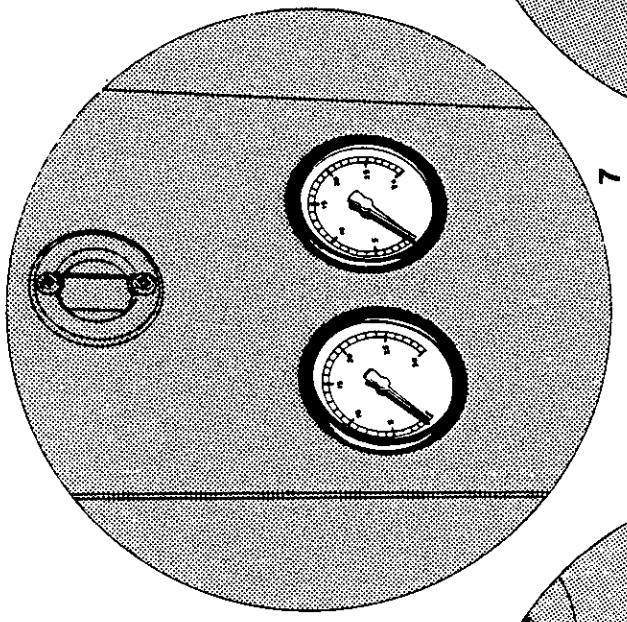
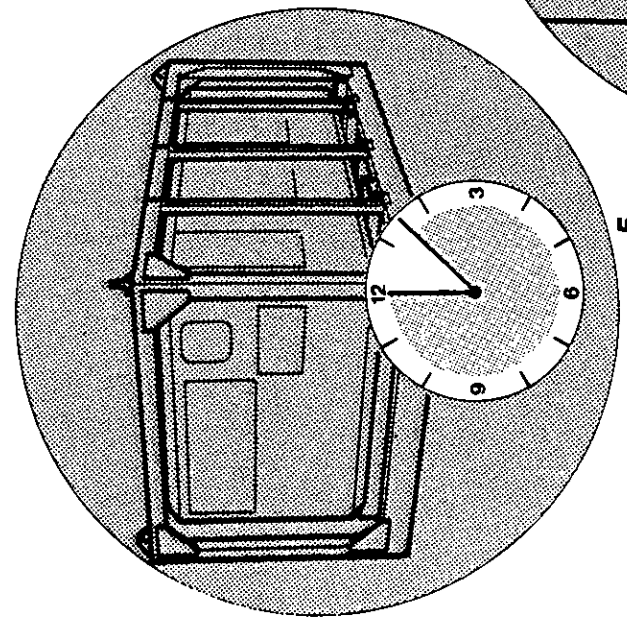


**BEFORE STARTING**

1. Place the unit in a level position.
2. Check the compressor oil level in the sight glass situated on the side of the receiver/separator. Oil level should be between maximum and minimum marks.
3. Check engine oil level and add oil if necessary up to full mark on dipstick.
4. Check all doors are closed.
5. Check fuel level. If unit has stood for a period without running turn fuel valve to start position and pump fuel hand pump until pressure shows green on fuel pressure gauge.
6. Check radiator coolant level.
7. Close service valve.
8. Check that speed valve and vibration valve have been reset by pressing reset button on each valve.
9. Check the air-start receiver is charged.
10. Check that yellow alert power supply is connected.
11. Check all doors are closed.

12. Check tell tales are green -  
N.B. Engine oil pressure  
and water loss indicators  
may show red after normal  
stopping. If system is O.K.  
the indicators will go to  
green on start up.





**STARTING**

1. Turn knob on fuel valve to start position.
2. Lift the Start/Reset Emergency Stop Lever to the Start Reset position, and hold in position.
3. Press engine Start button. Release Start button when engine fires.
4. Press Reset green button and after 20 seconds release Start/Reset/Emergency Stop lever to central position
5. Allow machine to warm up for several minutes.
6. Press brass Start-Run button to engage regulation system.
7. When machine is running at full load check if air filter restriction gauges show less than 30", if not air filter element service is required.
8. If unit fails to run or shuts down refer to trouble shooting section of this manual.

**STOPPING**

1. Close service valve.
2. Allow machine to idle for several minutes.
3. Press normal Stop button.
4. Push horn stop button to silence shutdown warning horn.

**EMERGENCY STOP**

5. Move Start / Reset / Emergency Stop Lever down to stop position. N.B. Never use emergency stop level for normal stopping as this practice can lead to mechanical damage.

**WARNING**

If the engine safety system trips whilst the engine is being used in a hazardous area, indicated by a tell tale showing red/white do not attempt to restart until advice has been obtained from the safety officer or plant supervisor.

**NOTE**

To prevent condensation building up in fuel tank, refill the tank at the end of every shift.

**GENERAL**

The compressor is initially supplied with Ingersoll-Rand compressor lubricating oil sufficient for the first 500 hours of operation.

**Check the compressor and engine oil level before starting a new compressor.**

If for any reason the compressor oil has been drained, it must be refilled with clean new oil recommended by Ingersoll-Rand.

**CAUTION**

Some oil mixtures are incompatible and result in the formation of varnishes, shelsacs or lacquers which may be insoluble. Such deposits can cause serious damage. To avoid such problems always specify Ingersoll-Rand compressor lubricating oil (5 litre container CPN 92735109, 25 litre container CPN 92735117).

**ENGINE LUBRICATING OILS**

Normal lubricating oil for engine in SAE 10W 30 (MIL-L-2104C-CD).

**COMPRESSOR LUBRICATING  
AND COOLING OIL  
RECOMMENDATIONS**

Ingersoll-Rand compressor lubricating oil is recommended for use in I-R Portable Compressors, 5 litre container CPN 92735109, 25 litre container CPN 92735117.

This oil conforms to the specifications found in section a) of the following table. If alternate lubricants are used they too should conform to these specifications.

**CAUTION:** Care should be taken to ensure that all down-stream components will be compatible with synthetic lubricants.

**a) AMBIENT TEMPERATURE**

125 DEG. F (51.7 DEG. C)  
to  
- 10 DEG. F (-23.3 DEG. C)

**USE LUBRICANT:**

MIL-L-46152 - SAE 10W  
or  
MIL-L-2104B - SAE 10W  
or  
DEXRON or DEXRON II

**AUTOMATIC TRANS-  
MISSION FLUID****b) AMBIENT TEMPERATURE**

-10 DEG. F (-23.3 DEG. C)  
to  
-50 DEG. F (-45.6 DEG. C)

USE LUBRICANT  
\*\*MIL-L-23699B

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# MAINTENANCE

| SERVICE HOURS | INTERVAL PERIOD | DESCRIPTION                             | MAINTENANCE REQUIRED                                                                                  |
|---------------|-----------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------|
| 12            |                 | Exhaust flame arrestor                  | Clean element 4.5)                                                                                    |
|               | daily           | Check engine & air end lubricant level. | Clean dust collector boxes (P 4.6)                                                                    |
|               | daily           | Air filters                             | Refil to prevent condensation                                                                         |
| 50            | weekly          | Fuel tank                               | Visually Check tightness                                                                              |
| 50            | weekly          | Temperature probes                      | Check reset knob                                                                                      |
|               |                 | Fuel shut off valve                     | Replace after first 50 hours from new                                                                 |
| 100           | 2 weeks         | Compressor oil filter                   |                                                                                                       |
|               | month           | Shutdown valve and linkage              | Inspect, lubricate and shutdown test                                                                  |
|               |                 | Coolers                                 | Check for build up of foreign matter.<br>Clean if necessary by blowing out with air or pressure wash. |
|               |                 | Compressor oil filter                   | Replace after first 150 hours from new.                                                               |
| 500           | 6 months        | Compressor oil filter                   | Replace (P 4.2)                                                                                       |
| 500           | 6 months        | Compressor oil                          | Replace (P 4.1)                                                                                       |
| 500           | —               | Fan Belt                                | Engine                                                                                                |
| 500           | 6 months        | Hoses                                   | Inspect (P 4.13)                                                                                      |
| 1000          | 6 months        | Engine breather                         | Clean element                                                                                         |
| 1000          | 1 year          | Air filter elements                     | Replace                                                                                               |
|               | 2 years         | Heat exchanger                          | Clean interior                                                                                        |
|               | 2 years         | Spark arrestor                          | Clean interior                                                                                        |
| As required   |                 | Cooling system                          | Add antifreeze and inhibitor                                                                          |
|               |                 | Inlet flame trap                        | Clean element                                                                                         |

**COMPRESSOR OIL  
CHANGE**

Replace after 500 hours, or every six months of operation, whichever comes first.

**NOTE**

If compressor has been operated under adverse conditions, or has had long shutdown periods, an earlier oil change may be necessary as oil deteriorates with time as well as by operating conditions.

**WARNING**

**DO NOT** under any circumstances remove any drain plugs or open any drain valves from the compressor lubricating/cooling system without first checking all air pressure has been released, by checking discharge pressure gauge and by opening manual blowdown valve located on air regulation manifold behind air inlet filter.

**CHANGE PROCEDURE**

1. Remove plug from drain valve.
2. Open valve and drain into a suitable container.
3. When receiver separator tank, piping and oil cooler are completely drained, close the coolant drain valve.
4. Replace the plug into the drain valve.

5. Remove the oil filler plug situated on the side of the receiver/separator.

6. Re-fill the lubricating/cooling system until the oil level is between max. and min. marks on the oil level gauge.

7. See Section 2 Operation (Before Starting)

8. Start compressor (See Section 2 Operation)

9. Check for leaks.

#### **COMPRESSOR OIL FILTERS**

Replace after the first 50 hours, 150 hours and thereafter every 500 hours or every six months of operation, whichever comes first.

#### **CHANGE PROCEDURE**

1. Wipe off any external dirt from the filters to prevent any contamination from entering the lubricating/cooling system.

2. Turn the filters anti-clockwise and remove from housing.

3. Clean gasket seat on housing.

4. Install new Ingersoll-Rand replacement filters by offering up to the housing and turning clockwise until seal makes initial contact.

5. Tighten an additional 1/2 to 3/4 turns.

6. See Section 2 Operation  
(Before Starting)

7. Start compressor  
(See Section 2 Operation)

8. Check for leaks.

#### SCAVENGE TUBE

It is good preventative maintenance to check that the scavenge tube is clear of any obstructions each time the compressor lubricant is changed (a blocked scavenge will cause oil carryover).

#### COMPRESSOR OIL SEPARATOR ELEMENT

Normally the separator element will not require periodic replacement provided the air and oil filters are properly maintained.

#### ENGINE FILTERS

All must be serviced in accordance with the instructions found in the engine operator's manual.

#### AIR INTAKE VALVE

At 100 hours or 2 weeks operation (whichever comes first), inspect the valve linkage and control arm mechanism. Ensure that the roller on the trip lever is free to spin. Lubricate the valve spindle and all pivot points with thin oil.

Carry out an emergency stop test using the stop/reset lever by

hand or cable. Ensure that the valve moves freely, closes correctly and shuts down the engine.

If the operation of the valve appears satisfactory but the engine does not stop within a few seconds then the inlet system, including the manifold, should be checked for leaks. Any leaks should be suitably sealed.

#### **AIR INTAKE VALVE SETTING INSTRUCTIONS**

Slacken the adjuster until the trip lever spring is just loose. Tighten it nine complete turns, secure the locknut and wirelock the adjuster. Run the engine to maximum speed and check that there is no tendency for the SVD valve to vibrate excessively and shutdown.

When running the engine to check the operation of the valve, restrain the mechanism so that the valve is not allowed to fully close.

When testing shutdown, ensure that this is done at low speed and not more often than necessary.

#### **FLAME ARRESTOR**

Fit a clean element every 12 hours or more frequently if necessary. To remove the element, slacken all six captive bolts, draw two captive bolts

into loading bracket and half turn anti-clockwise to secure. Pivot flame trap element to approximately 45 deg. and remove. Clean by soaking in carbon removing solvent: e.g. Applied Chemicals 8-77, 8-38 or Castrol ICP 140 or similar.

**CAUTION**

Do not place a hot flame arrestor in the cleaning fluid.

**HEAT EXCHANGER**

On major overhaul, or in the event of shutdown due to excessive exhaust temperature not reconciled by other checks, clean the heat exchanger interior with a carbon solvent: e.g. Applied Chemicals 8-77, 8-38 or Castrol ICP 140.

Remove the heat exchanger from the machine, blank off the gas inlet ports, and with the outlet uppermost fill the casing with solvent and allow to soak for four hours. Empty and thoroughly hose out the interior. Remove all fluid from the heat exchanger, repeat if necessary. During this operation, **do not allow solvent into water passages.**

The heat exchanger gas ports should be blown out, refit the cooler and run the engine until warm. Top up the water system and check for leaks. A clean exhaust flame arrestor element must be fitted. It should be noted that after cleaning the heat exchanger, loose carbon particles may be released during the initial period, after which it is necessary to clean the exhaust flametrap.

**AIR FILTER ELEMENTS**

The air filters should be inspected and maintained daily.

Dust collector boxes should be cleaned daily; this will become more frequent in dusty operating conditions. Dust collector boxes must not be allowed to become more than half full.

It is recommended that air filter elements be replaced by new Ingersoll-Rand elements. However, if new elements are not at hand, the blocked elements may be cleaned and re-used. For cleaning, the following instructions must be adhered to:-

**NEVER REMOVE AND REPLACE ELEMENTS WHEN COMPRESSOR IS RUNNING**

**REMOVAL AND CLEANING**

1. Clean exterior of filter housing.
2. Remove end cap and empty dust collector box.
3. Unscrew hex.nut securing main element to housing.
4. Remove element.
5. Clean inside housing.
6. Clean element by directing a jet of dry compressed air at no more than 5 bar (73 P.S.I.) at an angle of 45 deg. to the

outside of element. Carefully blow any dust from each fold of the element.

**NEVER USE COMPRESSED AIR TO BLOW THROUGH THE ELEMENT MEDIA.**

7. Mark the number of services to the main element on the end of the safety element, which should be replaced at least every five (5) services of the main element.

8. Elements must not be cleaned and re-used.

**INSPECTION**

1. Check for cracks, holes or any other damage to the element by holding it up against a light or by passing a lamp inside.

2. Check the seal at the end of the cartridge and replace if any sign of damage is evident.

3. Renew, Safety element if inspection reveals damage to main element.

**REPLACEMENT**

1. Assemble the new or cleaned elements into the filter housing.

2. Ensure that the seal seats properly on the bottom of the housing.

3. Secure the element in housing by hand tightening the hex.nut.



4. Assemble the dust collector box parts ensuring they are correctly positioned with the lug interlocked with the slot in the cover rim.

5. Ensure that the arrow and 'top' marking on the collector box is correctly positioned.

6. Reset restriction indicator by depressing rubber diaphragm.

7. Before starting machine, check all clamps are tight.

#### AIR STARTER MOTOR

Normally the motor requires no maintenance except for topping up of the lubricator reservoir. But should the motor need to be removed for repairs the following points should be noted

1. When dis-assembling always mark adjacent parts on the motor housing cover, cylinder housing, gear case and drive housing so that these items can be located in the same position when the motor is re-assembled.

2. Do not dis-assemble the motor any further than necessary to replace a worn or damaged part.

3. Do not remove any part which is a press fit in or on a sub-assembly unless the removal of that part is necessary for replacement or repairs.

4. Always have a complete set of vanes, seals and O-rings on

hand before commencing any overhaul of a starter.

**Never re-use old seals or O-Rings.**

#### TESTING THE STARTER MOTOR

1. Turn the Drive Pinion by hand in the direction of starter rotation. The clutch should ratchet smoothly with a slight "clicking" action.

**NOTE:** Proper Starter rotation is indicated when facing the Drive Pinion. That is, a Starter having the letter "R" in the model number is designated as a right-hand rotation model, and the Drive Pinion will rotate clockwise when facing the Drive Pinion.

2. Turn the Drive Pinion in the opposite direction of the Starter rotation. The gearing and motor should rotate freely with no binding.

3. Attach an air hose to the "IN" port on the Drive Housing, and apply 50 psig (3.4 bar/345 kPa) air pressure. The Drive Pinion should move outward and air should escape from the "OUT" port.

4. Plug the "OUT" port and apply 150 psig (10.3 bar/1034 kPa) air pressure to the "IN" port. Check to make certain no air is escaping. Measure the distance from the face of the Drive Pinion farthest from the

mounting flange to the machined face of the mounting flange. It should be 2.75" (70.0 mm +/- 1.5 mm). With the air pressure on and the Drive Shaft extended, push the Drive Pinion toward the Drive Housing until the Pinion rotates slightly and comes to a solid stop. While holding the Drive Pinion against the stop, measure again the distance from the face of the Drive Pinion to the machined face of the mounting flange. The difference between the two measurements must be 0.47" (12.0 mm +/- 0.9 mm). Remove the pressure from the "IN" port and measure again the distance from the face of the Drive Pinion to the machined face of the mounting flange. It should be 1.82" (46.2 mm +/- 1.5 mm).

5. Attach a 3/8" (9 mm) air hose to the inlet of the motor and apply 90 psig (6.2 bar/620 kPa) air pressure. The Starter motor should run smoothly.

6. Plug the exhaust port and apply 30 psig (2.1 bar/207 kPa) air pressure to the Inlet of the motor. Immerse the Starter for thirty seconds in a non-flammable solvent. If the Starter is properly sealed, no bubbles will appear.

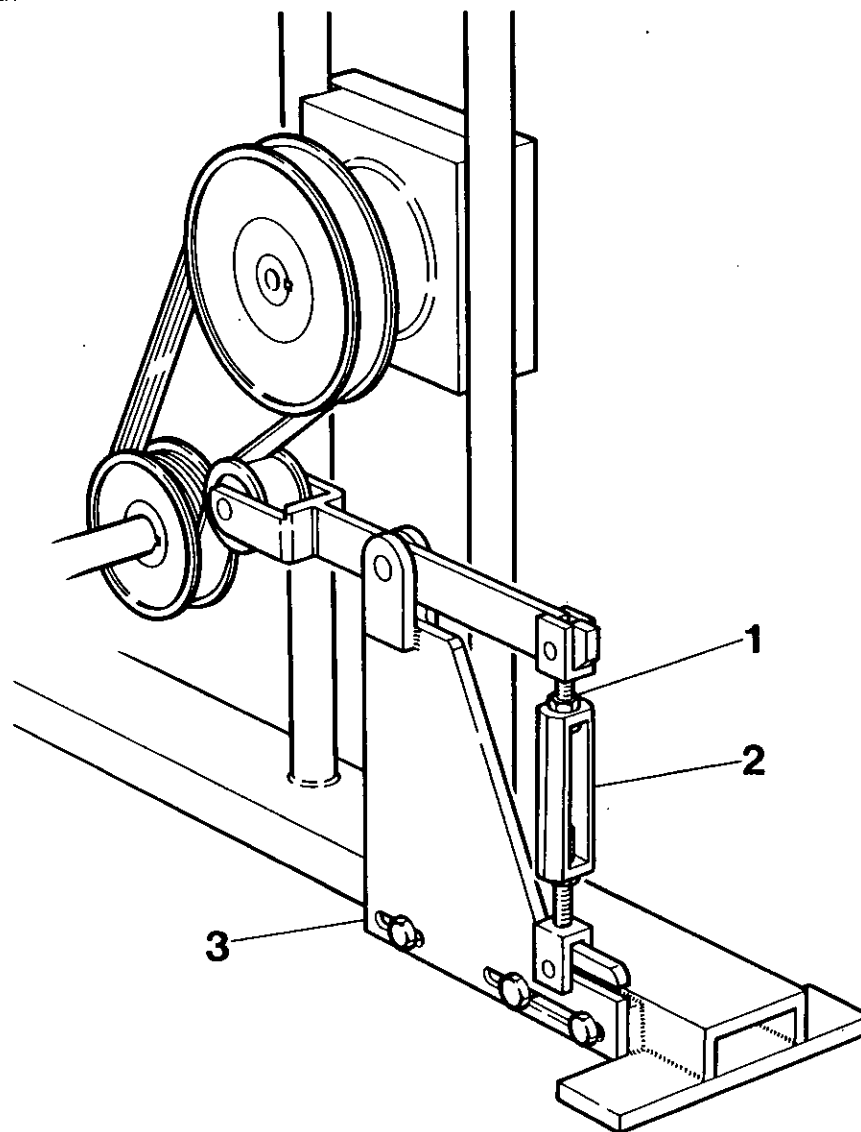
**RADIATOR AND OIL COOLER**

Each month it is recommended that the coolers be cleaned. When grease, oil and dirt accumulate on the cooling faces, the efficiency of the coolers becomes impaired.

To clean the oil cooler, direct a jet of compressed air, carrying a non-flammable safety cleaning solvent through the core of the oil cooler.

**HOSES**

At regular intervals, inspect all of the intake lines to and from the air cleaners, and all flexible hoses used for air lines, oil lines and fuel lines.



**FAN BELT TENSIONING**

The cooling fan is driven from the compressor male rotor by a poly-vee drive belt.

It is important that this belt is correctly tensioned preventing it from slipping. To adjust the tension of the belt, the following instructions must be adhered to:

A. Release turnbuckle locknut (1) and slacken turnbuckle body (2).

B. Slacken the four securing support plate (3).

C. Ensure support plate (3) is pushed fully forward towards the pulley.

D. Tighten screws to secure support (3).

E. Hand tighten turnbuckle body (2) and run machine. CORRECT BELT TENSION IS WHEN NO SLIPPAGE OCCURS ON CHANGE OF SPEED.

F. If belt squeals on change of speed or stopping of machine, increase the belt tension.

G. When correct tension is achieved, tighten turnbuckle locknuts (1).

PERIODICALLY CHECK TIGHTNESS OF ALL FAN MOUNTING BOLTS AND DRIVE PARTS. THE FAN MOUNTING NUT SHOULD BE TIGHTENED TO A TORQUE VALUE OF 260 LB.FT/80Nm.

**N.B.** Fan Drive Belt must be replaced after 500 hours to maintain anti-static properties.

SPEED AND PRESSURE  
REGULATOR ADJUSTING  
INSTRUCTIONS

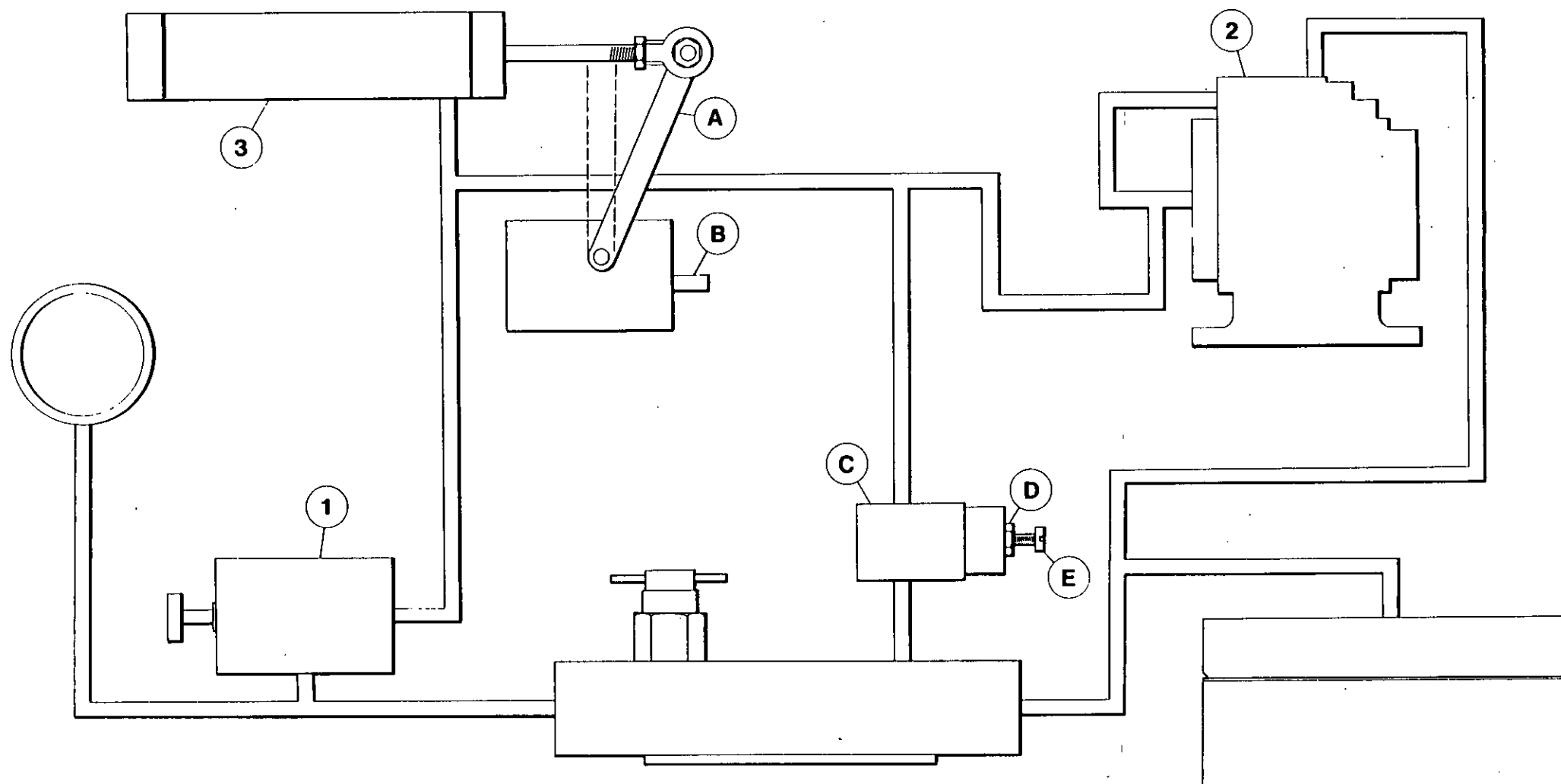
REGLAGE DU REGULATEUR  
DE VITESSE ET DE PRESSION

DRUCK- UND DREHZAHL-  
REGLER

ISTRUZIONI PER LA  
TARATURE E DEL  
REGOLATORE DE PRESSIONE  
E DI VELOCITA'

REGULACION DEL  
REGULADOR DE PRESION Y  
DE VELOCIDAD

تعليمات تعديل منظم  
الضغط والسرعة



**SPEED AND PRESSURE  
REGULATOR ADJUSTING  
INSTRUCTIONS**

**REGLAGE DU REGULATEUR  
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**تعليمات تعديل منظم  
الضغط والسرعة**

1 = 2-Way start/run valve.

2 = Inlet unloader

3 = Air cylinder (Speed  
regulator)

C = Pressure regulator

Normally regulation requires no  
adjusting, but if proper adjust-  
ment is lost, proceed as follows:

**Before starting engine :**

1. Inspect throttle arm 'A' on  
engine governor to see that it is  
resting against full speed stop  
'B'.

2. Loosen locknut 'D' on  
adjustment screw 'E' and turn  
anti-clockwise until no tension  
is felt. Now turn screw one full  
turn clockwise

**After starting engine :**

3. Allow unit to warm up  
then press start-run valve 1.

4. Open and adjust service  
valve on outside of machine to  
maintain rated discharge pressure  
on discharge gauge.

5. Ensuring that pressure is  
maintained as required discharge  
pressure, adjust regulator screw  
'E' until throttle arm 'A' just lifts  
off stop 'B'.



**SPEED AND PRESSURE  
REGULATOR ADJUSTING  
INSTRUCTIONS**

**REGLAGE DU REGULATEUR  
DE VITESSE ET DE PRESSION**

**DRUCK- UND DREHZAHL-  
REGLER**

**ISTRUZIONI PER LA  
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**REGULACION DEL  
REGULADOR DE PRESION Y  
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**تعليمات تعديل منظم  
الضغط والسرعة**

**NOTE** : Adjusting regulator  
screw clockwise will raise full  
speed pressure.

6. Close service valve. Engine  
will slow to idle speed 100 rpm.

**INGERSOLL-RAND**

## TROUBLE SHOOTING

| FAULT FINDING CHART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FAULT FINDING CHART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. Engine Will Not Crank</p> <ul style="list-style-type: none"> <li>a) Insufficient pressure in air start tank.</li> <li>c) Relay Valve siezed.</li> <li>b) Yellow alert not connected or faulty.</li> </ul> <p>2. Engine Will Not Start</p> <ul style="list-style-type: none"> <li>a) Low fuel level.</li> <li>b) Fuel system water trap full of water — drain off water and press button on top to return float.</li> <li>c) Reset on Overspeed and vibration valves not pressed.</li> <li>d) Fuel valve not reset, turn clockwise to start position.</li> <li>e) Normal stop button not pulled our or fuel pump lever stuck in stop position.</li> <li>f) Air entrapped in fuel system.</li> </ul> | <p>3. Engine Will Not Continue To Run After Pressing 'Reset' Button</p> <ul style="list-style-type: none"> <li>a) Safety system reset button not pressed for long enough to allow air pressure to build up Watch. safety system pressure gauge rising before releasing button.</li> <li>b) Air leak in safety system. See pneumatic diagram.</li> <li>c) Fault on machine indicated by tell-tales or faulty safety system valves.</li> </ul> <p>4. Unit Prematurely Shuts Down</p> <ul style="list-style-type: none"> <li>a) Fault on machine indicated by tell-tales.</li> <li>b) Loss of air in safety system — check for leaks.</li> <li>c) Fuel starvation — check water trap in fuel system, check fuel level.</li> </ul> |

## TROUBLE SHOOTING

| FAULT FINDING CHART                |                                                                                                                                                                                      | FAULT FINDING CHART                          |                                                                                                                                                                                                               |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5. Excessive Vibration             | <ul style="list-style-type: none"> <li>a) Engine idle speed too low. Should be 1000/1100 r.p.m.</li> <li>b) Mechanical fault, e.g. broken fan or coupling.</li> </ul>                | 8. Excessive Oil Carry Over in Discharge Air | <ul style="list-style-type: none"> <li>a) Blocked scavenge line. Check scavenge line and orifice.</li> <li>b) Punctured separator element.</li> </ul>                                                         |
| 6. Engine Stalls on Idle           | <ul style="list-style-type: none"> <li>a) Idle speed too low.</li> <li>b) Unloader not closing properly.</li> </ul>                                                                  | 9. Safety Valve Blows                        | <ul style="list-style-type: none"> <li>a) Operating pressure too high.</li> <li>b) Regulator out of adjustment.</li> <li>c) Faulty regulator valve.</li> </ul>                                                |
| 7. Air Discharge Capacity Too Low. | <ul style="list-style-type: none"> <li>a) Engine speed too low. Maximum 2100 r.p.m.</li> <li>b) Blocked air cleaner. Check gauge.</li> <li>c) High pressure air escaping.</li> </ul> | 10. Engine Speed Too Low                     | <ul style="list-style-type: none"> <li>a) Incorrect setting of throttle arm.</li> <li>b) Blocked fuel filter.</li> <li>c) Faulty regulator valve.</li> <li>d) Blocked silencer on regulator valve.</li> </ul> |

## AIR STARTER MOTOR TROUBLE SHOOTING GUIDE

| Trouble                                        | Probable Cause                           | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Loss of Power                                  | Worn Motor Parts                         | Remove the motor from the Motor Housing and disassemble the motor. Examine all parts and replace any that are worn or damaged. Use the following guidelines for determining unserviceable parts: <ol style="list-style-type: none"> <li><b>Vanes</b> — Install a set of new vanes if any vane is cracked, spalled or worn to the extent that its width is 0.67" (17 mm) or less at either end.</li> <li><b>Rotor Bearings</b> — Replace if any roughness or looseness is apparent.</li> <li><b>Rotor</b> — Replace if the body has deep scoring that cannot be removed by polishing with emery cloth.</li> <li><b>Cylinder Housing</b> — Replace if there are any cracks or deep scoring.</li> <li><b>End Plates</b> — Clean up scoring by rubbing it with emery cloth placed on a flat surface.</li> </ol> |
|                                                | Inadequate Lubrication                   | Check the lubricator, inlet hose, fitting and oil supply hose to make sure they are vacuum tight and free of leaks. Tighten all joints and replace the lubricator if necessary.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Air or Gas Leakage                             | Worn O-rings                             | Check the End Plate O-rings and Drive Housing O-ring plug the exhaust. Apply 30 psig (2.1 bar/207 kPa) air to the inlet and immerse the unit for 30 seconds in nonflammable solvent. If bubbles appear, replace the O-ring, Gaskets or seals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Pinion does not engage the flywheel            | Broken clutch jaws or other broken parts | <b>Disassembly of the Piston and Clutch</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Motor runs, pinion engages but does not rotate | Broken shafting, Gearing or Clutch Jaws  | <b>Disassembly of the Piston and Clutch</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Excessive butt engagements                     | Dry helical spline                       | <b>Disassembly of the Piston and Clutch.</b> Lubricate the helical spline with Ingersoll-Rand Grease No. 28.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|  |  |
|--|--|
|  |  |
|  |  |



| Item | Description                       |
|------|-----------------------------------|
| 1.   | Safety System Reset Button        |
| 2.   | Safety System Energizing Relay    |
| 3.   | Check Valve.                      |
| 4.   | Tell-Tale Indicator Relays.       |
| 5.   | Engine Vibration Sensor.          |
| 6.   | Engine Overspeed Sensor.          |
| 7.   | Engine Water Temp. Sensor.        |
| 8.   | Engine Exhaust Temp. Sensor       |
| 9.   | Engine Water Loss Sensor          |
| 10.  | Engine Oil Pressure Sensor        |
| 11.  | Compressor Discharge Temp. Sensor |
| 12.  | Fuel Shutoff Valve                |
| 13.  | Air Intake Shut-off Valve         |
| 14.  | "Yellow Alert" Solenoid Valve     |
| 15.  | "Yellow Alert" Shutdown Relay.    |
| 16.  | Filter Regulator.                 |
| 17.  | Starter Inhibitor Relay.          |
| 18.  | Starter Motor.                    |
| 19.  | Start System Air Reservoir.       |
| 20.  | Start Button.                     |
| 21.  | Start System Pressure Gauge.      |
| 22.  | Safety System Pressure Gauge.     |
| 23.  | Horn Isolate Button.              |
| 24.  | Horn Relay.                       |
| 25.  | Orifice (1 mm).                   |
| 26.  | Horn.                             |
| 27.  | "Yellow Alert" Electrical Socket. |
| 28.  | Ball Valve                        |
| 29.  | Filter                            |
| 30.  | Lubricator                        |
| 31.  | Relay Valve                       |
| 32.  | Cylinder                          |
| 33.  | Orifice                           |

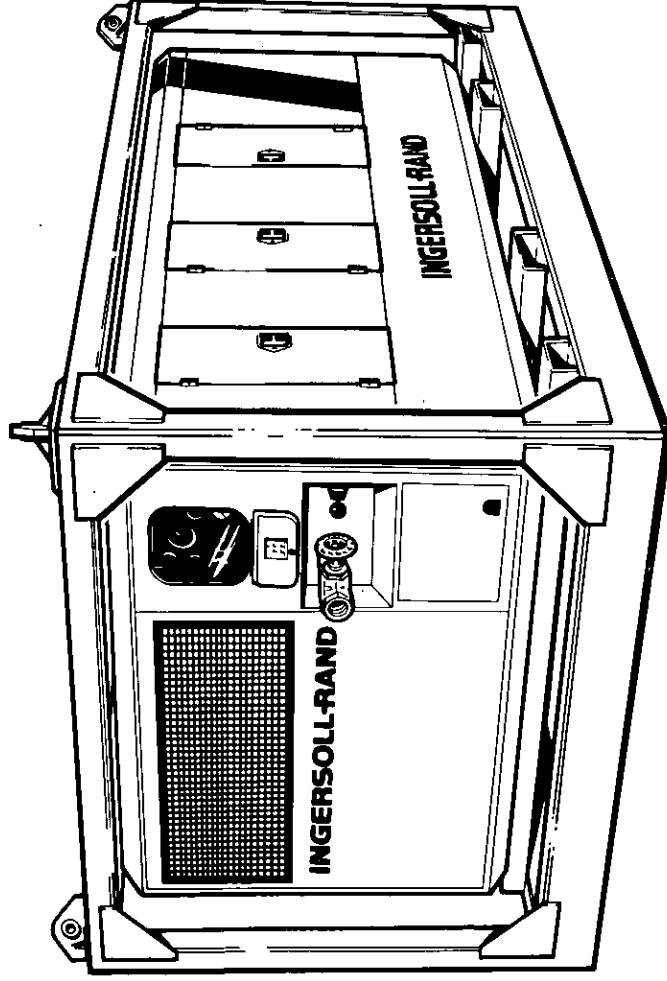


**TORQUE VALUE CHART**

| <b>FASTENING</b>          | <b>lb ft</b> | <b>Nm</b> |
|---------------------------|--------------|-----------|
| Drive Pins to Flywheel    | 340          | 500       |
| Element to A/E Hub        | 340          | 500       |
| Drive Ring to Flywheel    | 18           | 24        |
| A/End to Engine           | 20           | 27        |
| Rear Mtg. Brackets to Eng | 140          | 190       |
| Mtg. Bracket to A/End     | 140          | 190       |
| Resilient Mounts to Frame | 140          | 190       |
| Cylinder Brkt. to Engine  | 20           | 27        |
| Engine Exh. Manifold Conn | 20           | 27        |
| Autella Clamps            | 35           | 47        |
| Unloader Valve to A/E     | 140          | 190       |
| Oil Manifold to A/E       | 63           | 85        |
| Lift Bail to T/Frame      | 260          | 352       |
| Cover to Sep Tank         | 140          | 190       |
| Sep Tank to T/Frame       | 63           | 85        |
| Fan to Fan Hub            | 63           | 85        |
| Nut on Fan Shaft          | 260          | 352       |
| Taper Lock Bushes         | 35           | 47        |
| Disch Pipe to A/End       | 140          | 190       |
| Disch Pipe to Sep Tank    | 63           | 85        |
| Exh Pipe to Turbo         | 25           | 35        |
| Exh Pipe to Eng + Cooler  | 175          | 230       |

# INGERSOLL-RAND

## HP 750 O.S.A.



SPARE PARTS LIST

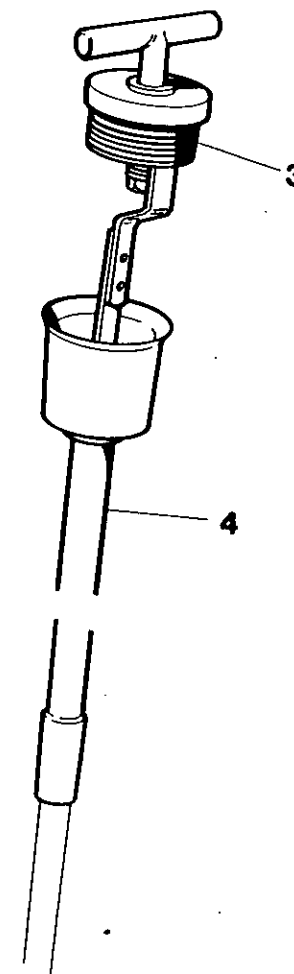
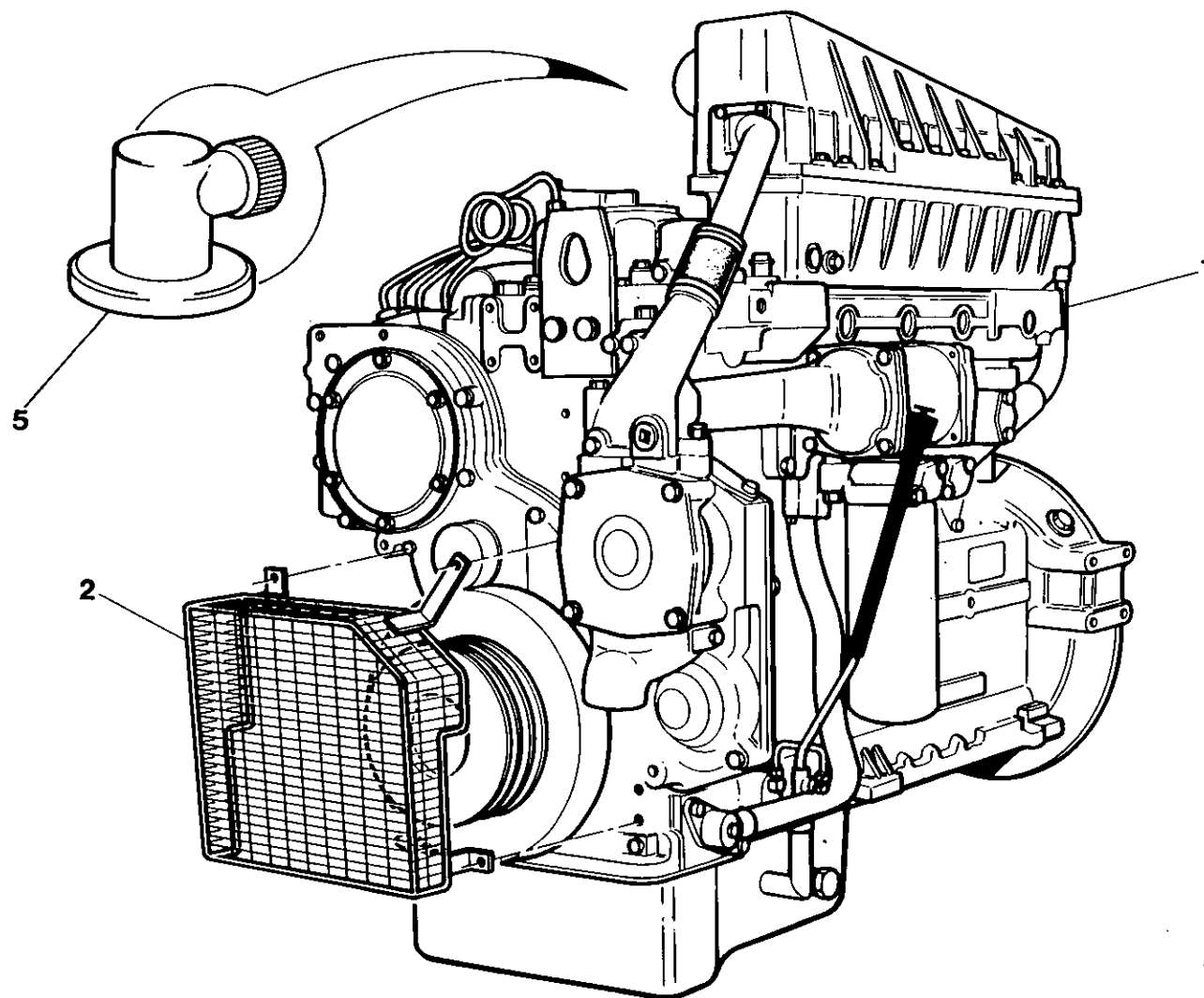
CATALOGUE PIECES DETACHEES

ERSATZTEILLISTE

LISTA DE REPUESTOS

LISTA RICAMBI

قائمة قطع الغيار



| Item | C.P.N. | Qty | DRIVERS | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير |
|------|--------|-----|---------|--------|---------|---------------|---------------|---------------|
|------|--------|-----|---------|--------|---------|---------------|---------------|---------------|

|   |          |   |                 |  |  |  |  |  |
|---|----------|---|-----------------|--|--|--|--|--|
| 1 | ++++++   | 1 | Engine          |  |  |  |  |  |
| 2 | 92540806 | 1 | Guard           |  |  |  |  |  |
| 3 | 92546399 | 1 | Dipstick        |  |  |  |  |  |
| 4 | 92661917 | 1 | Tube            |  |  |  |  |  |
| 5 | 92773209 | 1 | Breather Filter |  |  |  |  |  |

++++++ Items supplied by engine manufacturer

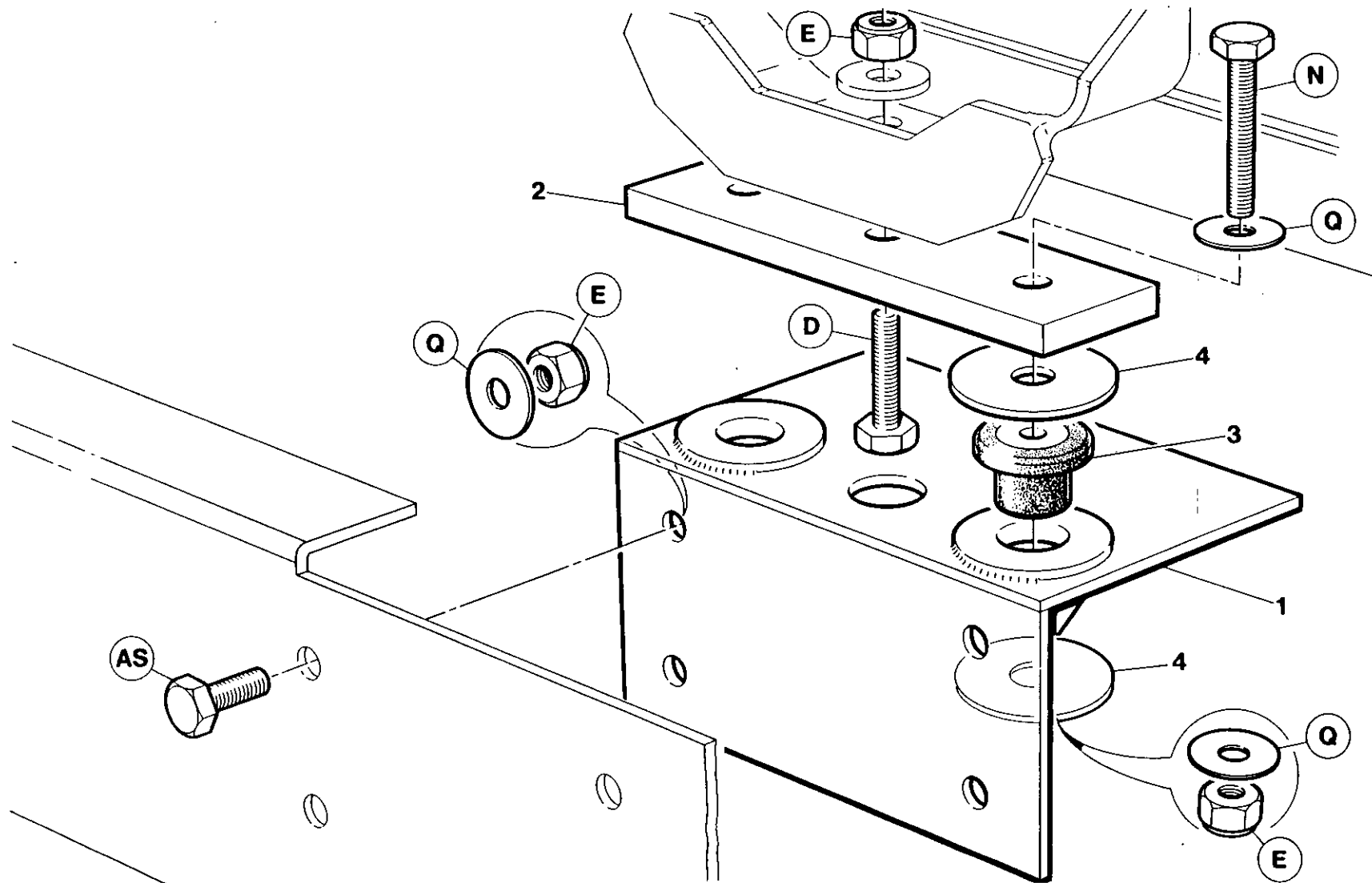
| Item                                                                                                       | C.P.N. | Qty | DRIVERS                                               | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير |
|------------------------------------------------------------------------------------------------------------|--------|-----|-------------------------------------------------------|--------|---------|---------------|---------------|---------------|
| Caterpillar 3306 Direct Injection Turbocharged and Jacket Water Aftercooled Diesel Engine Consisting of :- |        |     |                                                       |        |         |               |               |               |
| 7Z8602                                                                                                     |        | 1   | Basic engine arrangement<br>- breakdown as follows :- |        |         |               |               |               |
| CENTRAL STRUCTURE                                                                                          |        |     |                                                       |        |         |               |               |               |
| 8N5286                                                                                                     |        | 1   | Cylinder block group                                  |        |         |               |               |               |
| 7N1342                                                                                                     |        | 1   | Cover group                                           |        |         |               |               |               |
| 6N8079                                                                                                     |        | 1   | Crankshaft group                                      |        |         |               |               |               |
| 2P6224                                                                                                     |        | 1   | Crankshaft seal group                                 |        |         |               |               |               |
| 2W1177                                                                                                     |        | 1   | Rod and piston group                                  |        |         |               |               |               |
| 1N4406                                                                                                     |        | 1   | Single camshaft group                                 |        |         |               |               |               |
| REAR STRUCTURE                                                                                             |        |     |                                                       |        |         |               |               |               |
| 6N5233                                                                                                     |        | 1   | Flywheel housing group                                |        |         |               |               |               |
| 815077                                                                                                     |        | 1   | Flywheel Group                                        |        |         |               |               |               |
| LOWER STRUCTURE                                                                                            |        |     |                                                       |        |         |               |               |               |
| 3N2899                                                                                                     |        | 1   | Oil pan group                                         |        |         |               |               |               |
| 3N2898                                                                                                     |        | 1   | Oil level gauge group                                 |        |         |               |               |               |
| LUBE SYSTEM                                                                                                |        |     |                                                       |        |         |               |               |               |
| 2P1784                                                                                                     |        | 1   | Engine oil pump group                                 |        |         |               |               |               |
| 2P6105                                                                                                     |        | 1   | Engine oil lines group                                |        |         |               |               |               |
| 2P6855                                                                                                     |        | 1   | Oil filler group                                      |        |         |               |               |               |
| 1P4244                                                                                                     |        | 1   | Breather group                                        |        |         |               |               |               |
| COOLING SYSTEM                                                                                             |        |     |                                                       |        |         |               |               |               |
| 7N5909                                                                                                     |        | 1   | Water pump group                                      |        |         |               |               |               |
| 4W6157                                                                                                     |        | 1   | Water lines group                                     |        |         |               |               |               |
| 7W1324                                                                                                     |        | 1   | Filter base cooler group                              |        |         |               |               |               |
| 6N8492                                                                                                     |        | 1   | Water lines group (aftercooler)                       |        |         |               |               |               |
| INTAKE & EXHAUST SYSTEM                                                                                    |        |     |                                                       |        |         |               |               |               |
| 1W8483                                                                                                     |        | 1   | Exhaust manifold group                                |        |         |               |               |               |
| 2W1576                                                                                                     |        | 1   | Turbocharger group                                    |        |         |               |               |               |
| 6N9317                                                                                                     |        | 1   | Air lines group                                       |        |         |               |               |               |
| 6N5960                                                                                                     |        | 1   | Water aftercooler group                               |        |         |               |               |               |
| 4W6957                                                                                                     |        | 1   | Turbo oil lines group                                 |        |         |               |               |               |

| Item                                  | C.P.N. | Qty | DRIVERS                                | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير |
|---------------------------------------|--------|-----|----------------------------------------|--------|---------|---------------|---------------|---------------|
| <b>UPPER STRUCTURE</b>                |        |     |                                        |        |         |               |               |               |
| 8N0246                                |        | 1   | Cylinder head group                    |        |         |               |               |               |
| 7N9536                                |        | 1   | (Cylinder head) fastener group         |        |         |               |               |               |
| 7N8026                                |        | 1   | Valve mechanism group                  |        |         |               |               |               |
| 8N3286                                |        | 1   | Engine lifting group                   |        |         |               |               |               |
| 8N4745                                |        | 1   | Cover group                            |        |         |               |               |               |
| <b>FRONT STRUCTURE</b>                |        |     |                                        |        |         |               |               |               |
| 8N0303                                |        | 1   | Front housing group                    |        |         |               |               |               |
| 2P6528                                |        | 1   | Front housing cover group *            |        |         |               |               |               |
| 1W3802                                |        | 1   | Front housing fastener group           |        |         |               |               |               |
| 1W4563                                |        | 1   | Front gear group *                     |        |         |               |               |               |
| 7N0744                                |        | 1   | Engine support group                   |        |         |               |               |               |
| 1W4410                                |        | 1   | Damper group                           |        |         |               |               |               |
| 3N2884                                |        | 1   | Crankshaft pulley group                |        |         |               |               |               |
| 3N2886                                |        | 1   | Seal adaptor group                     |        |         |               |               |               |
| * SEE TACHO DRIVE CUSTOMISING SECTION |        |     |                                        |        |         |               |               |               |
| <b>FUEL SYSTEM</b>                    |        |     |                                        |        |         |               |               |               |
| 2W1011                                |        | 1   | Secondary filter group                 |        |         |               |               |               |
| 2W1508                                |        | 1   | Fuel injection lines group             |        |         |               |               |               |
| 2W1605                                |        | 1   | Drain lines group                      |        |         |               |               |               |
| 4W1876                                |        | 1   | Fuel priming pump group                |        |         |               |               |               |
| 2W6275                                |        | 1   | Governor and fuel injection pump group |        |         |               |               |               |
| 2W4160                                |        | 1   | Fuel transfer and mounting group       |        |         |               |               |               |
| <b>MISCELLANEOUS</b>                  |        |     |                                        |        |         |               |               |               |
| 8N9033                                |        | 1   | Coolant outlet plug                    |        |         |               |               |               |
| <b>CUSTOMIZING</b>                    |        |     |                                        |        |         |               |               |               |
| 3N3392                                |        | 1   | Fumes disposal group                   |        |         |               |               |               |
| 2W0693                                |        | 1   | Service meter group                    |        |         |               |               |               |
| 2W1299                                |        | 1   | Regulator housing group                |        |         |               |               |               |
| 1W8497                                |        | 1   | Water lines group                      |        |         |               |               |               |
| 1W6401                                |        | 1   | Fuel gauge group                       |        |         |               |               |               |
| 6N6093                                |        | 1   | Exhaust elbow group                    |        |         |               |               |               |
| 8N1963                                |        | 1   | Front fastener                         |        |         |               |               |               |

| Item              | C.P.N. | Qty | DRIVERS                                                                                               | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير |
|-------------------|--------|-----|-------------------------------------------------------------------------------------------------------|--------|---------|---------------|---------------|---------------|
| 1W5374            |        | 1   | Fuel priming pump group                                                                               |        |         |               |               |               |
| 2W7699            |        | 1   | Manual shut off                                                                                       |        |         |               |               |               |
| 1W6901            |        | 1   | Fuel air ratio control                                                                                |        |         |               |               |               |
| Leverton          |        | 1   | Front tachometer drive arrangement as shown on Leverton G.A. No. B40716. Consisting of :-             |        |         |               |               |               |
| 1W2316            |        | 1   | Adaptor assembly                                                                                      |        |         |               |               |               |
| OS1615            |        | 3   | Bolt                                                                                                  |        |         |               |               |               |
| 9S211             |        | 3   | Clamp                                                                                                 |        |         |               |               |               |
| 4N538             |        | 1   | Coupling                                                                                              |        |         |               |               |               |
| EN1417            |        | 1   | Modified bolt to Drg. No. D70331 Bolt Part No. (Cat) 7N2602 (Part of 1W4563 front timing gear group). |        |         |               |               |               |
| EN1614            |        | 1   | Drive tang to Drg. No D70330                                                                          |        |         |               |               |               |
| EN1029            |        | 1   | Adaptor to Drg. No. B40715 welded to 2P8701 cover (part of 2P6528 front housing cover group)          |        |         |               |               |               |
| <b>LITERATURE</b> |        |     |                                                                                                       |        |         |               |               |               |
| B40716            |        | 1   | G.A. front tacho drive for 3304 and 3306 engines.                                                     |        |         |               |               |               |
| B40715            |        | 1   | Adaptor and assembly to cover d drawing                                                               |        |         |               |               |               |
| D70330            |        | 1   | Drive tang drawing                                                                                    |        |         |               |               |               |
| D70331            |        | 1   | Bolt modification drawing above drawing available on request.                                         |        |         |               |               |               |
| HEBP1451          |        | 1   | Engine parts book . . . . Supplied with each engine                                                   |        |         |               |               |               |
| SEBU5779          |        | 1   | Operation guide                                                                                       |        |         |               |               |               |

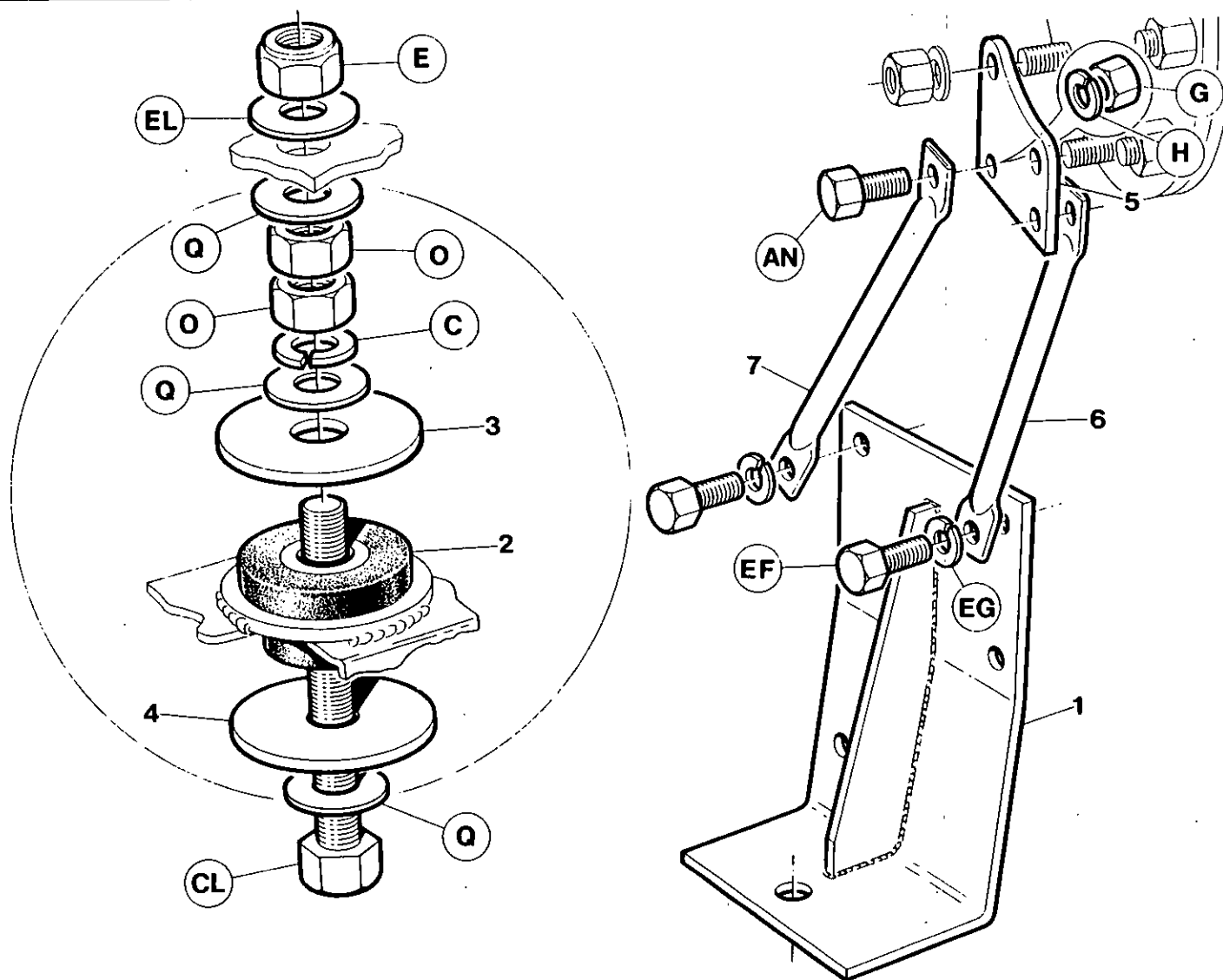






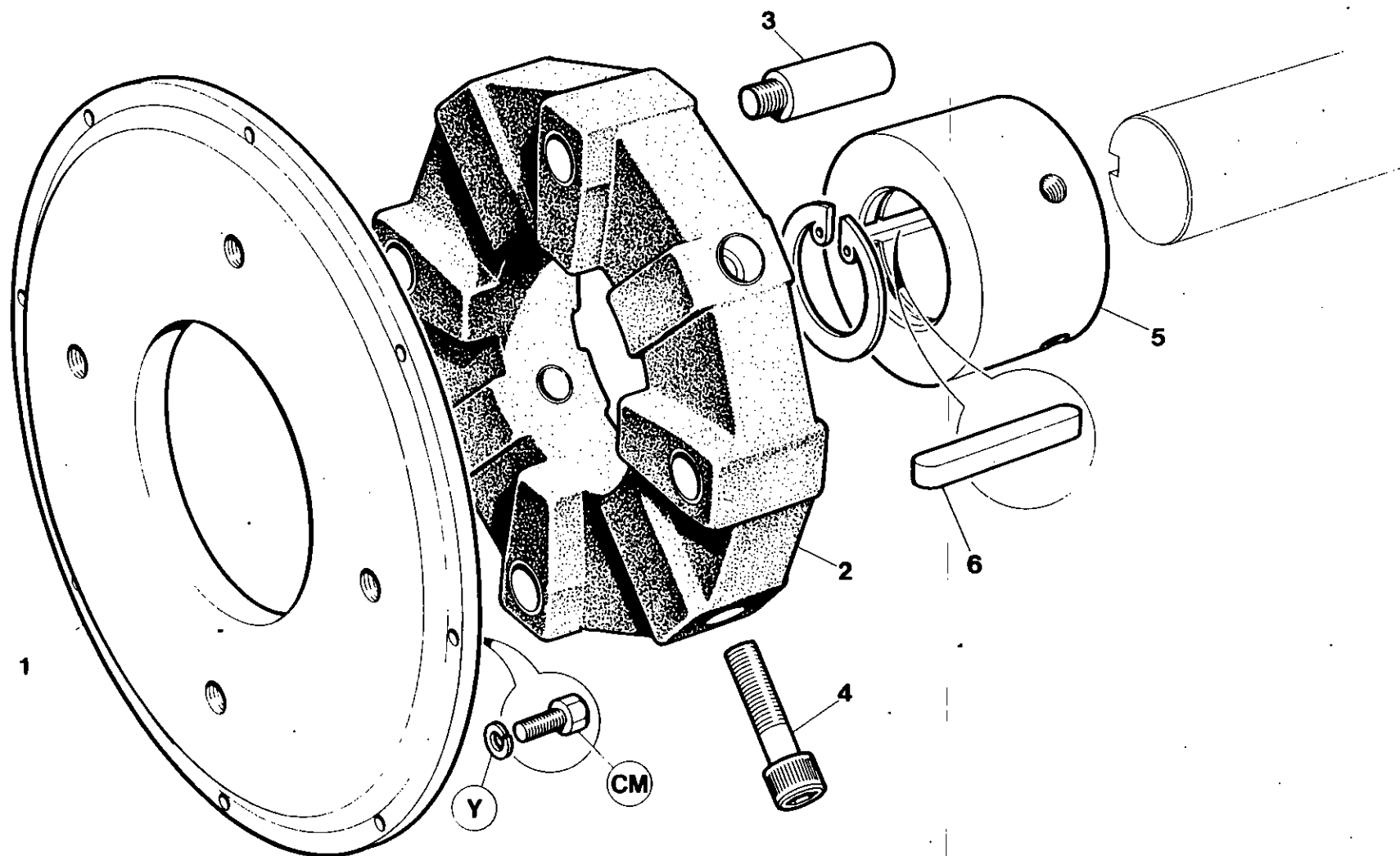
| Item | C.P.N. | Qty | DRIVERS | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير : |
|------|--------|-----|---------|--------|---------|---------------|---------------|-----------------|
|------|--------|-----|---------|--------|---------|---------------|---------------|-----------------|

|   |          |   |                |  |  |  |  |  |
|---|----------|---|----------------|--|--|--|--|--|
| 1 | 92517713 | 1 | Front Bracket  |  |  |  |  |  |
| 2 | 92519917 | 1 | Mounting Bar   |  |  |  |  |  |
| 3 | 92062157 | 2 | Mount          |  |  |  |  |  |
| 4 | 35273937 | 4 | Snubber Washer |  |  |  |  |  |

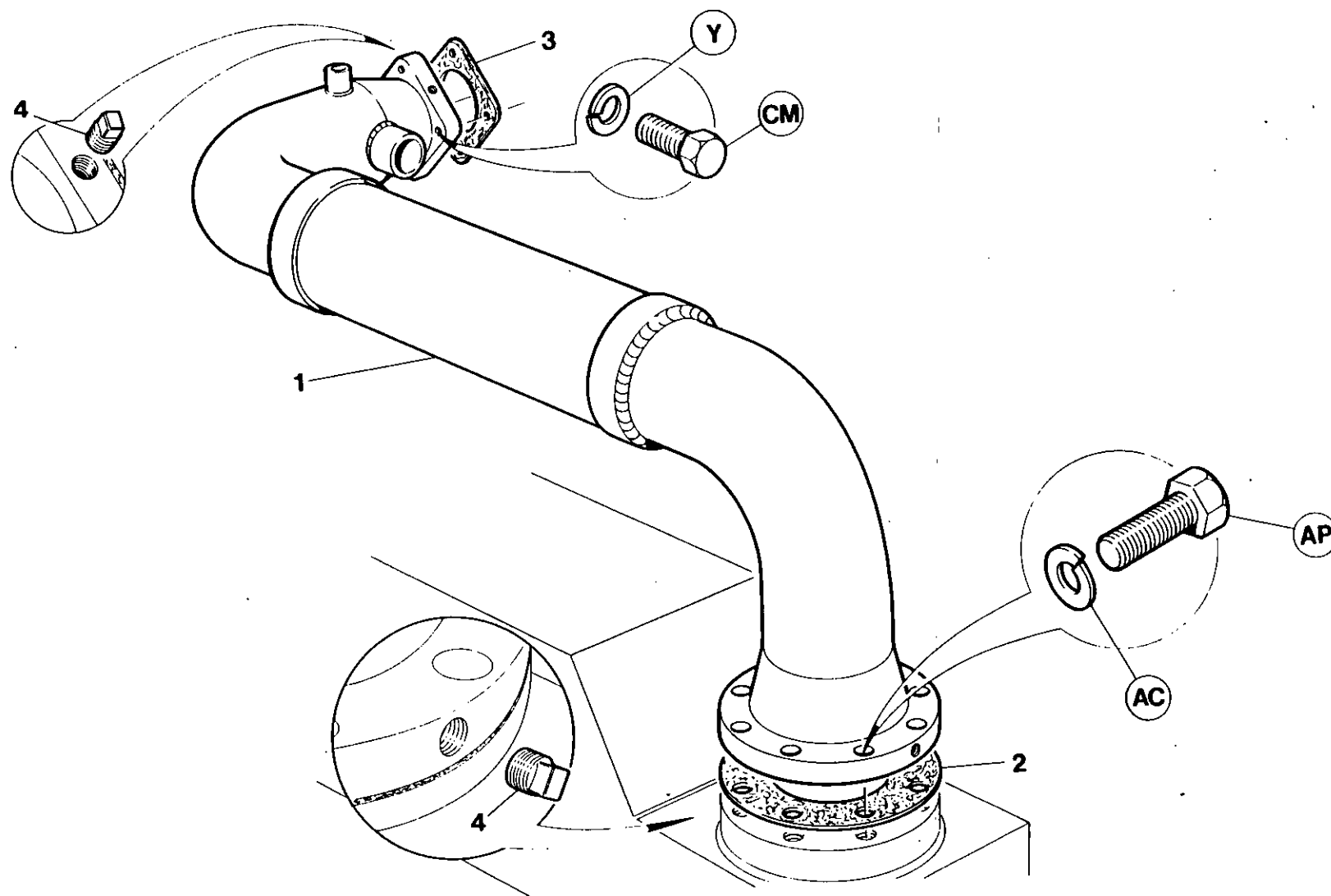


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| Item | C.P.N.   | Qty | DRIVERS        | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير : |
|------|----------|-----|----------------|--------|---------|---------------|---------------|-----------------|
| 1    | 92028372 | 2   | Mount          |        |         |               |               |                 |
| 2    | 92062157 | 2   | Mount          |        |         |               |               |                 |
| 3    | 35273937 | 2   | Snubber Washer |        |         |               |               |                 |
| 4    | 35101468 | 2   | Snubber Washer |        |         |               |               |                 |
| 5    | 92549187 | 1   | Support Plate  |        |         |               |               |                 |
| 6    | 92549286 | 1   | Strut          |        |         |               |               |                 |
| 7    | 92549294 | 1   | Strut          |        |         |               |               |                 |

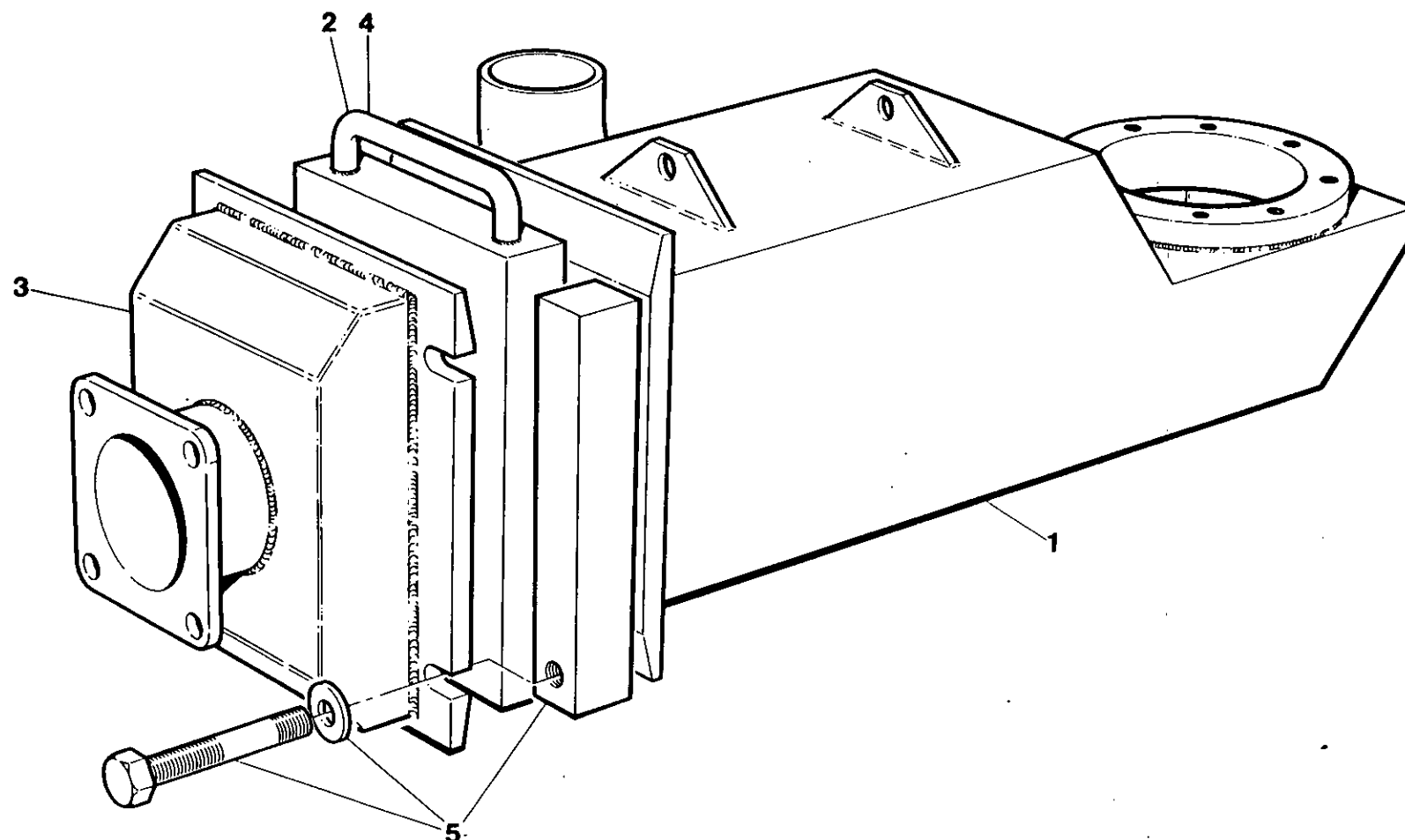


| Item  | C.P.N.   | Qty | DRIVERS       | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير : |
|-------|----------|-----|---------------|--------|---------|---------------|---------------|-----------------|
| (1-5) | 92066208 | 1   | Coupling Assy |        |         |               |               |                 |
| 1     | 92034438 | 1   | Drive Plate   |        |         |               |               |                 |
| (2-5) | 92677715 | 1   | Element Assy  |        |         |               |               |                 |
| 2     | 92041441 | 1   | Element       |        |         |               |               |                 |
| 3     | 92041458 | 4   | Bolt          |        |         |               |               |                 |
| 4     | 92041466 | 4   | Bolt          |        |         |               |               |                 |
| 5     | 92034446 | 1   | Hub           |        |         |               |               |                 |
| 6     | 95264560 | 1   | Key           |        |         |               |               |                 |

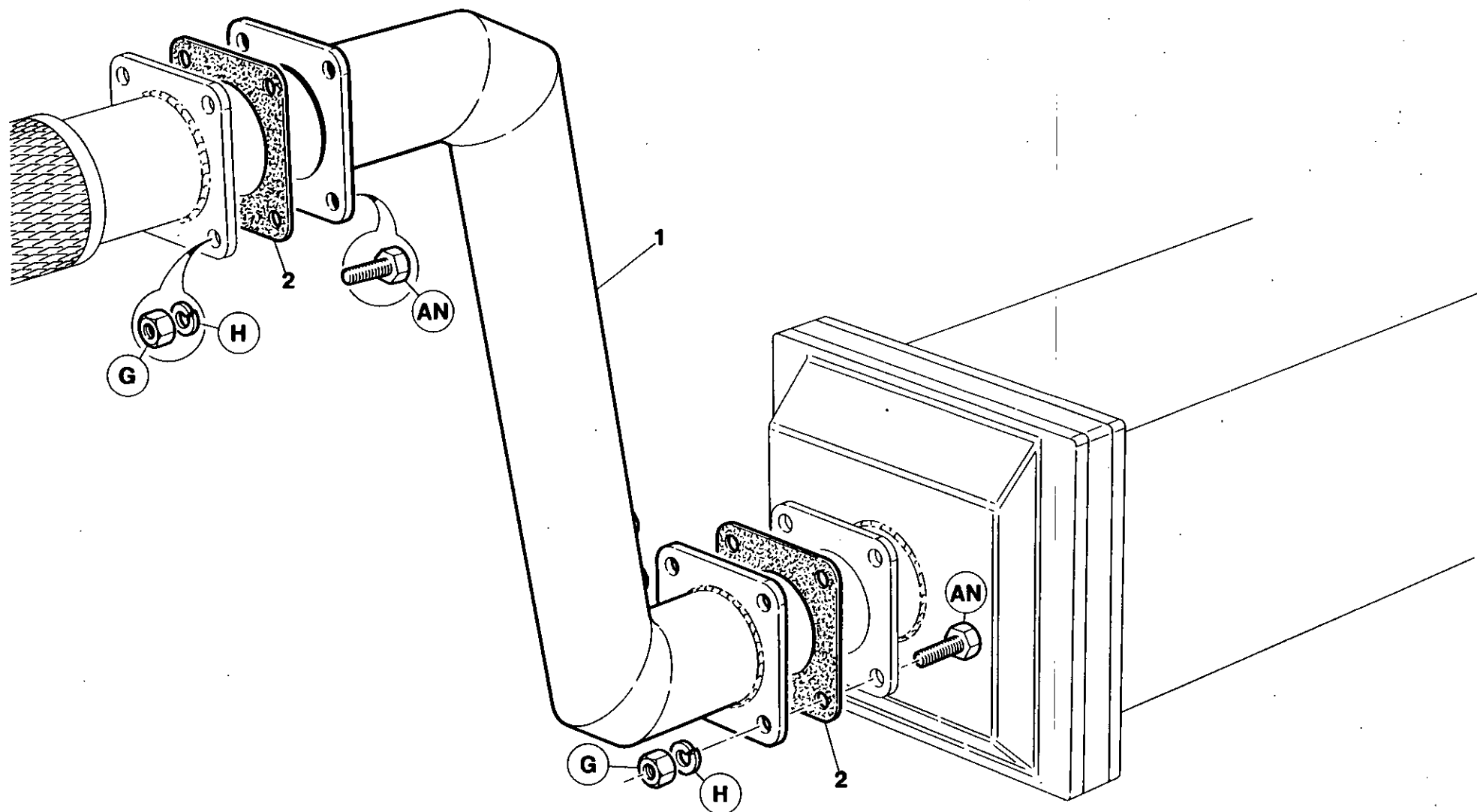


| Item | C.P.N.   | Qty | DRIVERS | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير : |
|------|----------|-----|---------|--------|---------|---------------|---------------|-----------------|
| 1    | 92544345 | 1   | Pipe    |        |         |               |               |                 |
| 2    | 92546407 | 1   | Gasket  |        |         |               |               |                 |
| 3    | 92546423 | 1   | Gasket  |        |         |               |               |                 |
| 4    | 92354653 | 2   | Plug    |        |         |               |               |                 |

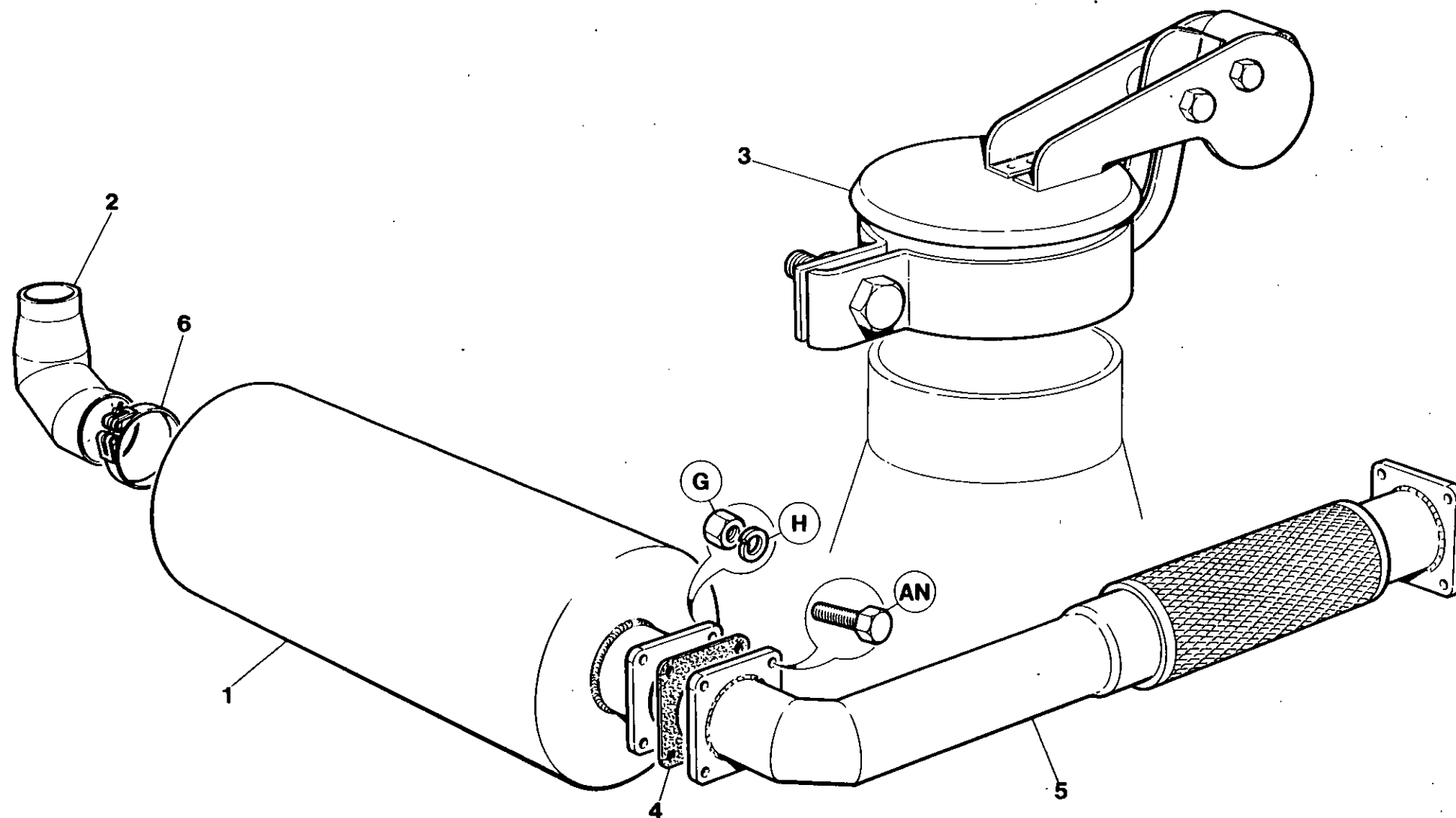




| Item  | C.P.N.   | Qty | DRIVERS          | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير : |
|-------|----------|-----|------------------|--------|---------|---------------|---------------|-----------------|
| (1-3) | 92661933 | 1   | Cooler Assy      |        |         |               |               |                 |
| 1     | 92544329 | 1   | Cooler           |        |         |               |               |                 |
| 2     | 92546431 | 1   | Flame Trap       |        |         |               |               |                 |
| 3     | 92546456 | 1   | Outlet Box       |        |         |               |               |                 |
| 4     | 92657030 | 1   | Dummy Flame Trap |        |         |               |               |                 |
| 5     | 92777127 | 1   | Fixing Kit       |        |         |               |               |                 |



| Item | C.P.N.   | Qty | DRIVERS | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير : |
|------|----------|-----|---------|--------|---------|---------------|---------------|-----------------|
| 1    | 92677509 | 1   | Pipe    |        |         |               |               |                 |
| 2    | 92517846 | 2   | Gasket  |        |         |               |               |                 |

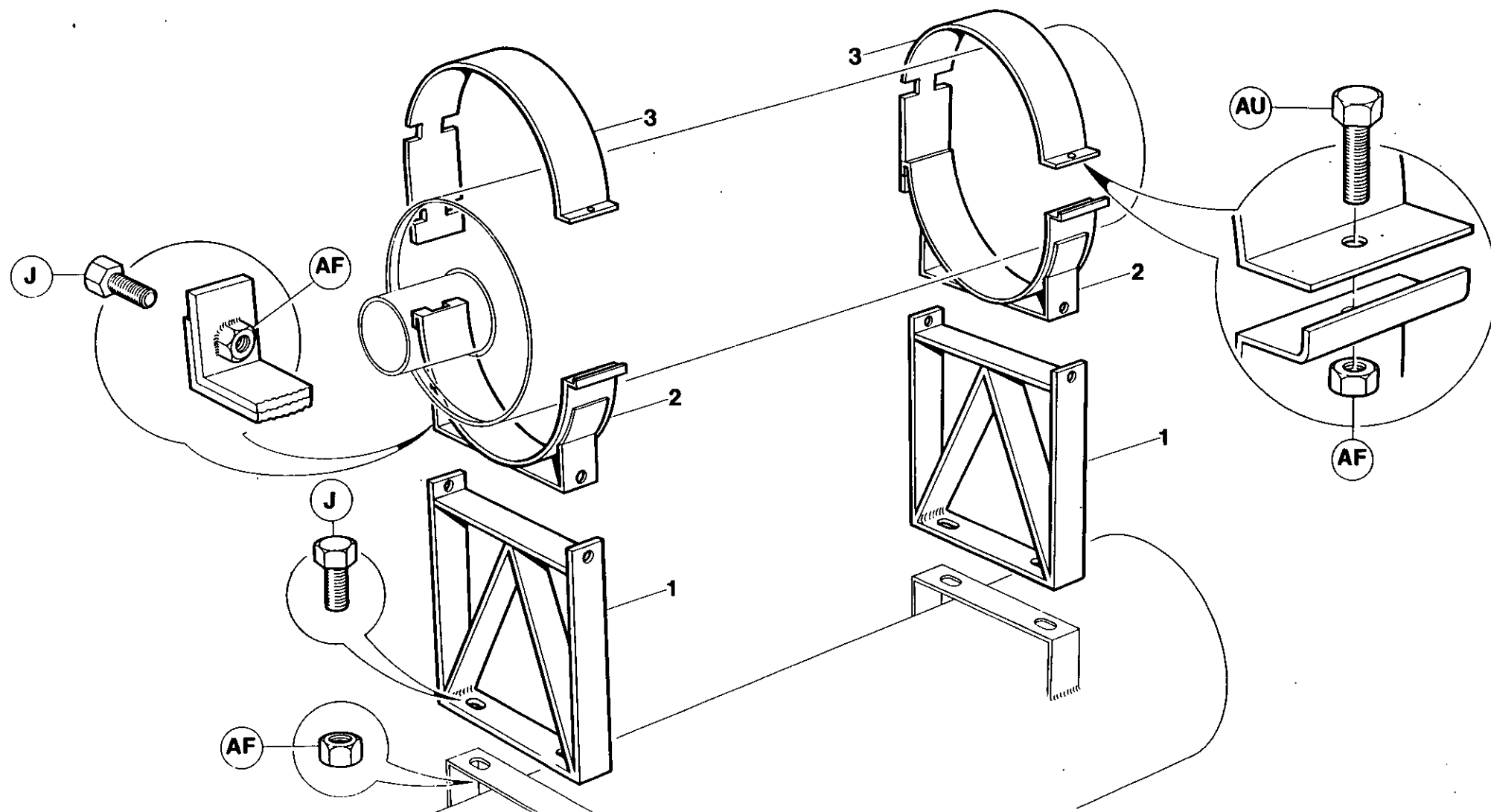


| Item | C.P.N.   | Qty | DRIVERS        | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير : |
|------|----------|-----|----------------|--------|---------|---------------|---------------|-----------------|
| 1    | 92544360 | 1   | Spark Arrestor |        |         |               |               |                 |
| 2    | 92546621 | 1   | Tailpipe       |        |         |               |               |                 |
| 3    | 92777143 | 1   | Raincap        |        |         |               |               |                 |
| 4    | 92517846 | 1   | Gasket         |        |         |               |               |                 |
| 5    | 92679190 | 1   | Pipe           |        |         |               |               |                 |
| 6    | 92548627 | 1   | Clamp          |        |         |               |               |                 |

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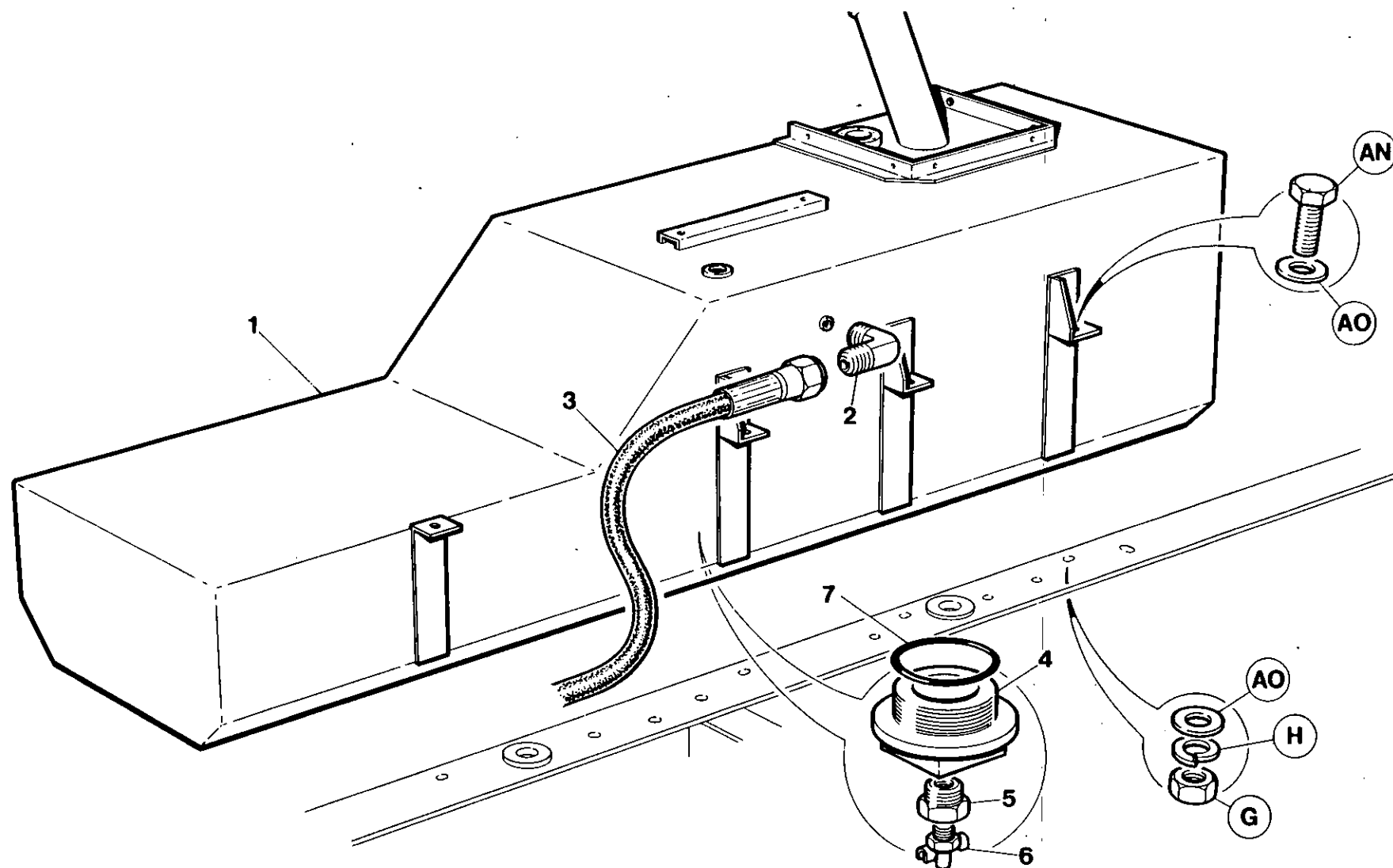
**7.1.19**

**INGERSOLL-RAND**

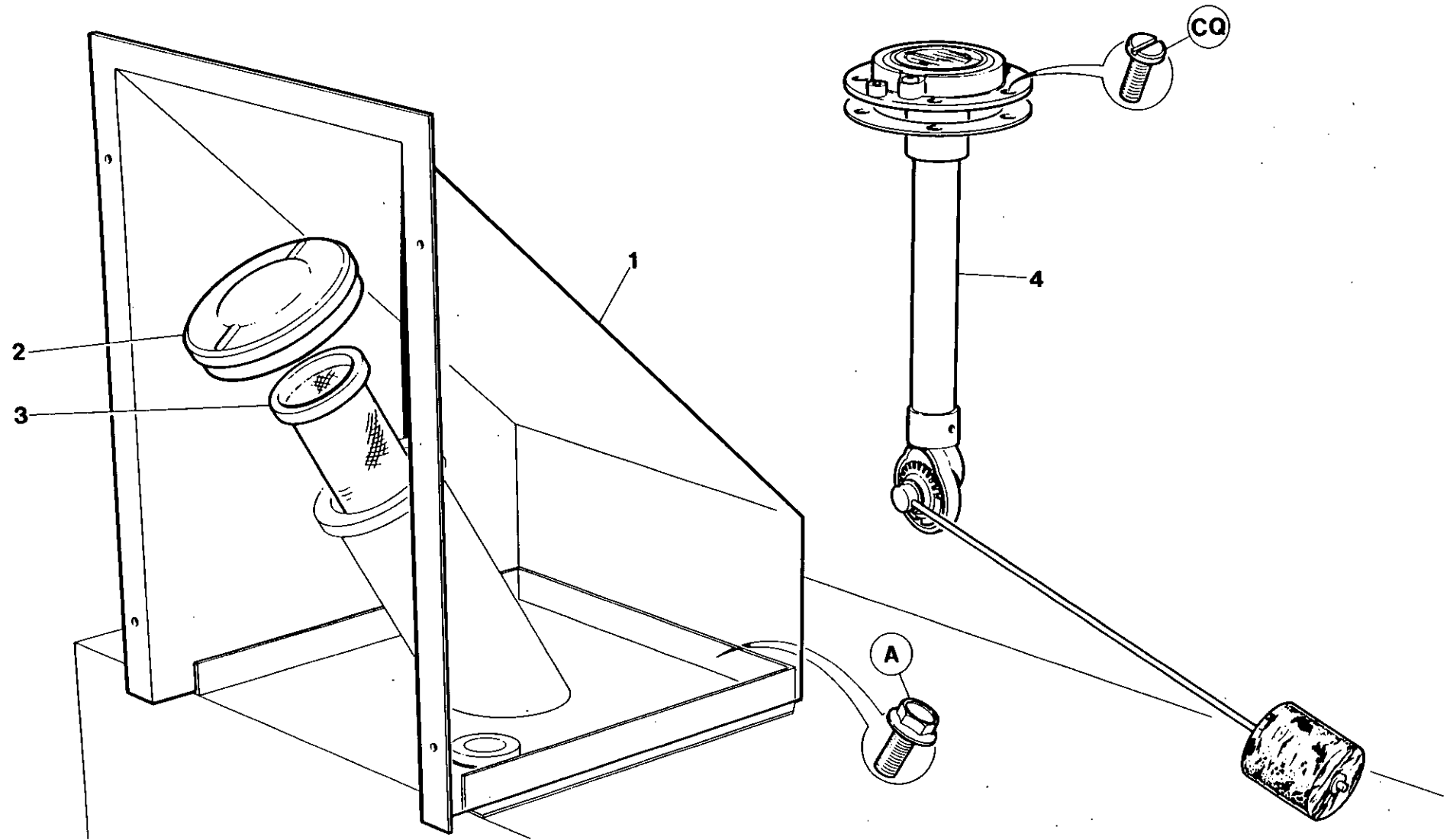


| Item | C.P.N.   | Qty | DRIVERS | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير : |
|------|----------|-----|---------|--------|---------|---------------|---------------|-----------------|
| 1    | 92549401 | 2   | Support |        |         |               |               |                 |
| 2    | 92055326 | 2   | Mount   |        |         |               |               |                 |
| 3    | 92053875 | 2   | Strap   |        |         |               |               |                 |



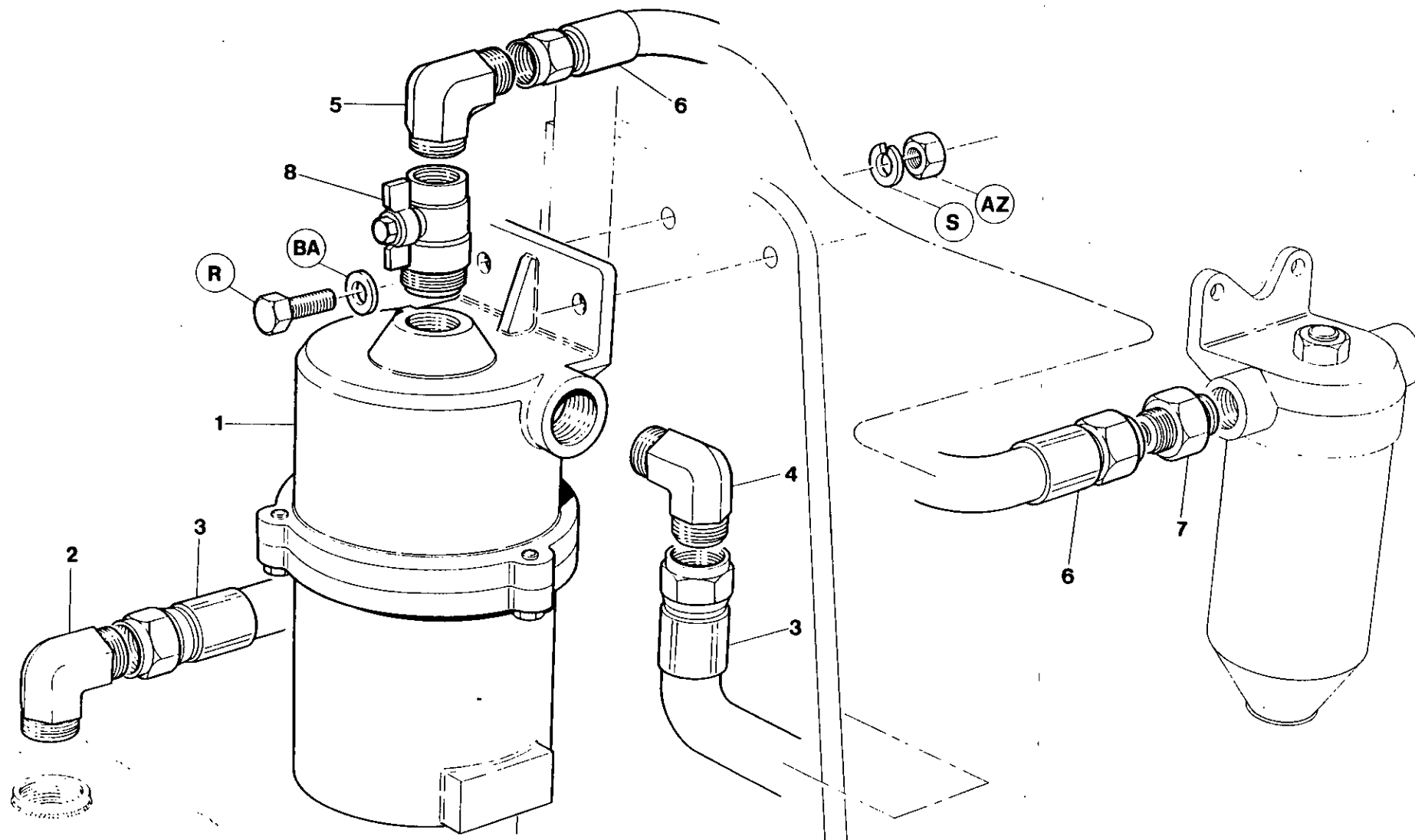


| Item | C.P.N.   | Qty | DRIVERS | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير : |
|------|----------|-----|---------|--------|---------|---------------|---------------|-----------------|
| 1    | 92540186 | 1   | Tank    |        |         |               |               |                 |
| 2    | 92395458 | 1   | Adaptor |        |         |               |               |                 |
| 3    | 92753573 | 1   | Hose    |        |         |               |               |                 |
| 4    | 92549450 | 1   | Plug    |        |         |               |               |                 |
| 5    | 92354380 | 1   | Bush    |        |         |               |               |                 |
| 6    | 92258706 | 1   | Cock    |        |         |               |               |                 |
| 7    | 95358032 | 1   | O-Ring  |        |         |               |               |                 |

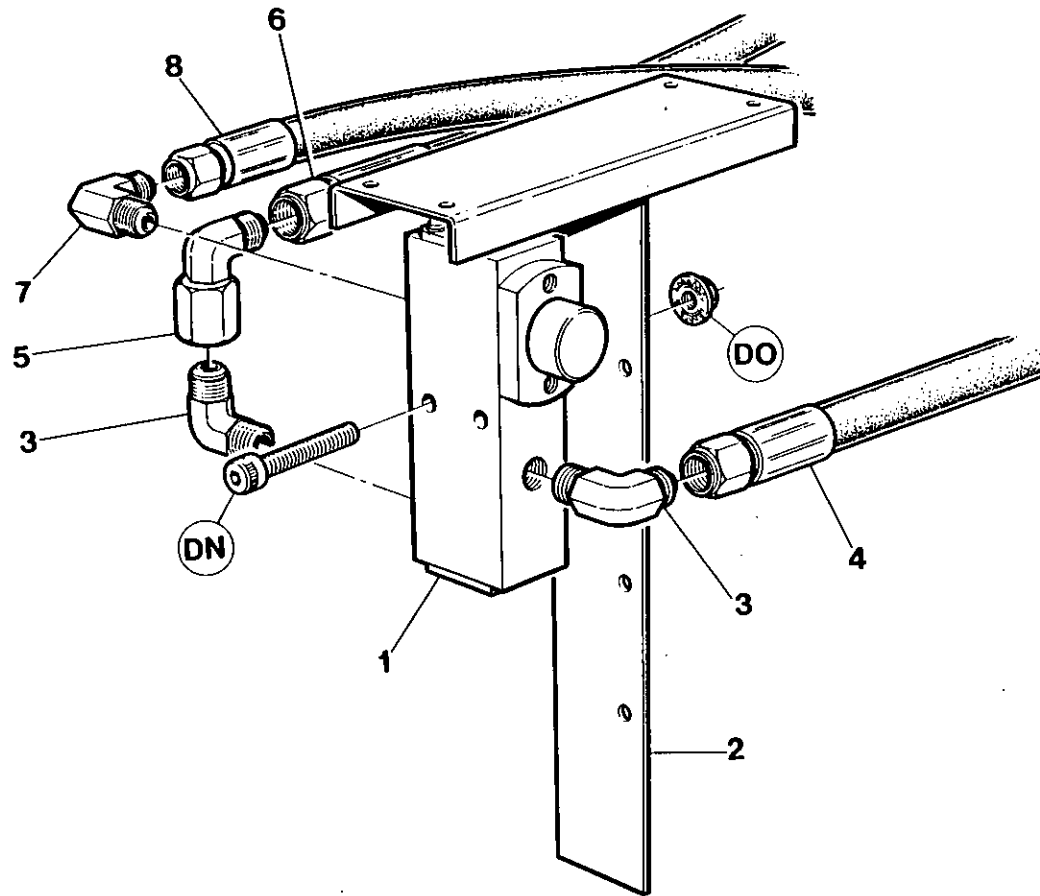


| Item | C.P.N.   | Qty | DRIVERS | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير |
|------|----------|-----|---------|--------|---------|---------------|---------------|---------------|
| 1    | 92540574 | 1   | Box     |        |         |               |               |               |
| 2    | 92120013 | 1   | Cap     |        |         |               |               |               |
| 3    | 92043058 | 1   | Filter  |        |         |               |               |               |
| 4    | 35804905 | 1   | Gauge   |        |         |               |               |               |

# INGERSOLL-RAND



| Item | C.P.N.   | Qty | DRIVERS    | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير : |
|------|----------|-----|------------|--------|---------|---------------|---------------|-----------------|
| 1    | 92547793 | 1   | Water Trap |        |         |               |               |                 |
| 2    | 92477207 | 1   | Elbow      |        |         |               |               |                 |
| 3    | 92549658 | 1   | Hose       |        |         |               |               |                 |
| 4    | 92395540 | 1   | Elbow      |        |         |               |               |                 |
| 5    | 92395557 | 1   | Elbow      |        |         |               |               |                 |
| 6    | 92548882 | 1   | Hose       |        |         |               |               |                 |
| 7    | 35288166 | 1   | Connector  |        |         |               |               |                 |
| 8    | 92069038 | 1   | Valve      |        |         |               |               |                 |



| Item | C.P.N.   | Qty | DRIVERS             | DIVERS | ANTRIEB | GRUPPO MOTORE | ACCIONAMIENTO | أجهزة التدوير |
|------|----------|-----|---------------------|--------|---------|---------------|---------------|---------------|
| 1    | 92546779 | 1   | Fuel Shut-Off Valve |        |         |               |               |               |
| 2    | 92546787 | 1   | Support             |        |         |               |               |               |
| 3    | 92395458 | 2   | Elbow               |        |         |               |               |               |
| 4    | 92690577 | 1   | Hose                |        |         |               |               |               |
| 5    | 92708437 | 1   | Elbow               |        |         |               |               |               |
| 6    | 92520428 | 1   | Hose                |        |         |               |               |               |
| 7    | 92394261 | 1   | Elbow               |        |         |               |               |               |
| 8    | 92547652 | 1   | Hose                |        |         |               |               |               |





| Item | C.P.N.   | Qty | AIR END        | COMPRESSEUR | VERDICHTERTEIL | GRUPPO<br>COMPRESSORE | COMPRESOR | طرف تفريغ الهواء : |
|------|----------|-----|----------------|-------------|----------------|-----------------------|-----------|--------------------|
| 1    | 92548429 | 1   | Housing        |             |                |                       |           |                    |
| 2    | 35313550 | 1   | Bearing        |             |                |                       |           |                    |
| 3    | 95096806 | 2   | Retaining Ring |             |                |                       |           |                    |
| 4    | 39141742 | 1   | Rotor Set      |             |                |                       |           |                    |
| 5    | 35597723 | 1   | Gasket         |             |                |                       |           |                    |
| 6    | 92548437 | 1   | Housing        |             |                |                       |           |                    |
| 7    | 35262963 | 1   | Spacer         |             |                |                       |           |                    |
| 8    | 35313568 | 1   | Bearing        |             |                |                       |           |                    |
| 9    | 35273937 | 2   | Washer         |             |                |                       |           |                    |
| 10   | 92062157 | 2   | Mount          |             |                |                       |           |                    |
| 11   | 92067339 | 1   | Mount          |             |                |                       |           |                    |
| 12   | 35290881 | 2   | Pin            |             |                |                       |           |                    |
| 13   | 92707801 | 1   | Key            |             |                |                       |           |                    |
| 14   | 95223178 | 1   | Retaining Ring |             |                |                       |           |                    |
| 15   | 35264977 | 1   | Bearing        |             |                |                       |           |                    |
| 16   | 95239919 | 1   | Pin            |             |                |                       |           |                    |
| 17   | 95381091 | 1   | Key            |             |                |                       |           |                    |
| 18   | 92075498 | 1   | Gear Set       |             |                |                       |           |                    |
| 19   | 92697804 | 1   | Clamp Plate    |             |                |                       |           |                    |
| 20   | 95043345 | 1   | Retaining Ring |             |                |                       |           |                    |
| 21   | 92756519 | 1   | Shaft          |             |                |                       |           |                    |
| 22   | 92707793 | 1   | Key            |             |                |                       |           |                    |
| 23   | 35269232 | 1   | Spacer         |             |                |                       |           |                    |
| 24   | 92512490 | 1   | Gearcase       |             |                |                       |           |                    |
| 25   | 35573070 | 1   | Plate          |             |                |                       |           |                    |
| 26   | 35601517 | 1   | Bearing        |             |                |                       |           |                    |
| 27   | 35104082 | 1   | Nut            |             |                |                       |           |                    |
| 28   | 35592757 | 1   | Cover          |             |                |                       |           |                    |
| 29   | 35337583 | 1   | Spacer         |             |                |                       |           |                    |
| 30   | 35593508 | 1   | Seal           |             |                |                       |           |                    |
| 31   | 35210087 | 1   | Gasket         |             |                |                       |           |                    |
| 32   | 35572494 | 1   | Gasket         |             |                |                       |           |                    |
| 33   | 92539927 | 1   | Pin            |             |                |                       |           |                    |
| 34   | 35262955 | 1   | Spacer         |             |                |                       |           |                    |
| 35   | 92117480 | 2   | Cover          |             |                |                       |           |                    |

AIR END

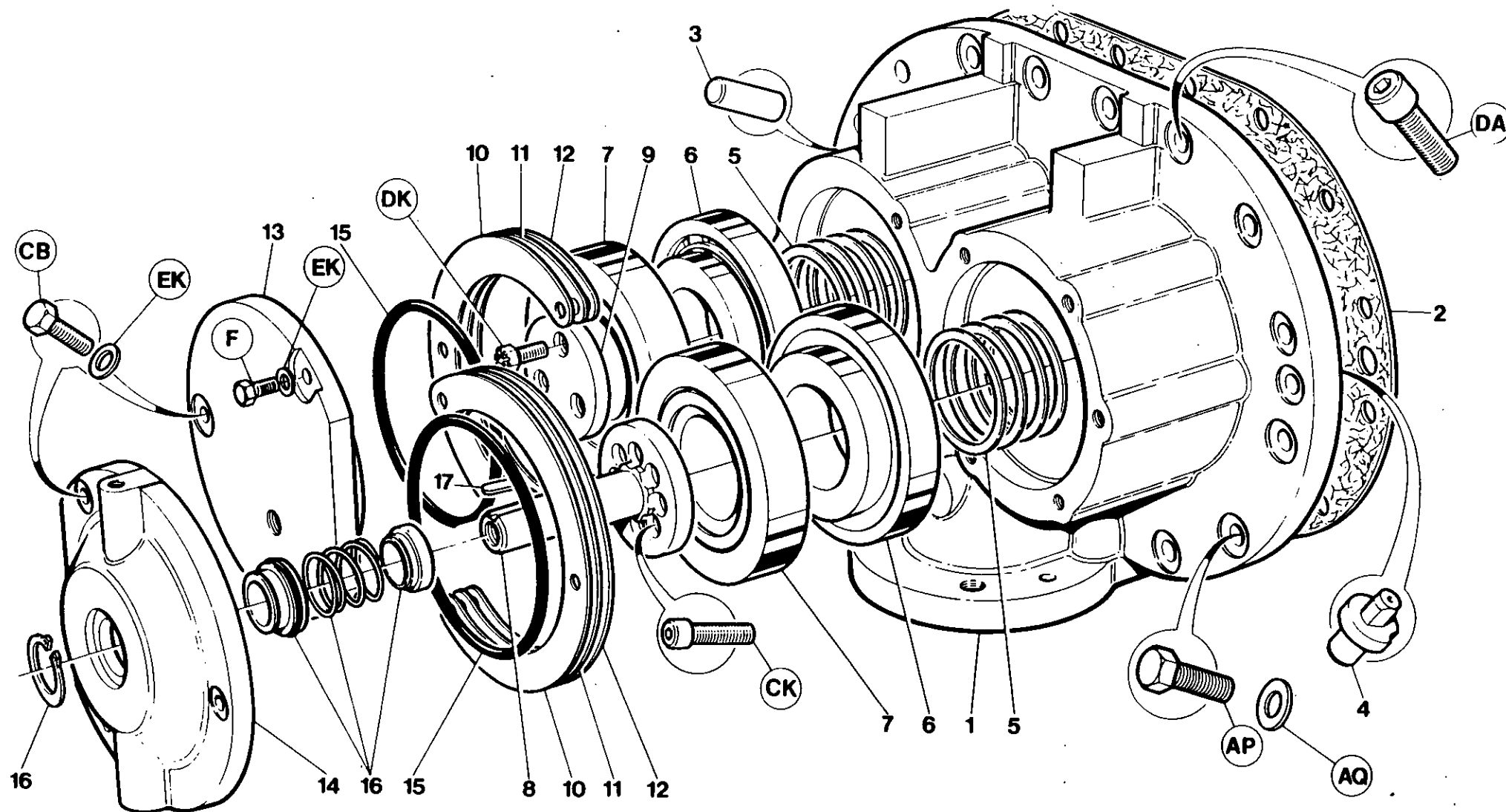
COMPRESSEUR

VERDICHTERTEIL

GRUPPO  
COMPRESSORE

COMPRESOR

طرف تفريغ الهواء :



7.2.2

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| Item | C.P.N.   | Qty | AIR END              | COMPRESSEUR | VERDICHTERTEIL | GRUPPO<br>COMPRESSORE | COMPRESOR | طرف تفريغ الهواء : |
|------|----------|-----|----------------------|-------------|----------------|-----------------------|-----------|--------------------|
| 1    | 92548445 | 1   | Rear Bearing Housing |             |                |                       |           |                    |
| 2    | 35594571 | 1   | Gasket               |             |                |                       |           |                    |
| 3    | 95239927 | 1   | Pin                  |             |                |                       |           |                    |
| 4    | 35290881 | 1   | Pin                  |             |                |                       |           |                    |
| 5    | 35299361 | 2   | Shim Set             |             |                |                       |           |                    |
| 6    | 39437686 | 2   | Bearing              |             |                |                       |           |                    |
| 7    | 39438221 | 2   | Bearing              |             |                |                       |           |                    |
| 8    | 92680354 | 1   | Shaft                |             |                |                       |           |                    |
| 9    | 39436977 | 1   | Retainer             |             |                |                       |           |                    |
| 10   | 39437009 | 4   | Shim                 |             |                |                       |           |                    |
| 11   | 39437017 | 6   | Shim                 |             |                |                       |           |                    |
| 12   | 39437025 | 4   | Shim                 |             |                |                       |           |                    |
| 13   | 92675818 | 1   | Cover                |             |                |                       |           |                    |
| 14   | 92546365 | 1   | Cover                |             |                |                       |           |                    |
| 15   | 95023388 | 2   | O-Ring               |             |                |                       |           |                    |
| 16   | 35593482 | 1   | Seal                 |             |                |                       |           |                    |
| 17   | 92702356 | 1   | Key                  |             |                |                       |           |                    |

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AIR INTAKE SYSTEM

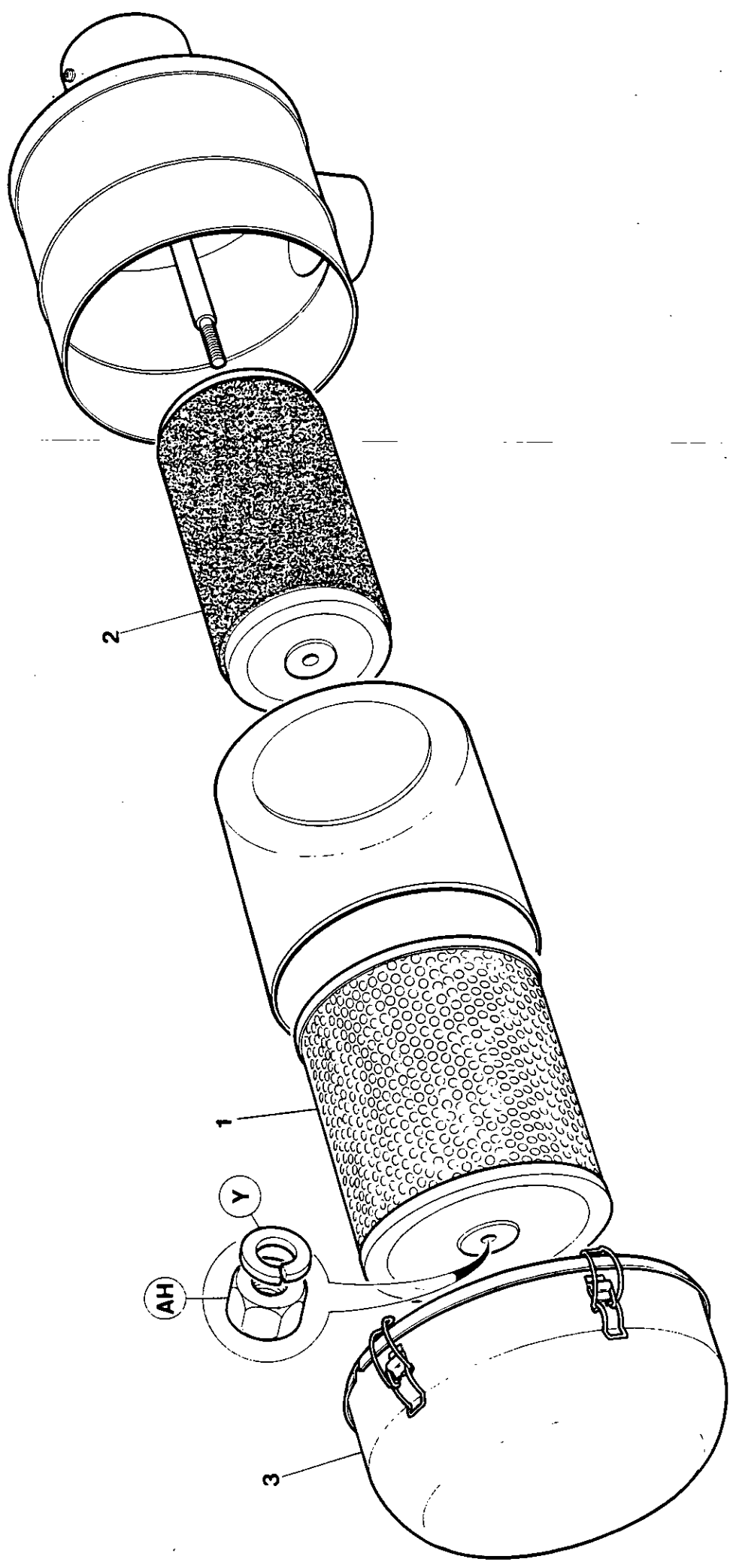
ADMISSION D'AIR

LUFTEINLASS-SYSTEM

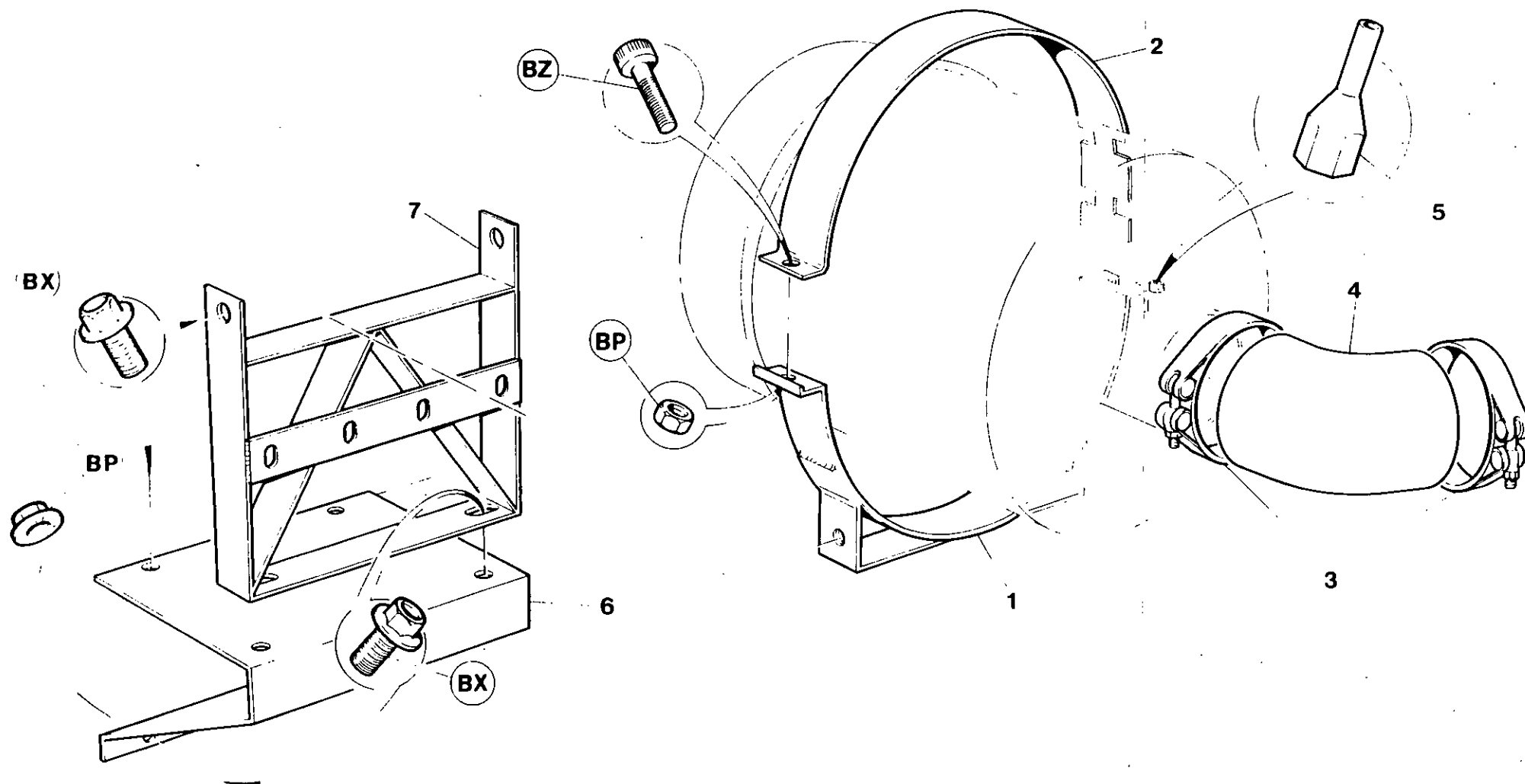
SISTEMA DI  
AMMISSIONE

SISTEMA DE ADMISION  
DE AIRE

جهاز سحب الهواء :



| Item  | C.P.N.   | Qty | AIR INTAKE SYSTEM | ADMISSION D'AIR | LUFTEINLASS-SYSTEM | SISTEMA DI<br>AMMISSIONE | SISTEMA DE ADMISION<br>DE AIRE | جهاز سحب الهواء : |
|-------|----------|-----|-------------------|-----------------|--------------------|--------------------------|--------------------------------|-------------------|
| (1-3) | 92055300 | 2   | Air Filter Assy   |                 |                    |                          |                                |                   |
| 1     | 92035948 | 1   | Element           |                 |                    |                          |                                |                   |
| 2     | 92035955 | 1   | Safety Element    |                 |                    |                          |                                |                   |
| 3     | 92035963 | 1   | End Cap           |                 |                    |                          |                                |                   |



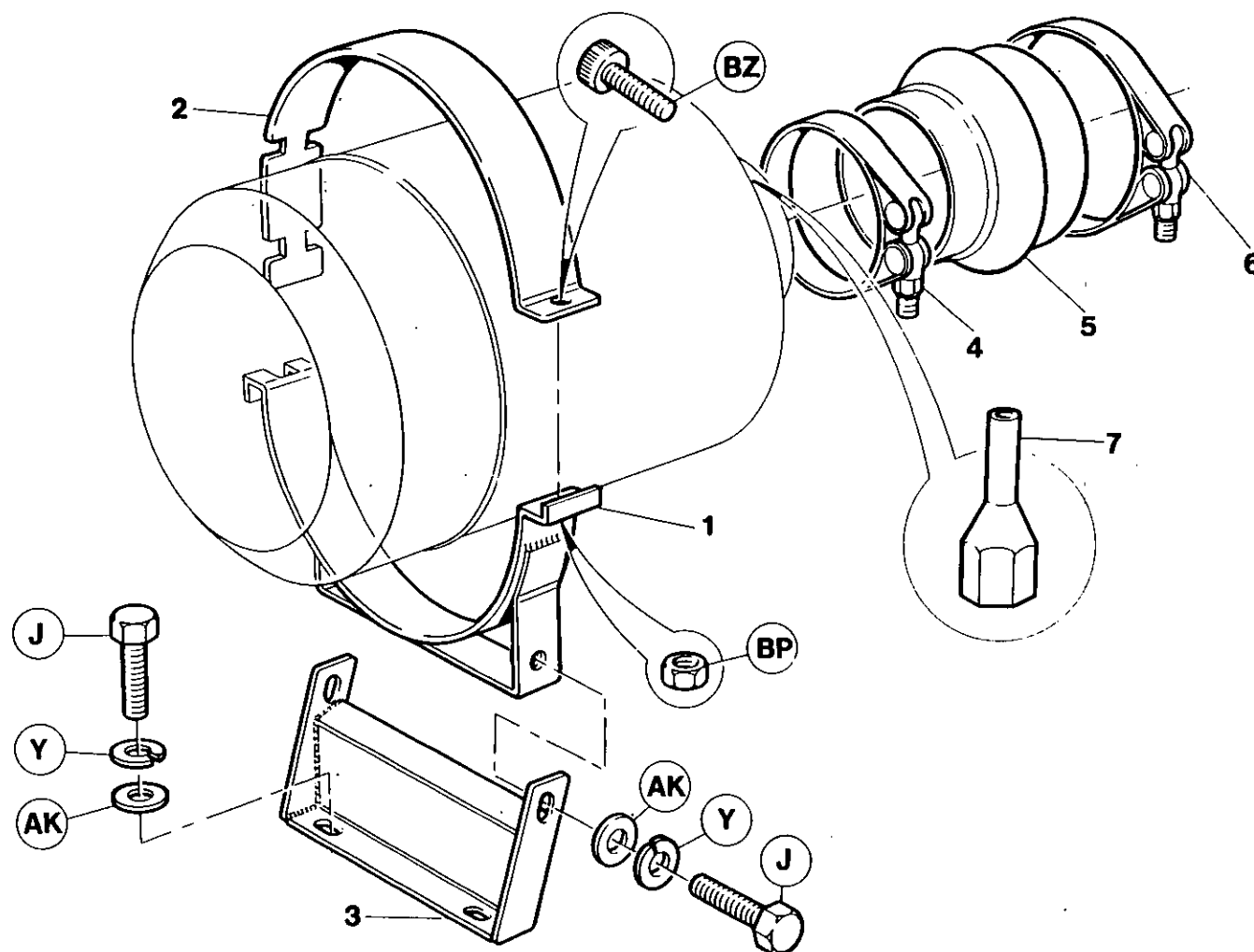
| Item | C.P.N.   | Qty | AIR INTAKE SYSTEM | ADMISSION D'AIR | LUFTEINLASS-SYSTEM | SISTEMA DI AMMISSIONE | SISTEMA DE ADMISION DE AIRE | جهاز سحب الهواء : |
|------|----------|-----|-------------------|-----------------|--------------------|-----------------------|-----------------------------|-------------------|
| 1    | 92055326 | 1   | Mount             |                 |                    |                       |                             |                   |
| 2    | 92053875 | 1   | Strap             |                 |                    |                       |                             |                   |
| 3    | 92472943 | 2   | Clamp             |                 |                    |                       |                             |                   |
| 4    | 92777820 | 1   | Elbow             |                 |                    |                       |                             |                   |
| 5    | 92055235 | 1   | Tailpiece         |                 |                    |                       |                             |                   |
| 6    | 92657188 | 1   | Bracket           |                 |                    |                       |                             |                   |
| 7    | 92657196 | 1   | Bracket           |                 |                    |                       |                             |                   |

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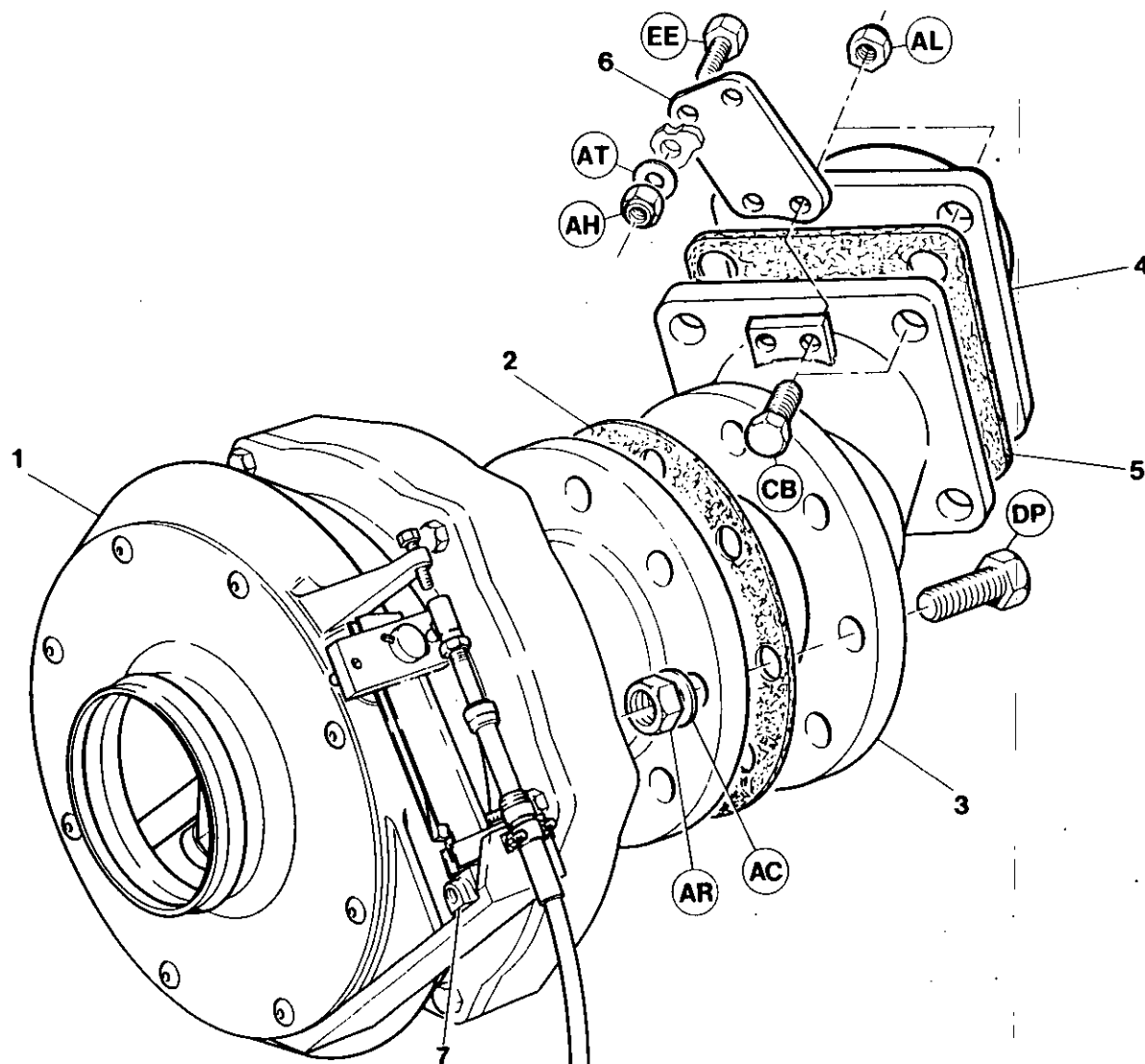
**7.3.3**

**INGERSOLL-RAND**

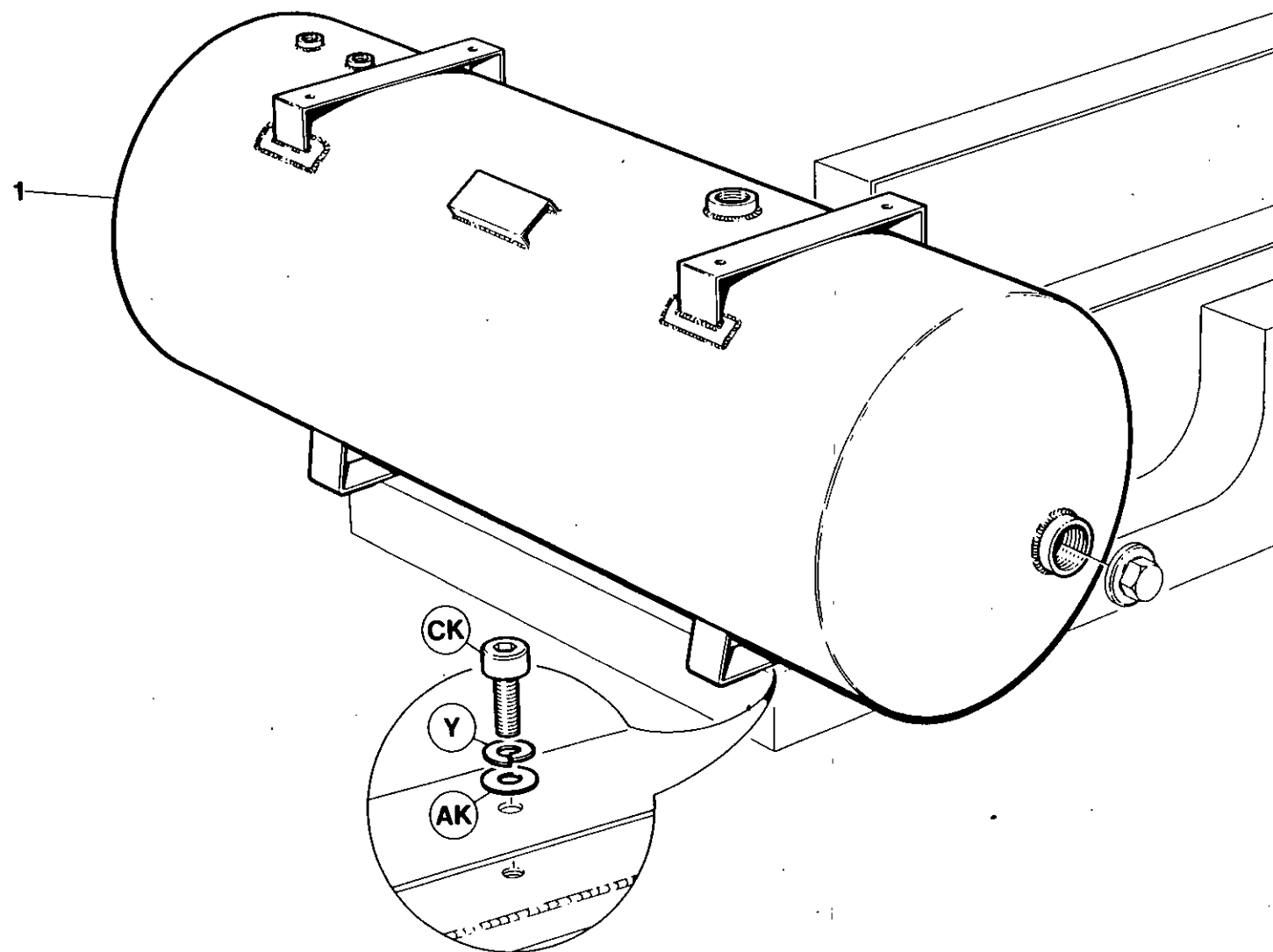




| Item | C.P.N.   | Qty | AIR INTAKE SYSTEM | ADMISSION D'AIR | LUFTEINLASS-SYSTEM | SISTEMA DI AMMISSIONE | SISTEMA DE ADMISION DE AIRE | جهاز سحب الهواء : |
|------|----------|-----|-------------------|-----------------|--------------------|-----------------------|-----------------------------|-------------------|
| 1    | 92055326 | 1   | Mount             |                 |                    |                       |                             |                   |
| 2    | 92053875 | 1   | Strap             |                 |                    |                       |                             |                   |
| 3    | 92058593 | 1   | Support           |                 |                    |                       |                             |                   |
| 4    | 92472943 | 1   | Clamp             |                 |                    |                       |                             |                   |
| 5    | 35112333 | 1   | Hose              |                 |                    |                       |                             |                   |
| 6    | 92472950 | 1   | Clamp             |                 |                    |                       |                             |                   |
| 7    | 92055235 | 1   | Tailpiece         |                 |                    |                       |                             |                   |



| Item | C.P.N.   | Qty | AIR INTAKE SYSTEM | ADMISSION D'AIR | LUFTEINLASS-SYSTEM | SISTEMA DI<br>AMMISSIONE | SISTEMA DE ADMISION<br>DE AIRE | جهاز سحب الهواء : |
|------|----------|-----|-------------------|-----------------|--------------------|--------------------------|--------------------------------|-------------------|
| 1    | 92544337 | 1   | Inlet Valve       |                 |                    |                          |                                |                   |
| 2    | 92546498 | 1   | Gasket            |                 |                    |                          |                                |                   |
| 3    | 92546449 | 1   | Adaptor           |                 |                    |                          |                                |                   |
| 4    | 92751932 | 1   | Turbo Connection  |                 |                    |                          |                                |                   |
| 5    | 92677509 | 1   | Gasket            |                 |                    |                          |                                |                   |
| 6    | 92751957 | 1   | Bracket           |                 |                    |                          |                                |                   |
| 7    | 92702166 | 1   | Valve             |                 |                    |                          |                                |                   |



| Item | C.P.N.   | Qty | REGULATION         | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم |
|------|----------|-----|--------------------|------------|----------|-------------|------------|--------------|
| 1    | 92657964 | 1   | Receiver Composite |            |          |             |            |              |

REGULATION

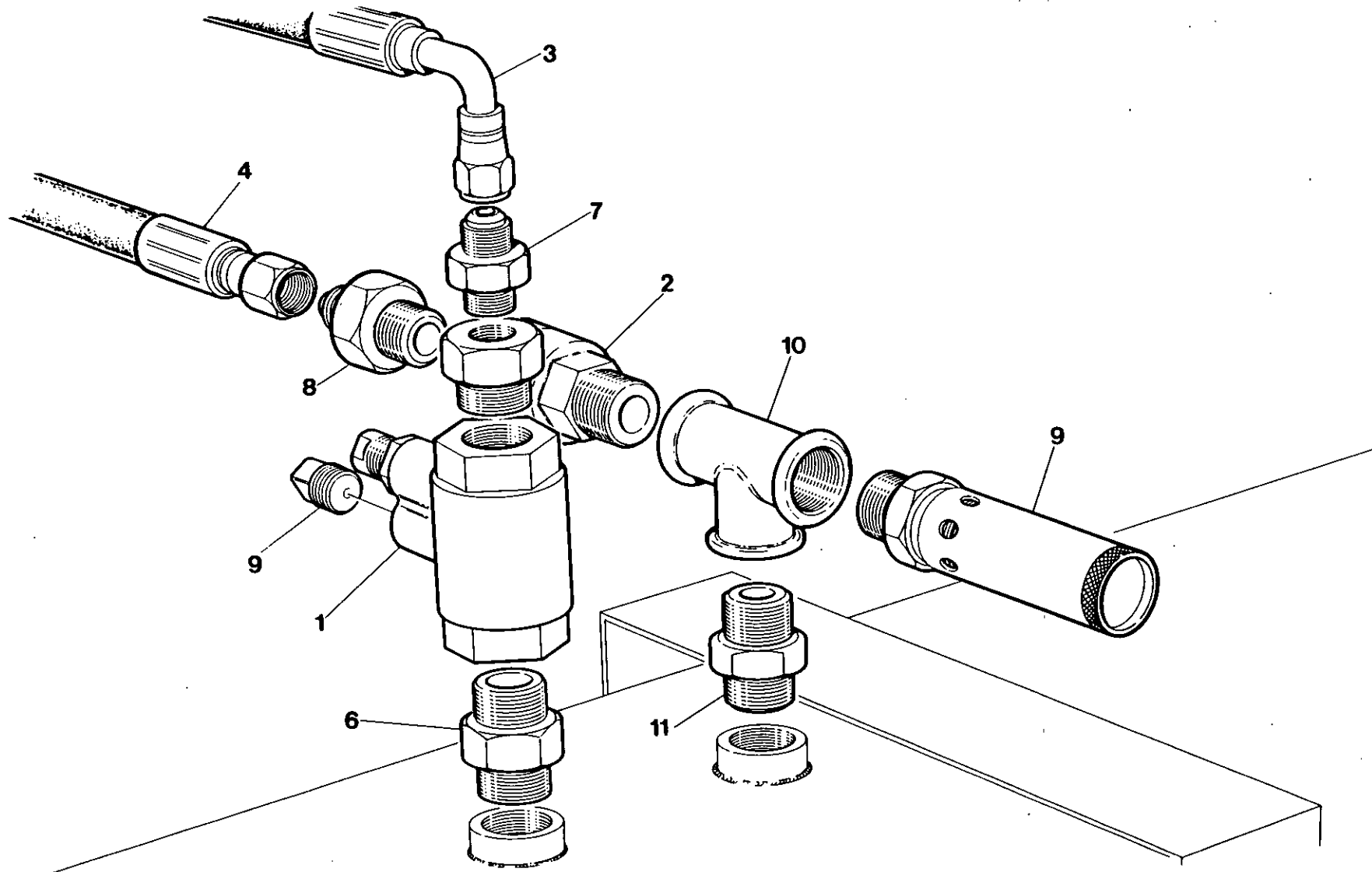
REGULATION

REGELUNG

REGOLAZIONE

REGULACION

جهاز التنظيم :



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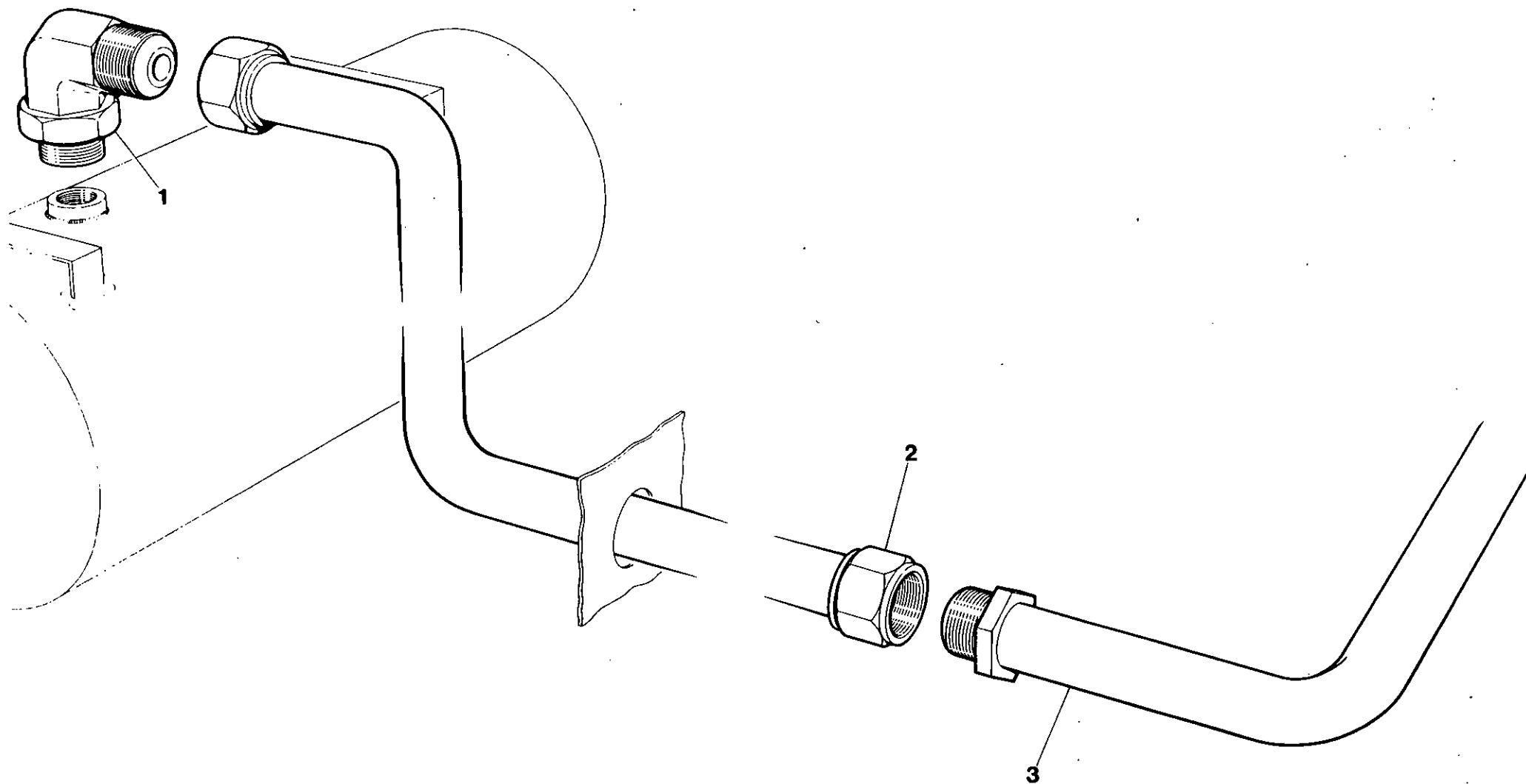
| Item | C.P.N.   | Qty | REGULATION    | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم |
|------|----------|-----|---------------|------------|----------|-------------|------------|--------------|
| 1    | 03604428 | 1   | Check Valve   |            |          |             |            |              |
| 2    | 03457280 | 1   | Check Valve   |            |          |             |            |              |
| 3    | 92546878 | 1   | Hose          |            |          |             |            |              |
| 4    | 92520386 | 1   | Hose          |            |          |             |            |              |
| 5    | 92252733 | 1   | Reducing Bush |            |          |             |            |              |
| 6    | 92255934 | 1   | Nipple        |            |          |             |            |              |
| 7    | 92492800 | 1   | Connector     |            |          |             |            |              |
| 8    | 92478270 | 1   | Connector     |            |          |             |            |              |
| 9    | 92354661 | 1   | Plug          |            |          |             |            |              |
| 10   | 92517010 | 1   | Valve         |            |          |             |            |              |
| 11   | 92258755 | 1   | Tee           |            |          |             |            |              |
| 12   | 92008382 | 1   | Nipple        |            |          |             |            |              |

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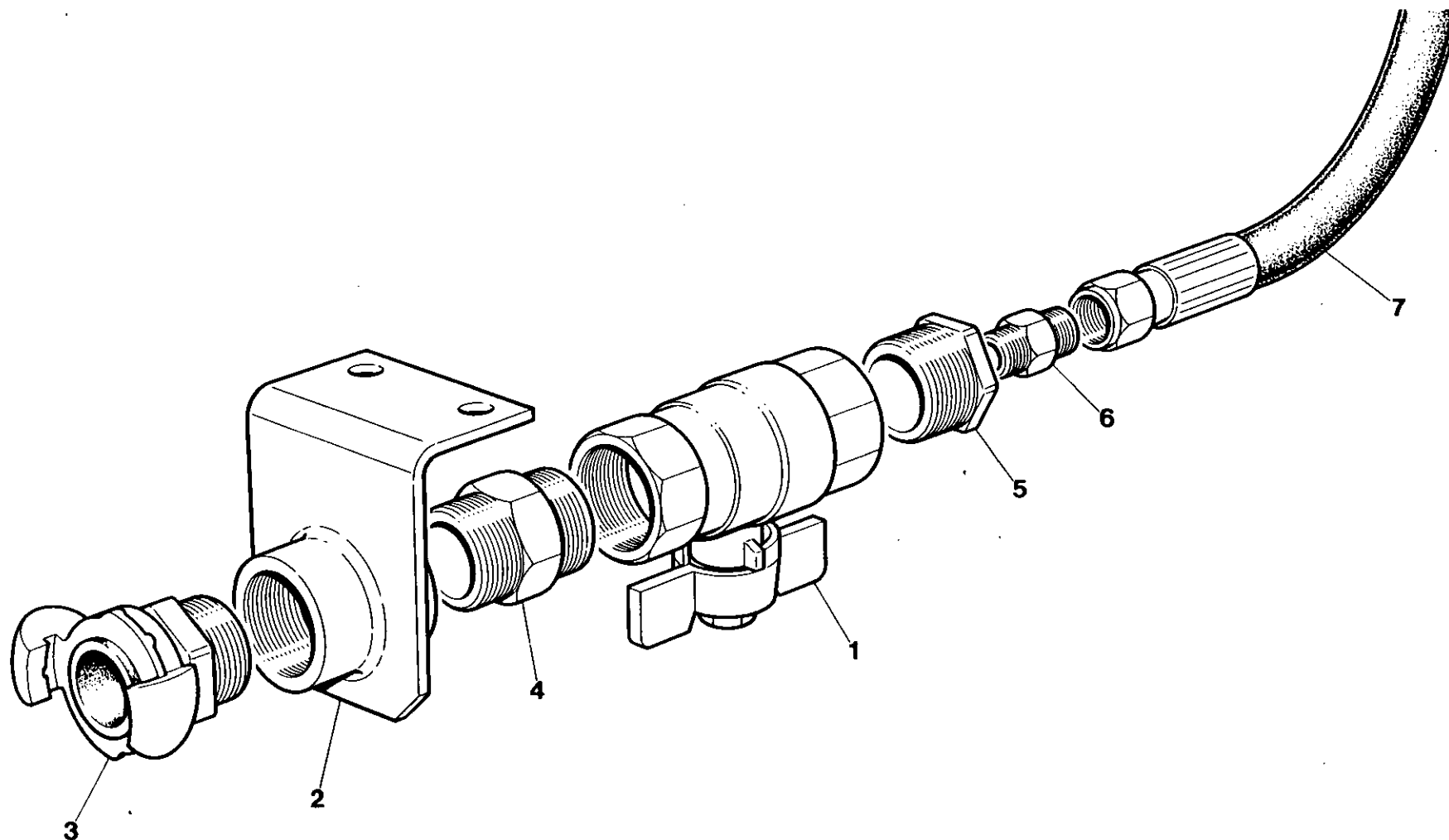
**7.4.3**

**INGERSOLL-RAND**

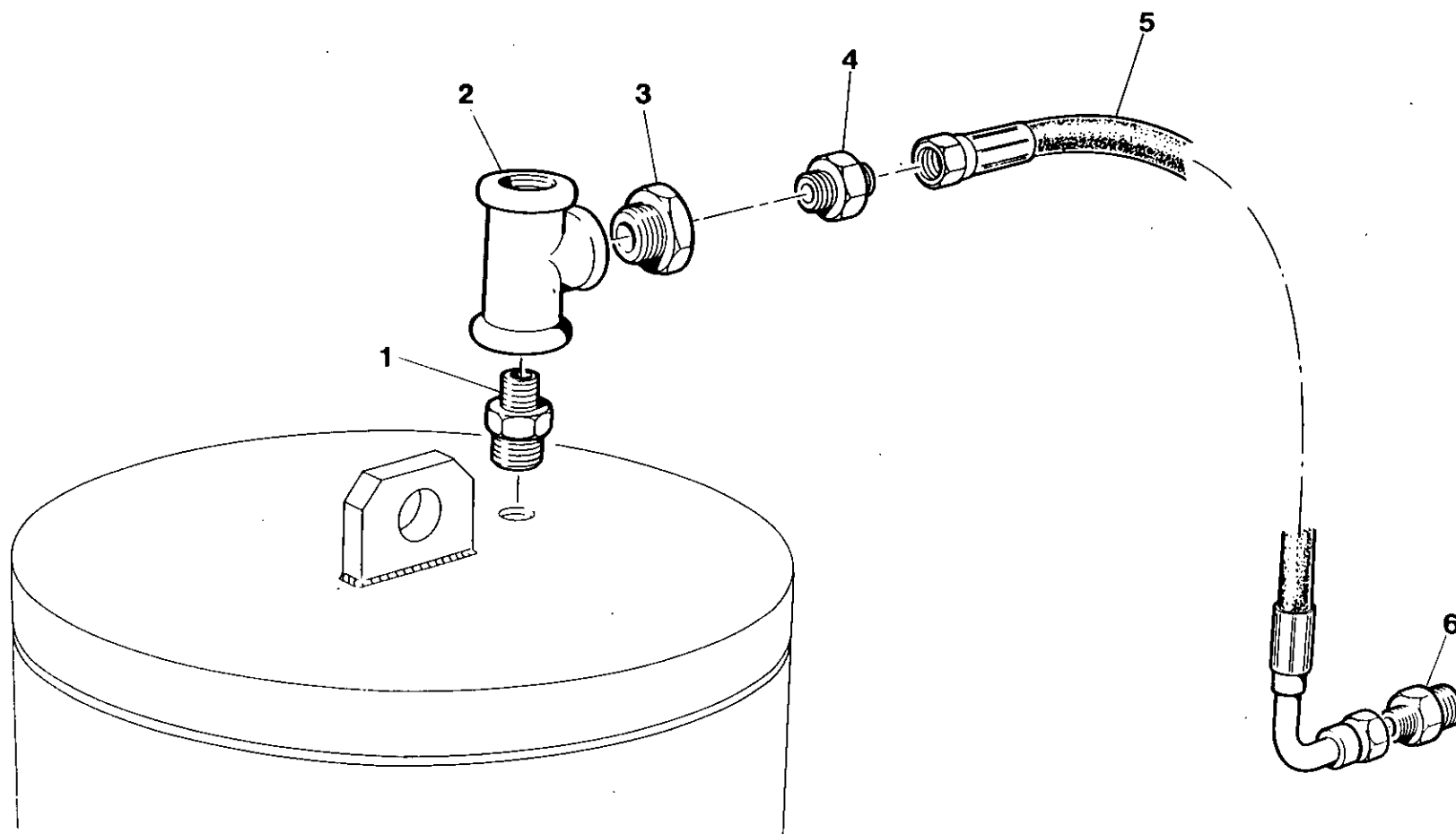




| Item | C.P.N.   | Qty | REGULATION | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|------------|------------|----------|-------------|------------|----------------|
| 1    | 92478221 | 1   | Elbow      |            |          |             |            |                |
| 2    | 92536432 | 1   | Tube       |            |          |             |            |                |
| 3    | 92708478 | 1   | Tube       |            |          |             |            |                |



| Item | C.P.N.   | Qty | REGULATION    | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|---------------|------------|----------|-------------|------------|----------------|
| 1    | 92294461 | 1   | Valve         |            |          |             |            |                |
| 2    | 92657048 | 1   | Bracket       |            |          |             |            |                |
| 3    | 92178524 | 1   | Coupling      |            |          |             |            |                |
| 4    | 92255934 | 1   | Nipple        |            |          |             |            |                |
| 5    | 92252741 | 1   | Reducing Bush |            |          |             |            |                |
| 6    | 92478270 | 1   | Connector     |            |          |             |            |                |
| 7    | 92546878 | 1   | Hose          |            |          |             |            |                |



| Item | C.P.N.   | Qty | REGULATION    | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|---------------|------------|----------|-------------|------------|----------------|
| 1    | 92255934 | 1   | Nipple        |            |          |             |            |                |
| 2    | 92258755 | 1   | Tee           |            |          |             |            |                |
| 3    | 92252733 | 1   | Reducing Bush |            |          |             |            |                |
| 4    | 92492800 | 1   | Connector     |            |          |             |            |                |
| 5    | 92546878 | 1   | Hose          |            |          |             |            |                |
| 6    | 92544246 | 1   | Adaptor       |            |          |             |            |                |

REGULATION

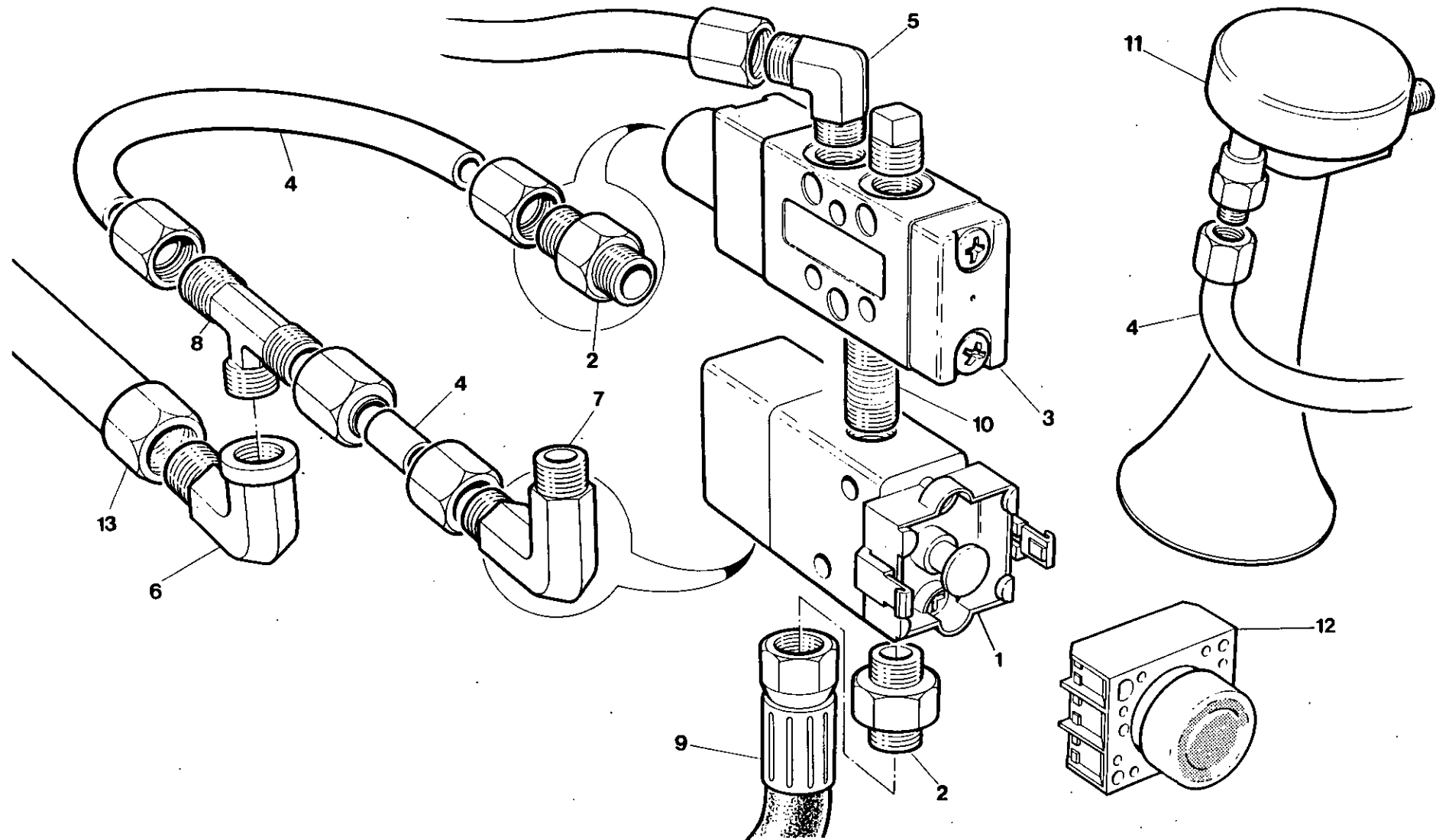
REGULATION

REGELUNG

REGOLAZIONE

REGULACION

جهاز التنظيم

**7.4.10****INGERSOLL-RAND**

| Item | C.P.N.   | Qty | REGULATION        | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|-------------------|------------|----------|-------------|------------|----------------|
| 1    | 92681014 | 1   | Push Button Valve |            |          |             |            |                |
| 2    | 92029651 | 2   | Connector         |            |          |             |            |                |
| 3    | 92547736 | 1   | Pilot Valve       |            |          |             |            |                |
| 4    | 92490358 | 2m  | Tube              |            |          |             |            |                |
| 5    | 92067958 | 1   | Elbow             |            |          |             |            |                |
| 6    | 35301225 | 1   | Elbow             |            |          |             |            |                |
| 7    | 92395433 | 1   | Elbow             |            |          |             |            |                |
| 8    | 92100957 | 1   | Tee               |            |          |             |            |                |
| 9    | 92547652 | 2   | Hose              |            |          |             |            |                |
| 10   | 92512854 | 1   | Nipple            |            |          |             |            |                |
| 11   | 92661867 | 1   | Horn              |            |          |             |            |                |
| 12   | 92686856 | 1   | Button Assy       |            |          |             |            |                |
| 13   | 92698315 | 1   | Tube              |            |          |             |            |                |



REGULATION

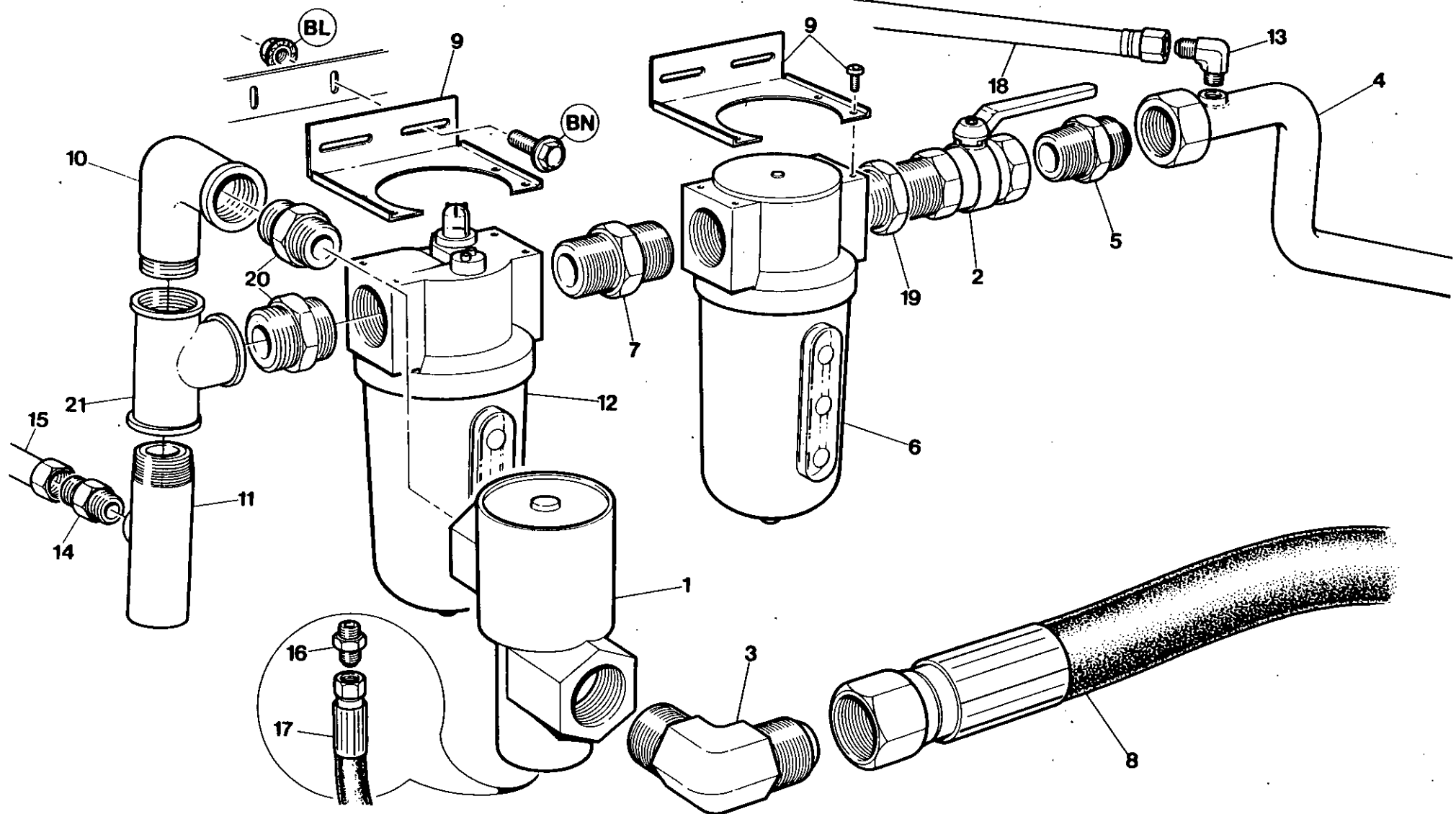
REGULATION

REGELUNG

REGOLAZIONE

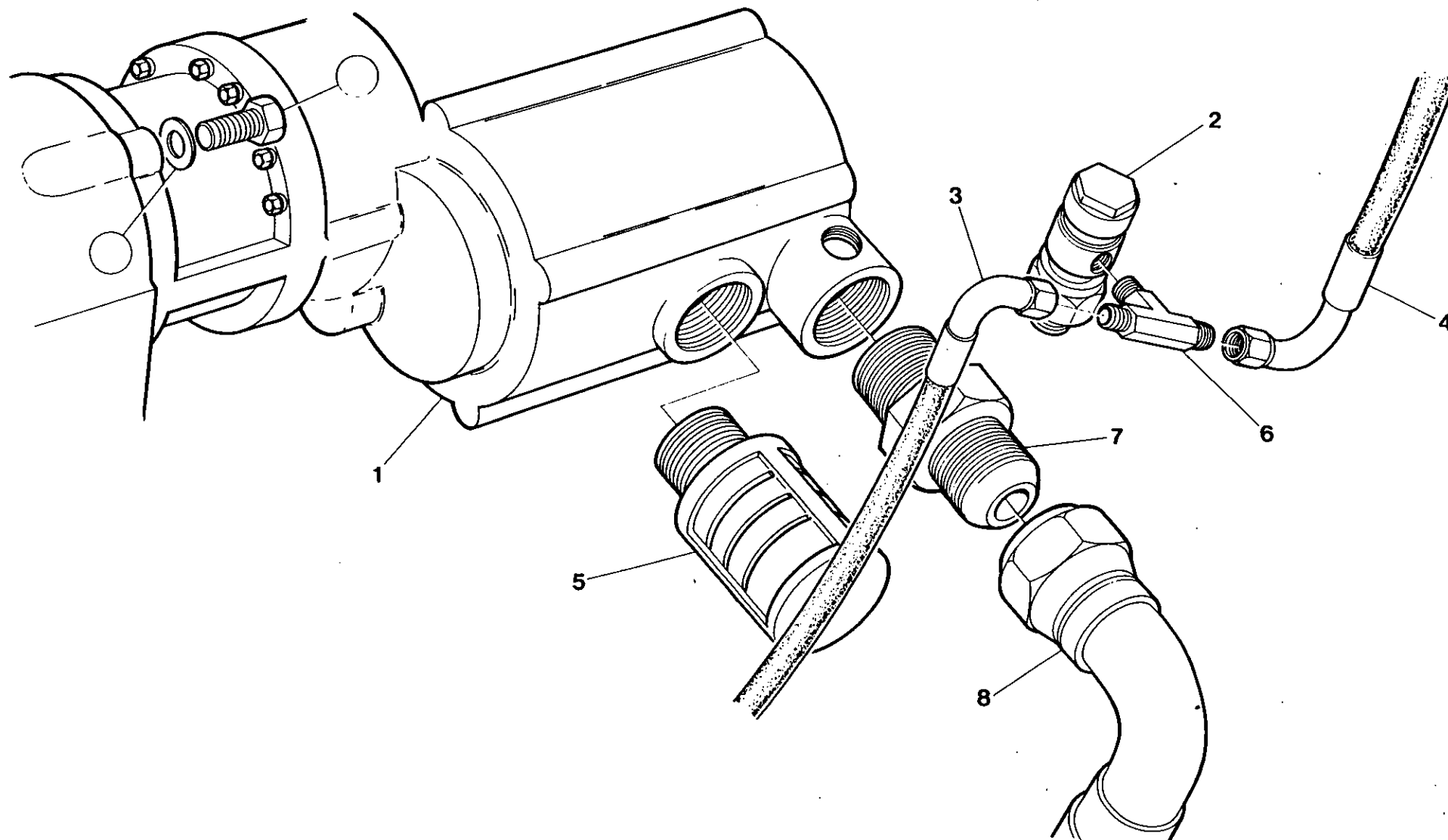
REGULACION

جهاز التنظيم :

**7.4.12**Rev. 2 4/89 **INGERSOLL-RAND**

| Item | C.P.N.   | Qty | REGULATION  | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|-------------|------------|----------|-------------|------------|----------------|
| 1    | 03691102 | 1   | Relay Valve |            |          |             |            |                |
| 2    | 92111228 | 1   | Valve       |            |          |             |            |                |
| 3    | 92511344 | 1   | Elbow       |            |          |             |            |                |
| 4    | 92708478 | 1   | Tube        |            |          |             |            |                |
| 5    | 92478262 | 1   | Adaptor     |            |          |             |            |                |
| 6    | 92708486 | 1   | Filter      |            |          |             |            |                |
| 7    | 92185800 | 1   | Adaptor     |            |          |             |            |                |
| 8    | 92708510 | 1   | Hose        |            |          |             |            |                |
| 9    | 92708593 | 1   | Bracket     |            |          |             |            |                |
| 10   | 92253913 | 1   | Elbow       |            |          |             |            |                |
| 11   | 92773316 | 1   | Drain Well  |            |          |             |            |                |
| 12   | 92708494 | 1   | Lubricator  |            |          |             |            |                |
| 13   | 92395458 | 1   | Elbow       |            |          |             |            |                |
| 14   | 92478569 | 1   | Adaptor     |            |          |             |            |                |
| 15   | 92698307 | 1   | Tube        |            |          |             |            |                |
| 16   | 92478569 | 1   | Adaptor     |            |          |             |            |                |
| 17   | 92520394 | 1   | Hose        |            |          |             |            |                |
| 18   | 92698299 | 1   | Tube        |            |          |             |            |                |
| 19   | 92763283 | 1   | Reducer     |            |          |             |            |                |
| 20   | 92354638 | 2   | Nipple      |            |          |             |            |                |
| 21   | 92356682 | 1   | Tee         |            |          |             |            |                |

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| Item | C.P.N.   | Qty | REGULATION        | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|-------------------|------------|----------|-------------|------------|----------------|
| 1    | 01126648 | 1   | Air Starter Comp. |            |          |             |            |                |
| 2    | 03604378 | 1   | Lubricator        |            |          |             |            |                |
| 3    | 92753573 | 1   | Hose              |            |          |             |            |                |
| 4    | 9275356F | 1   | Hose              |            |          |             |            |                |
| 5    | 03607504 | 1   | Muffler           |            |          |             |            |                |
| 6    | 92109875 | 1   | Tee               |            |          |             |            |                |
| 7    | 92478379 | 1   | Adaptor           |            |          |             |            |                |
| 8    | 92708510 | 1   | Hose              |            |          |             |            |                |

REGULATION

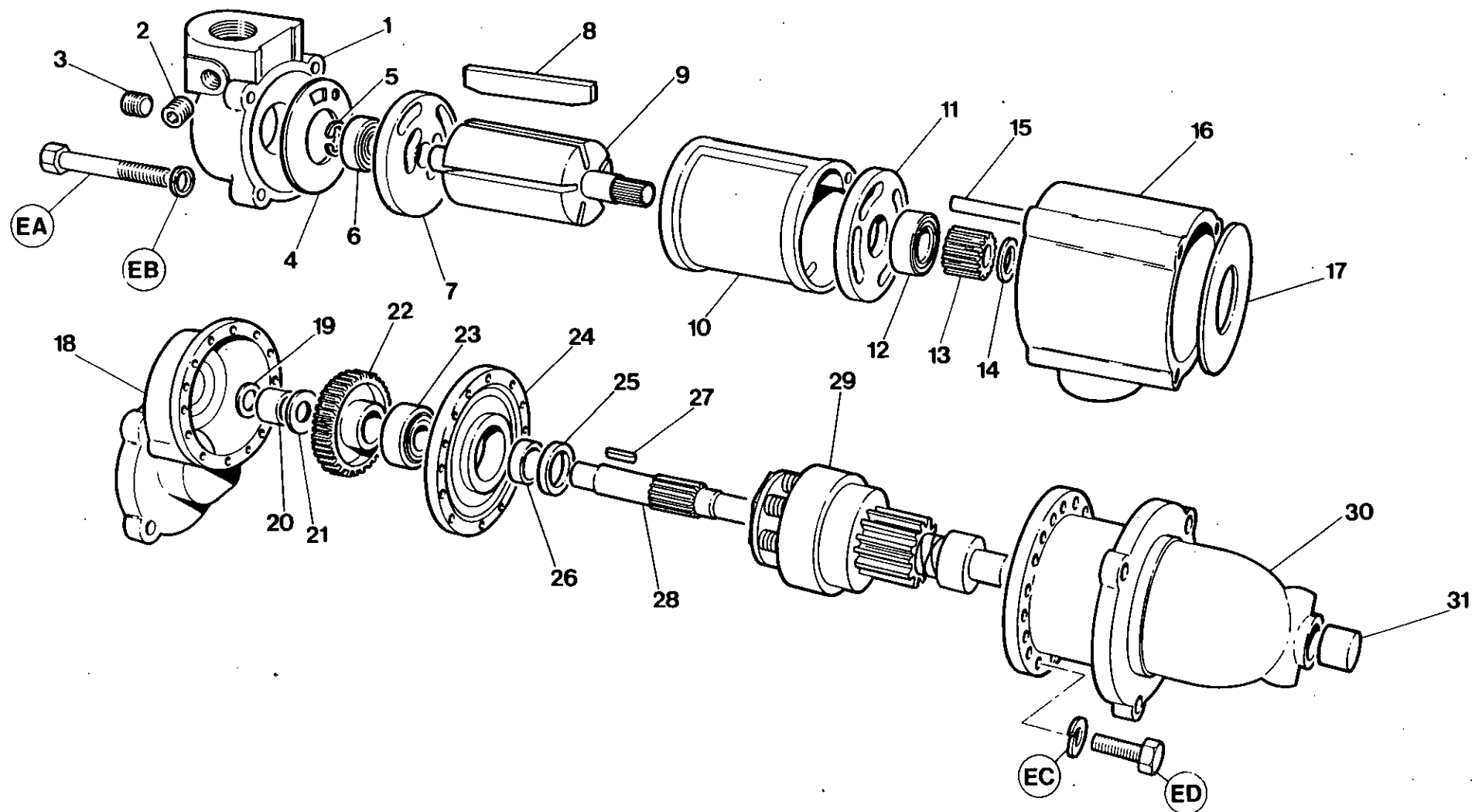
REGULATION

REGELUNG

REGOLAZIONE

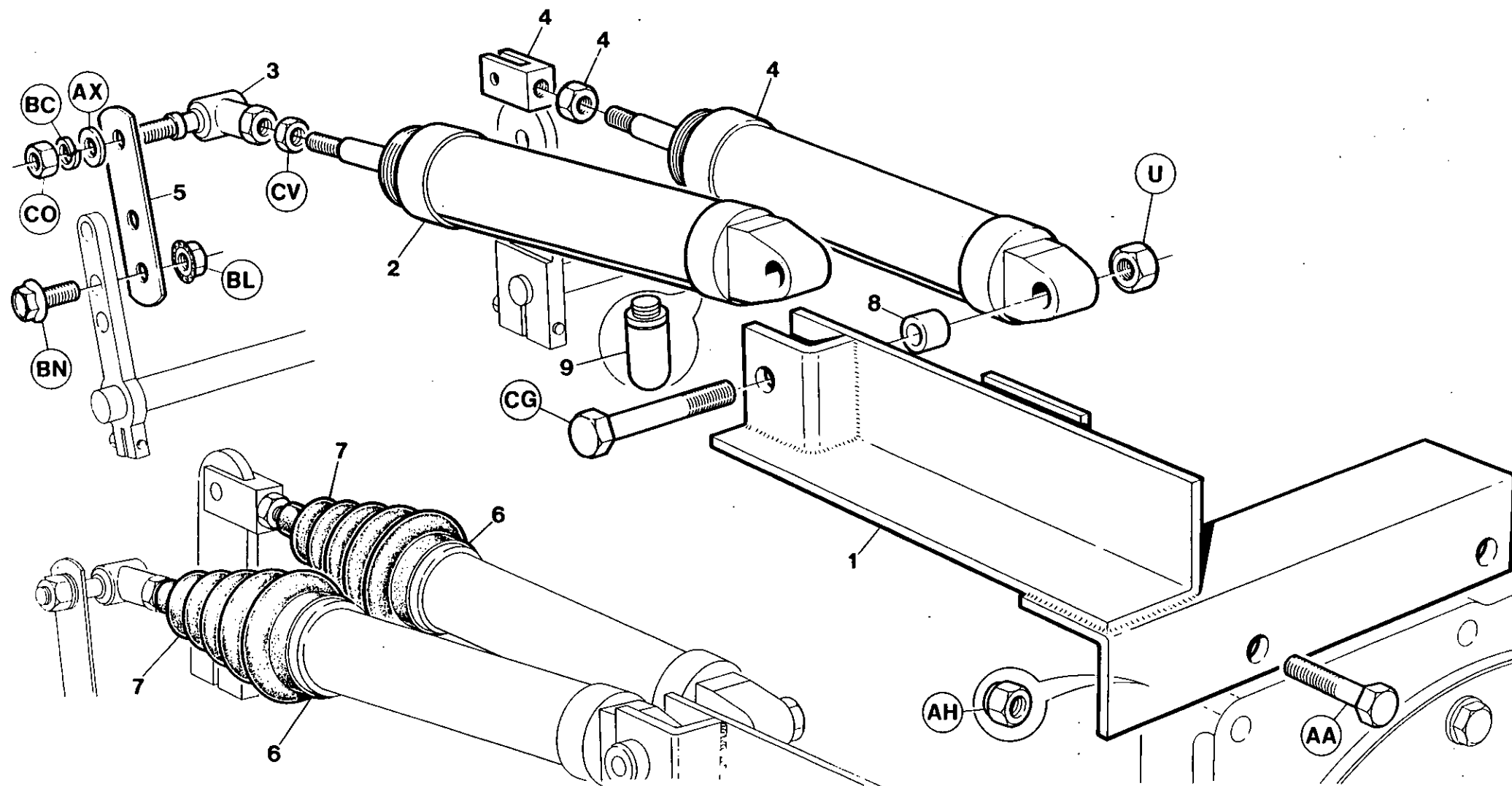
REGULACION

جهاز التنظيم



| Item  | C.P.N.   | Qty | REGULATION             | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|-------|----------|-----|------------------------|------------|----------|-------------|------------|----------------|
| 1-31  | 01126648 | 1   | Air Starter Complete   |            |          |             |            |                |
| 1-3   | 03606928 | 1   | Housing Assembly       |            |          |             |            |                |
| 2     | 03141520 | 2   | Plug                   |            |          |             |            |                |
| 3     | 03086212 | 1   | Plug                   |            |          |             |            |                |
| 4     | 03020823 | 1   | Gasket                 |            |          |             |            |                |
| 5     | 03085628 | 1   | Retainer               |            |          |             |            |                |
| 6     | 03144995 | 1   | Bearing                |            |          |             |            |                |
| 7     | 03020492 | 1   | Plate                  |            |          |             |            |                |
| 8     | 03404365 | 1   | Valve Packet Set       |            |          |             |            |                |
| 9     | 03020666 | 1   | Rotor                  |            |          |             |            |                |
| 10    | 03021672 | 1   | Cylinder               |            |          |             |            |                |
| 11    | 03020476 | 1   | Plate                  |            |          |             |            |                |
| 12    | 03020526 | 1   | Bearing                |            |          |             |            |                |
| 13    | 03390234 | 1   | Pinion                 |            |          |             |            |                |
| 14    | 03020716 | 1   | Retainer               |            |          |             |            |                |
| 15    | 03020724 | 1   | Dowel                  |            |          |             |            |                |
| 16    | 03020617 | 1   | Housing                |            |          |             |            |                |
| 17    | 03020831 | 1   | Gasket                 |            |          |             |            |                |
| 18-20 | 03020591 | 1   | Gear Case Assembly     |            |          |             |            |                |
| 19    | 03020534 | 1   | Washer                 |            |          |             |            |                |
| 20    | 03021094 | 1   | Bearing                |            |          |             |            |                |
| 21    | 03020500 | 1   | Washer                 |            |          |             |            |                |
| 22    | 03390226 | 1   | Drive Gear             |            |          |             |            |                |
| 23    | 03141579 | 1   | Bearing                |            |          |             |            |                |
| 24-25 | 03021102 | 1   | Gear Case Cover Assy   |            |          |             |            |                |
| 25    | 03020815 | 1   | Seal                   |            |          |             |            |                |
| 26    | 03020559 | 1   | Collar                 |            |          |             |            |                |
| 27    | 03021219 | 1   | Key                    |            |          |             |            |                |
| 28    | 03020757 | 1   | Shaft                  |            |          |             |            |                |
| 29    | 03020872 | 1   | Starter Drive          |            |          |             |            |                |
| 30    | 03019858 | 1   | Drive Housing Assembly |            |          |             |            |                |
| 31    | 03608494 | 1   | Bearing                |            |          |             |            |                |
| *32   | 03388709 | 1   | Nameplate              |            |          |             |            |                |
| *33   | 03154226 | 3   | Nameplate Screw        |            |          |             |            |                |

\* Not Illustrated



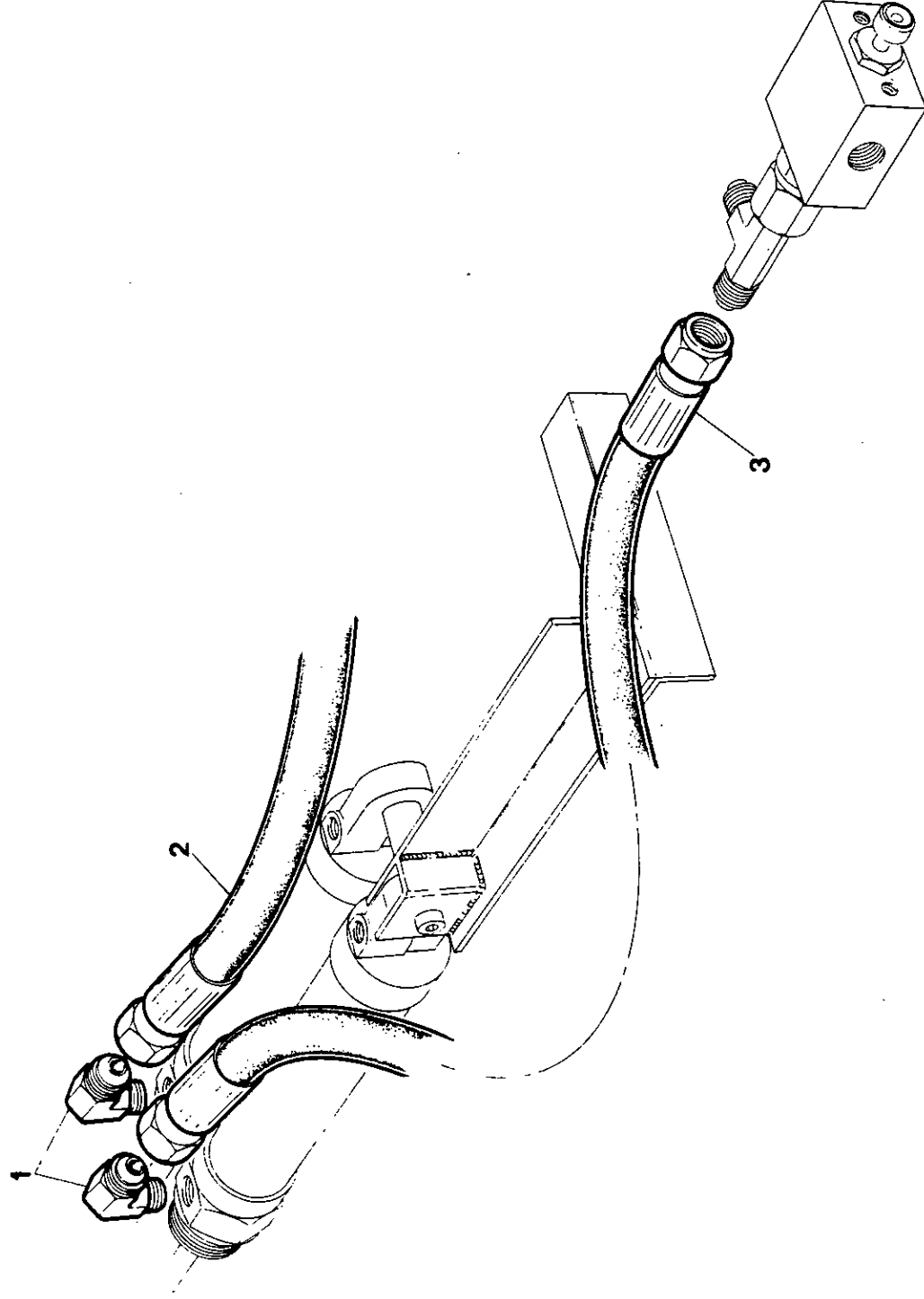
| Item | C.P.N.   | Qty | REGULATION | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم |
|------|----------|-----|------------|------------|----------|-------------|------------|--------------|
| 1    | 92517721 | 1   | Bracket    |            |          |             |            |              |
| 2    | 92700319 | 1   | Cylinder   |            |          |             |            |              |
| 3    | 92169630 | 1   | Ball Joint |            |          |             |            |              |
| 4    | 92708411 | 1   | Cylinder   |            |          |             |            |              |
| 5    | 92517911 | 1   | Lever      |            |          |             |            |              |
| 6    | 92281427 | 4   | Tye Rap    |            |          |             |            |              |
| 7    | 92677319 | 2   | Bellows    |            |          |             |            |              |
| 8    | 92708429 | 1   | Spacer     |            |          |             |            |              |
| 9    | 92549278 | 2   | Muffler    |            |          |             |            |              |

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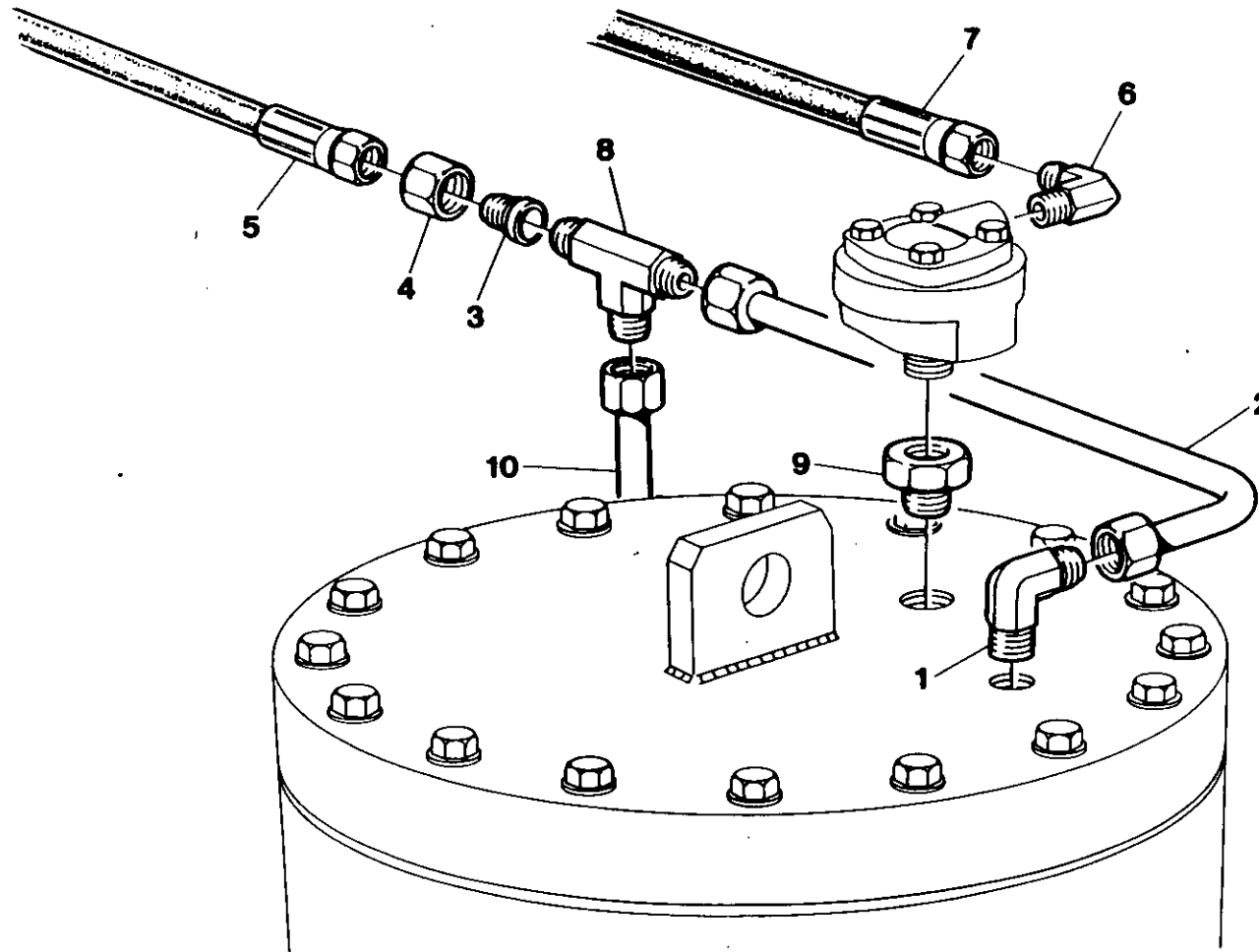
**7.4.19**

**INGERSOLL-RAND**

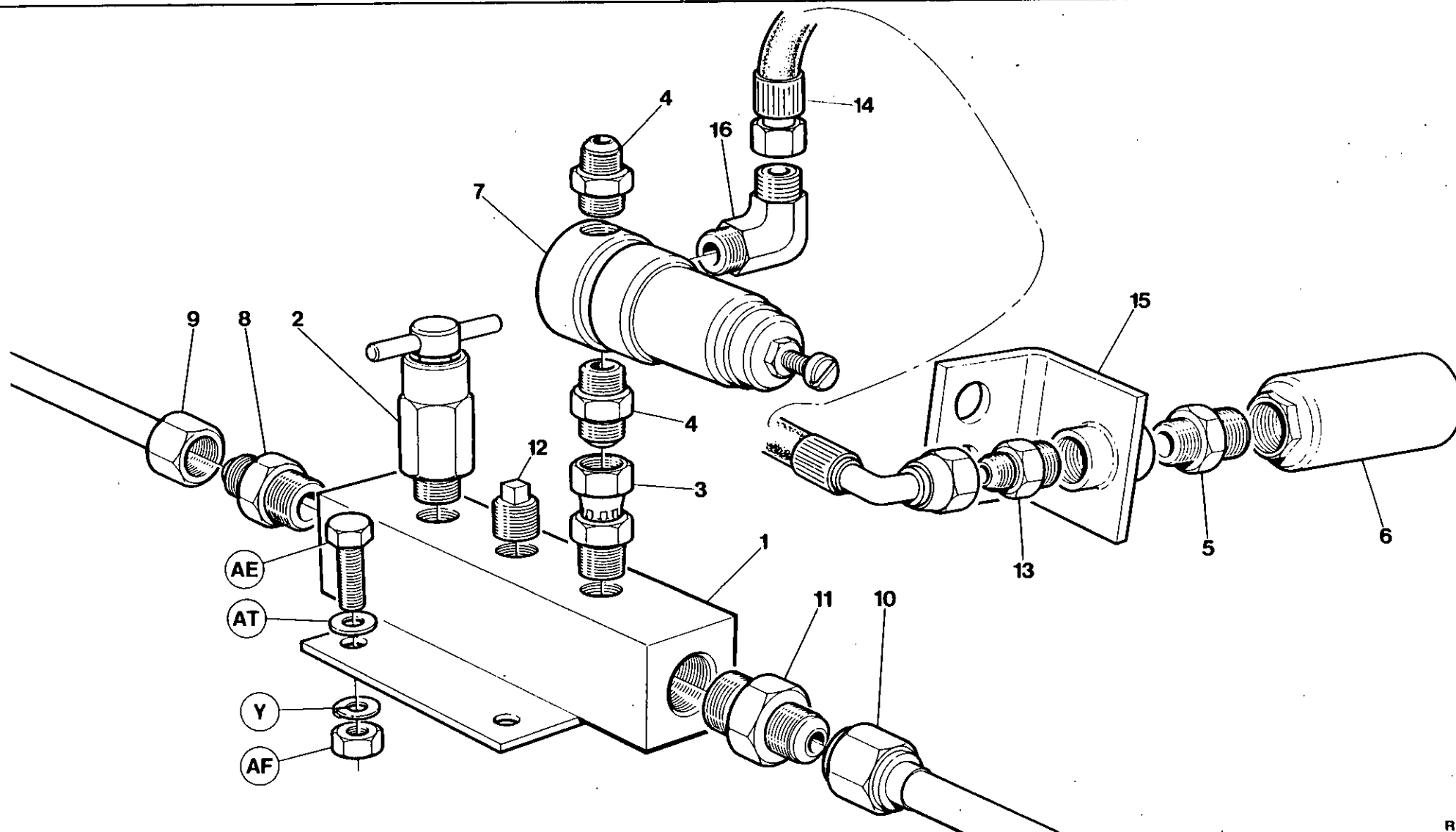




| Item | C.P.N.   | Qty | REGULATION | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|------------|------------|----------|-------------|------------|----------------|
| 1    | 92441294 | 2   | Elbow      |            |          |             |            |                |
| 2    | 92547652 | 1   | Hose       |            |          |             |            |                |
| 3    | 92520386 | 1   | Hose       |            |          |             |            |                |



| Item | C.P.N.   | Qty | REGULATION    | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم |
|------|----------|-----|---------------|------------|----------|-------------|------------|--------------|
| 1    | 92058064 | 1   | Elbow         |            |          |             |            |              |
| 2    | 92058072 | 1   | Tube          |            |          |             |            |              |
| 3    | 35296227 | 1   | Reducer       |            |          |             |            |              |
| 4    | 35296219 | 1   | Nut           |            |          |             |            |              |
| 5    | 92049097 | 1   | Hose          |            |          |             |            |              |
| 6    | 35301126 | 1   | Elbow         |            |          |             |            |              |
| 7    | 92079474 | 1   | Hose          |            |          |             |            |              |
| 8    | 92083245 | 1   | Tee           |            |          |             |            |              |
| 9    | 92351170 | 1   | Reducing Bush |            |          |             |            |              |
| 10   | 92058080 | 1   | Tube          |            |          |             |            |              |



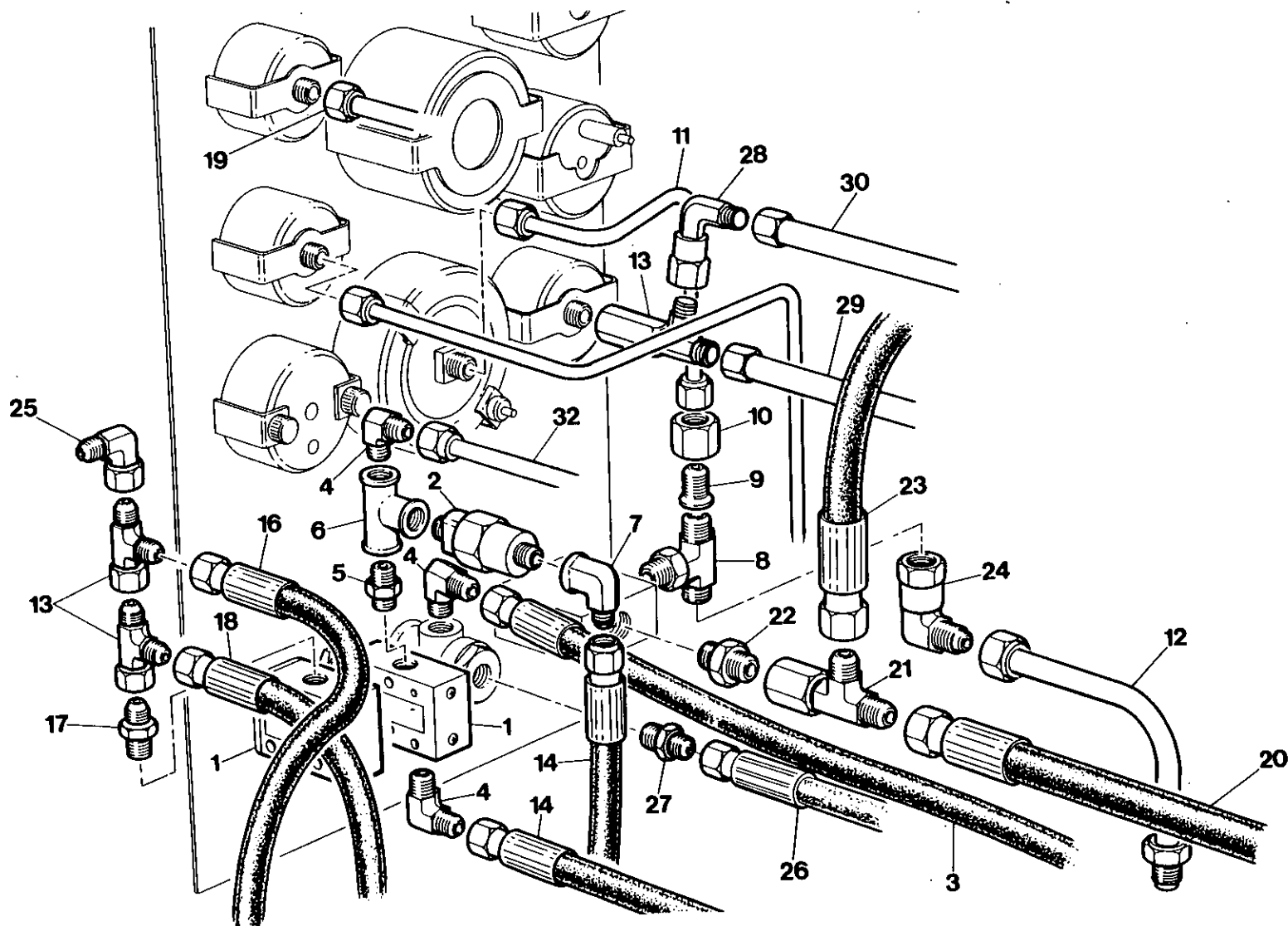
Rev.1 4/89

| Item | C.P.N.   | Qty | REGULATION      | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|-----------------|------------|----------|-------------|------------|----------------|
| 1    | 92058718 | 1   | Manifold        |            |          |             |            |                |
| 2    | 92043017 | 1   | Valve           |            |          |             |            |                |
| 3    | 92098235 | 1   | Connector       |            |          |             |            |                |
| 4    | 92478387 | 2   | Connector       |            |          |             |            |                |
| 5    | 92513175 | 1   | Orifice         |            |          |             |            |                |
| 6    | 92513183 | 1   | Silencer        |            |          |             |            |                |
| 7    | 35359090 | 1   | Regulator Valve |            |          |             |            |                |
| 8    | 92042936 | 1   | Connector       |            |          |             |            |                |
| 9    | 92058106 | 1   | Tube            |            |          |             |            |                |
| 10   | 92058080 | 1   | Tube            |            |          |             |            |                |
| 11   | 92395466 | 1   | Adaptor         |            |          |             |            |                |
| 12   | 92354661 | 1   | Plug            |            |          |             |            |                |
| 13   | 92478569 | 1   | Connector       |            |          |             |            |                |
| 14   | 92777184 | 1   | Hose            |            |          |             |            |                |
| 15   | 92702778 | 1   | Bracket         |            |          |             |            |                |
| 16   | 92395458 | 1   | Elbow           |            |          |             |            |                |

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**7.4.25**

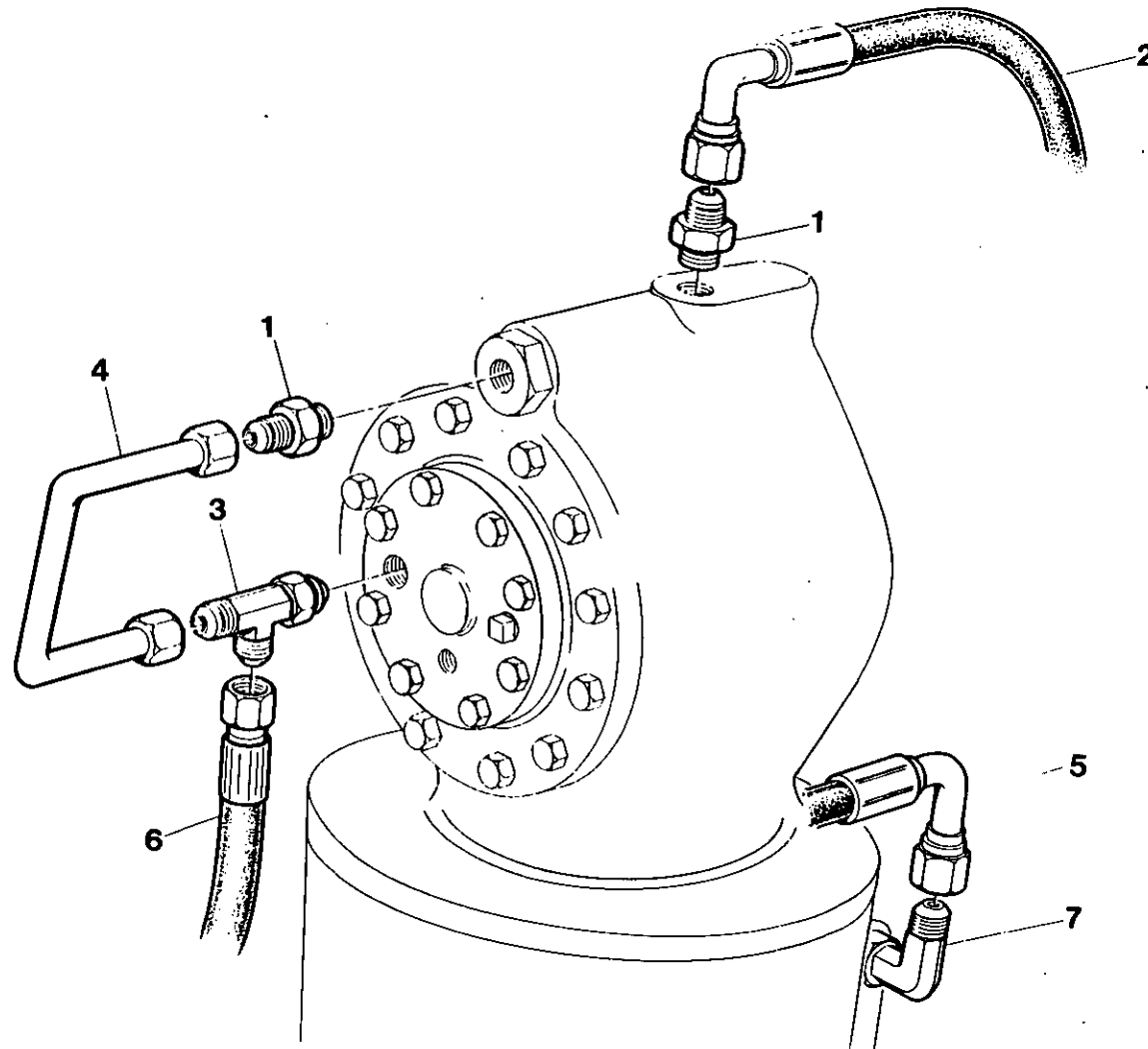
**INGERSOLL-RAND**



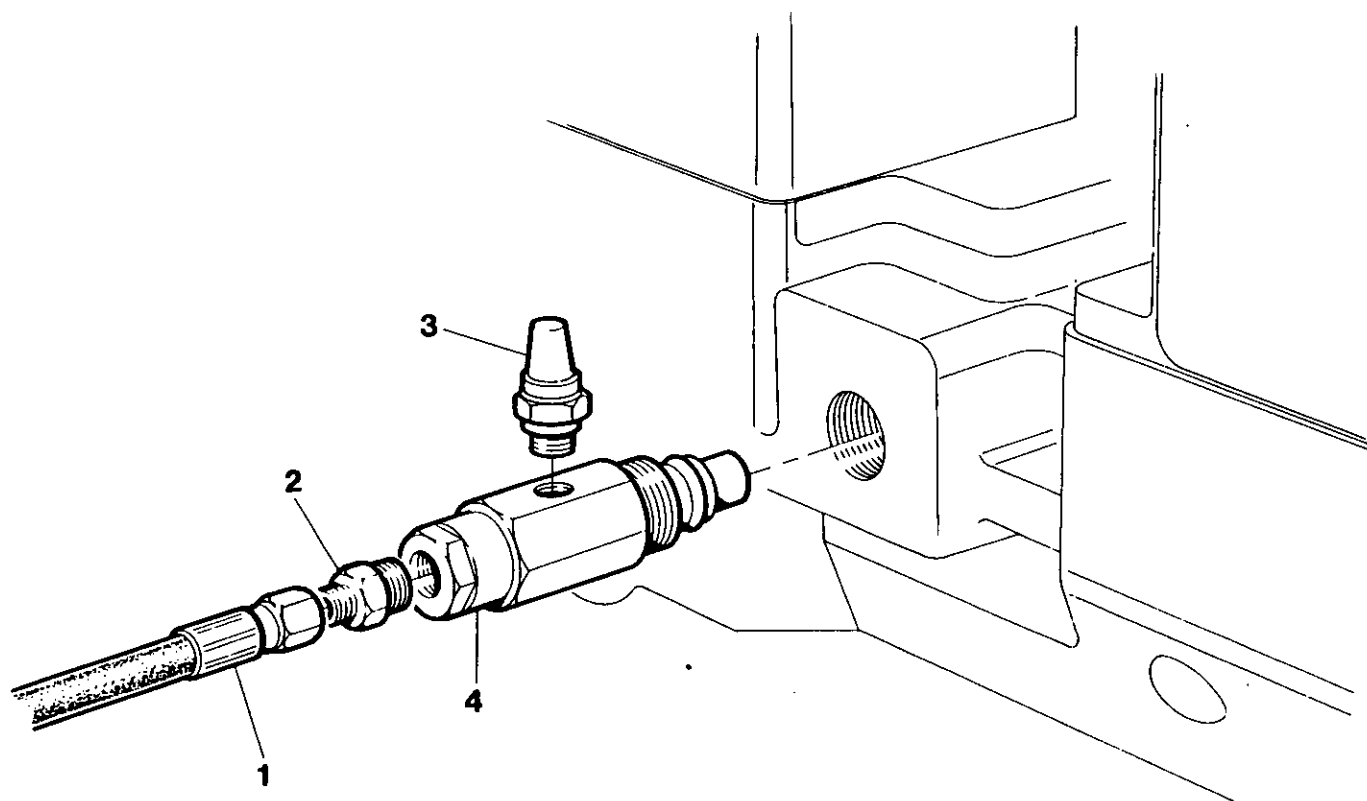
| Item | C.P.N.   | Qty | REGULATION | REGULATION | REGELUNG | REGOLAZIONE | REGULACION |
|------|----------|-----|------------|------------|----------|-------------|------------|
| 1    | 92681006 | 2   | Valve      |            |          |             |            |
| 2    | 92547777 | 1   | Valve      |            |          |             |            |
| 3    | 92520394 | 1   | Hose       |            |          |             |            |
| 4    | 92395433 | 3   | Elbow      |            |          |             |            |
| 5    | 92354521 | 1   | Nipple     |            |          |             |            |
| 6    | 92258714 | 1   | Tee        |            |          |             |            |
| 7    | 35301225 | 1   | Elbow      |            |          |             |            |
| 8    | 35279843 | 1   | Tee        |            |          |             |            |
| 9    | 92394295 | 1   | Reducer    |            |          |             |            |
| 10   | 92394352 | 1   | Nut        |            |          |             |            |
| 11   | 92058767 | 1   | Tube       |            |          |             |            |
| 12   | 92050335 | 1   | Pipe       |            |          |             |            |
| 13   | 92100957 | 3   | Tee        |            |          |             |            |
| 14   | 92100924 | 2   | Hose       |            |          |             |            |
| 15   | 92698299 | 1   | Tube       |            |          |             |            |
| 16   | 92690577 | 1   | Hose       |            |          |             |            |
| 17   | 92479674 | 1   | Adaptor    |            |          |             |            |
| 18   | 92547652 | 1   | Hose       |            |          |             |            |
| 19   | 92681402 | 1   | Tube       |            |          |             |            |
| 20   | 92649097 | 1   | Hose       |            |          |             |            |
| 21   | 35283084 | 1   | Tee        |            |          |             |            |
| 22   | 35283076 | 1   | Connector  |            |          |             |            |
| 23   | 92529378 | 1   | Hose       |            |          |             |            |
| 24   | 35283068 | 1   | Elbow      |            |          |             |            |
| 25   | 92708437 | 1   | Elbow      |            |          |             |            |
| 26   | 92520410 | 1   | Hose       |            |          |             |            |
| 27   | 92478569 | 1   | Adaptor    |            |          |             |            |
| 28   | 92441070 | 1   | Elbow      |            |          |             |            |
| 29   | 92681394 | 1   | Tube       |            |          |             |            |
| 30   | 92698315 | 1   | Tube       |            |          |             |            |
| 31   | 92698299 | 1   | Tube       |            |          |             |            |
| 32   | 92679570 | 1   | Tube       |            |          |             |            |

جهاز التنظيم

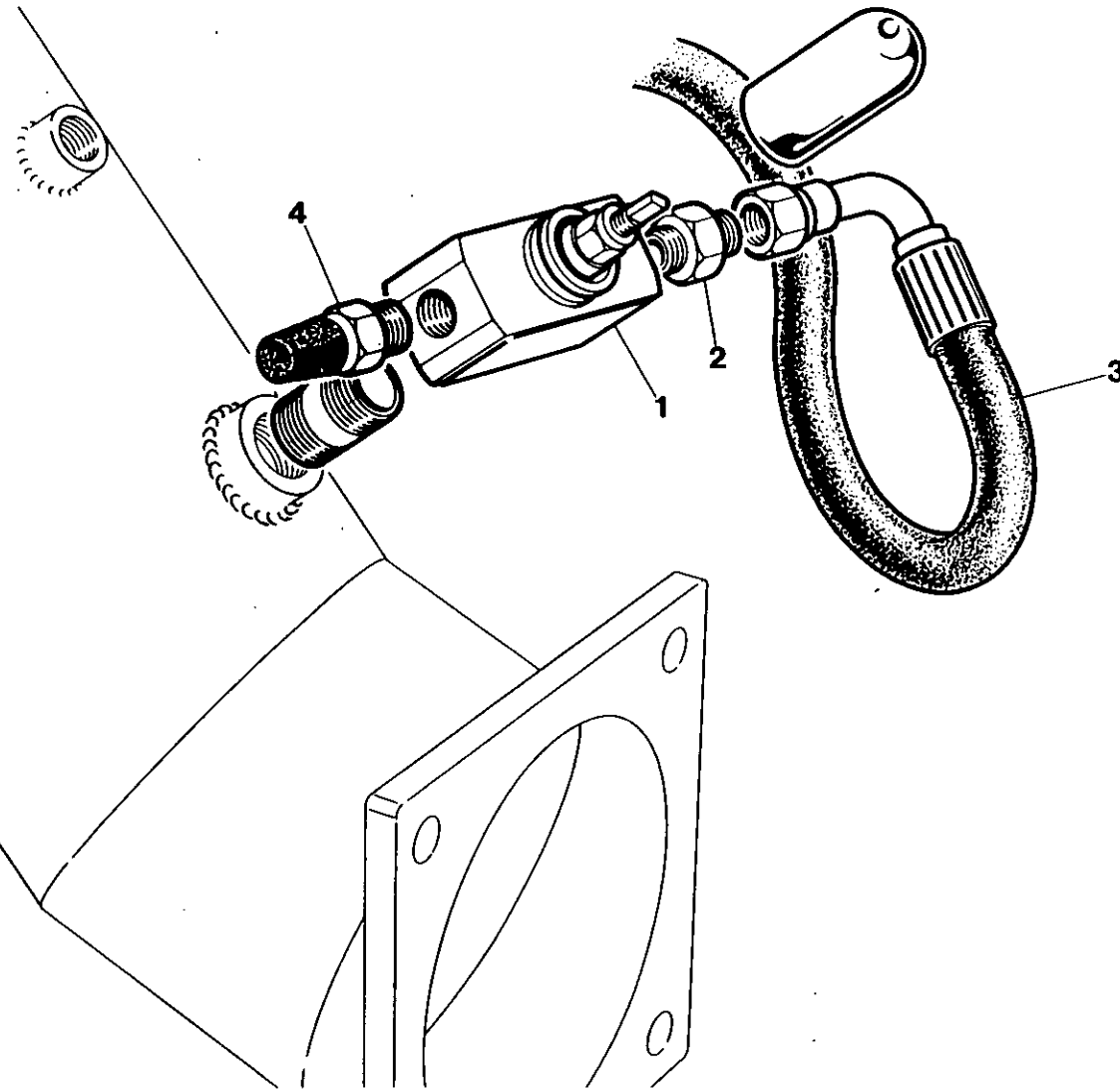




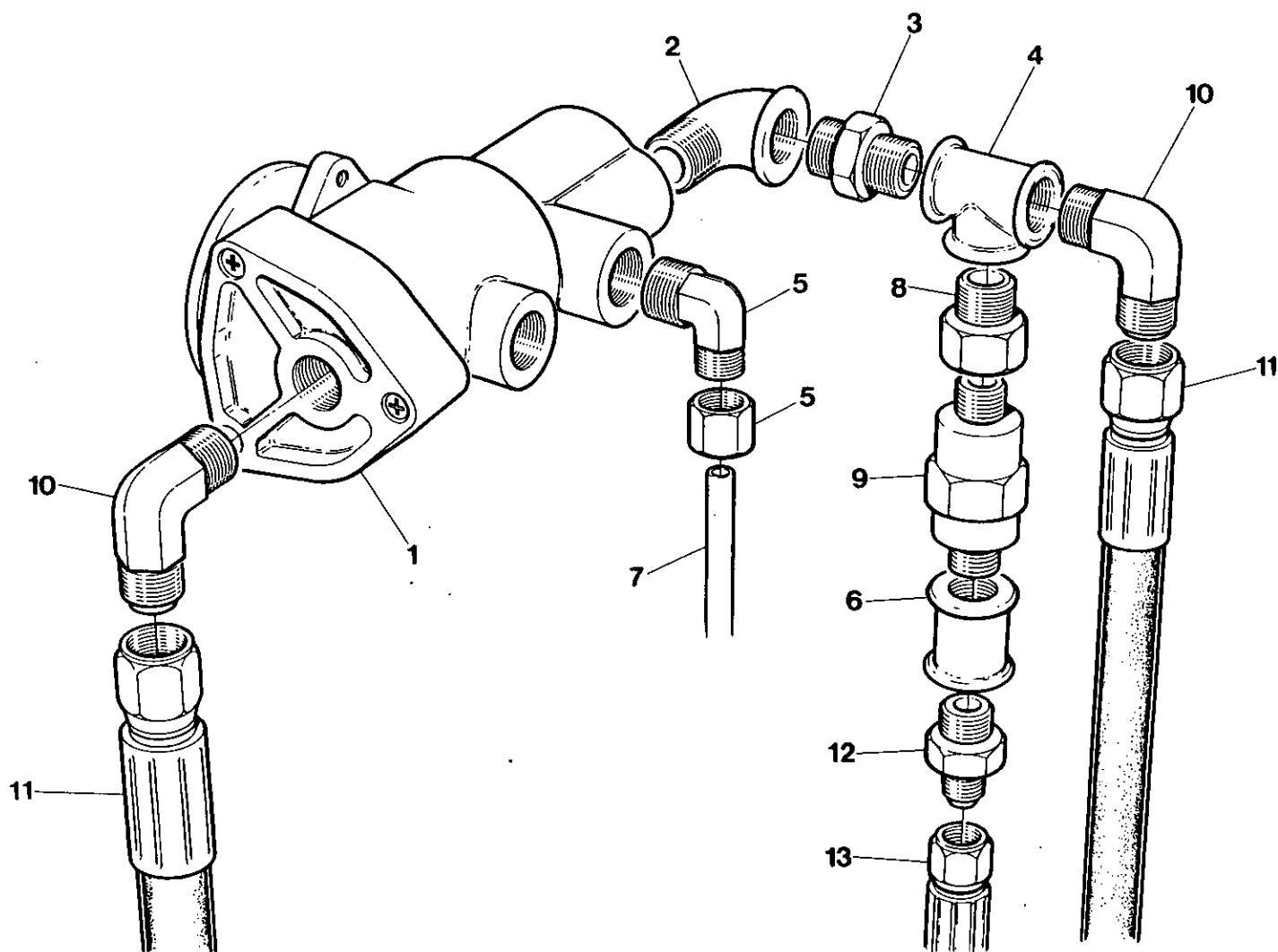
| Item | C.P.N.   | Qty | REGULATION | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|------------|------------|----------|-------------|------------|----------------|
| 1    | 35283076 | 1   | Connector  |            |          |             |            |                |
| 2    | 92049097 | 1   | Hose       |            |          |             |            |                |
| 3    | 35279850 | 1   | Tee        |            |          |             |            |                |
| 4    | 92058163 | 1   | Tube       |            |          |             |            |                |
| 5    | 92079474 | 1   | Hose       |            |          |             |            |                |
| 6    | 92520386 | 1   | Hose       |            |          |             |            |                |
| 7    | 35279827 | 1   | Elbow      |            |          |             |            |                |



| Item | C.P.N.   | Qty | REGULATION       | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|------------------|------------|----------|-------------|------------|----------------|
| 1    | 92547652 | 1   | Hose             |            |          |             |            |                |
| 2    | 92478569 | 1   | Adaptor          |            |          |             |            |                |
| 3    | 92089556 | 1   | Silencer         |            |          |             |            |                |
| 4    | 92546480 | 1   | Water Temp.Probe |            |          |             |            |                |

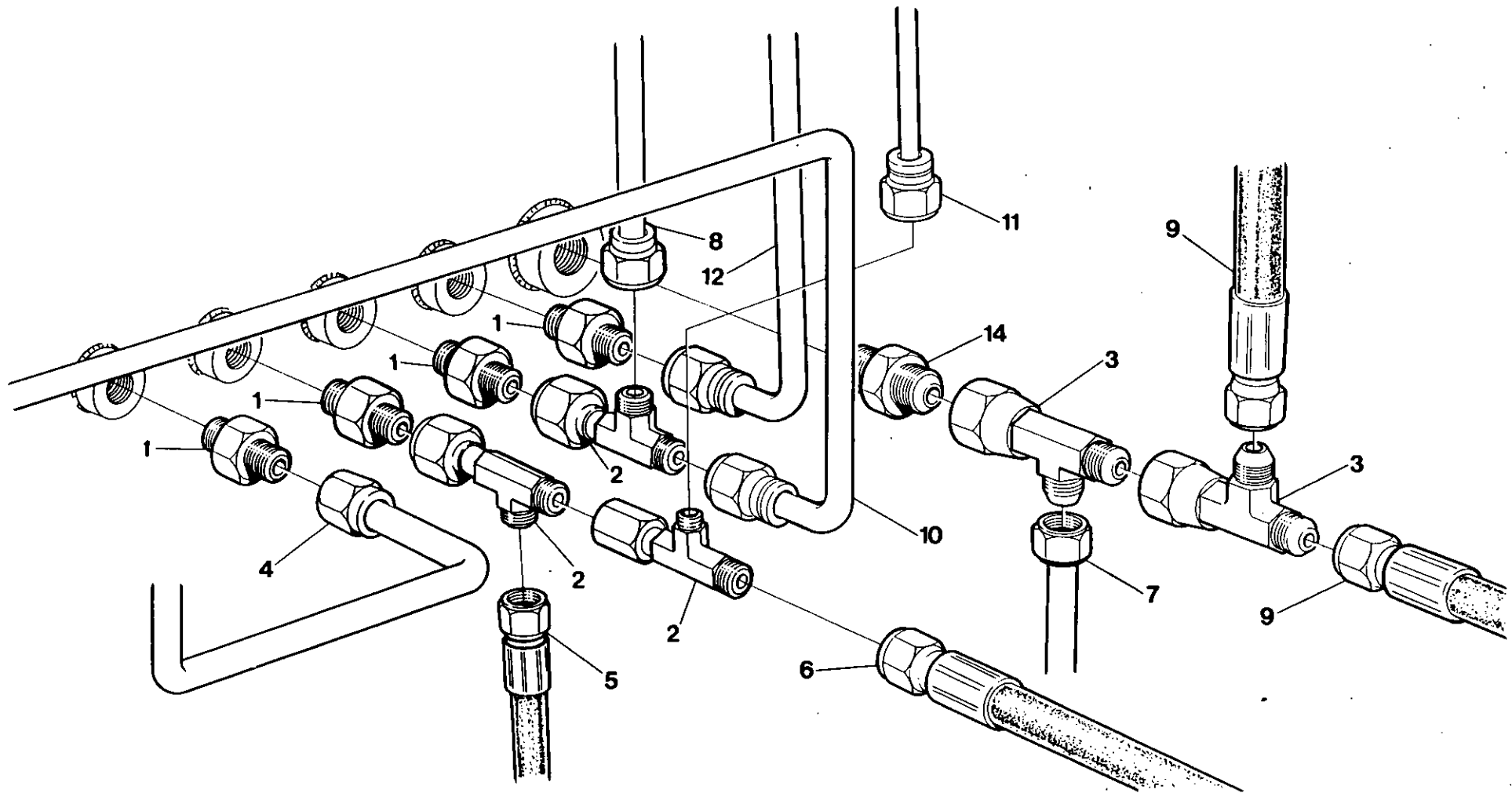


| Item | C.P.N.   | Qty | REGULATION | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|------------|------------|----------|-------------|------------|----------------|
| 1    | 92546472 | 1   | Probe      |            |          |             |            |                |
| 2    | 92478569 | 1   | Connector  |            |          |             |            |                |
| 3    | 92658004 | 1   | Hose       |            |          |             |            |                |
| 4    | 92089556 | 1   | Silencer   |            |          |             |            |                |



| Item | C.P.N.   | Qty  | REGULATION    | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|------|---------------|------------|----------|-------------|------------|----------------|
| 1    | 92657303 | 1    | Indicator     |            |          |             |            |                |
| 2    | 92354450 | 1    | Elbow         |            |          |             |            |                |
| 3    | 92005701 | 1    | Connector     |            |          |             |            |                |
| 4    | 92354729 | 1    | Tee           |            |          |             |            |                |
| 5    | 92067933 | 1    | Elbow         |            |          |             |            |                |
| 6    | 92258110 | 1    | Socket        |            |          |             |            |                |
| 7    | 92490358 | 0.5m | Tube          |            |          |             |            |                |
| 8    | 92354364 | 1    | Reducing Bush |            |          |             |            |                |
| 9    | 92547777 | 1    | Valve         |            |          |             |            |                |
| 10   | 92395458 | 6    | Elbow         |            |          |             |            |                |
| 11   | 92547652 | 2    | Hose          |            |          |             |            |                |
| 12   | 92479674 | 1    | Connector     |            |          |             |            |                |
| 13   | 92100924 | 1    | Hose          |            |          |             |            |                |





| Item | C.P.N.   | Qty | REGULATION | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|------------|------------|----------|-------------|------------|----------------|
| 1    | 92479674 | 4   | Connector  |            |          |             |            |                |
| 2    | 92100957 | 3   | Tee        |            |          |             |            |                |
| 3    | 35283084 | 2   | Tee        |            |          |             |            |                |
| 4    | 92681477 | 1   | Tube       |            |          |             |            |                |
| 5    | 92520394 | 1   | Hose       |            |          |             |            |                |
| 6    | 92547637 | 1   | Hose       |            |          |             |            |                |
| 7    | 92698307 | 1   | Tube       |            |          |             |            |                |
| 8    | 92698331 | 1   | Tube       |            |          |             |            |                |
| 9    | 92547652 | 2   | Hose       |            |          |             |            |                |
| 10   | 92679562 | 1   | Tube       |            |          |             |            |                |
| 11   | 92681394 | 1   | Tube       |            |          |             |            |                |
| 12   | 92679562 | 1   | Tube       |            |          |             |            |                |

REGULATION

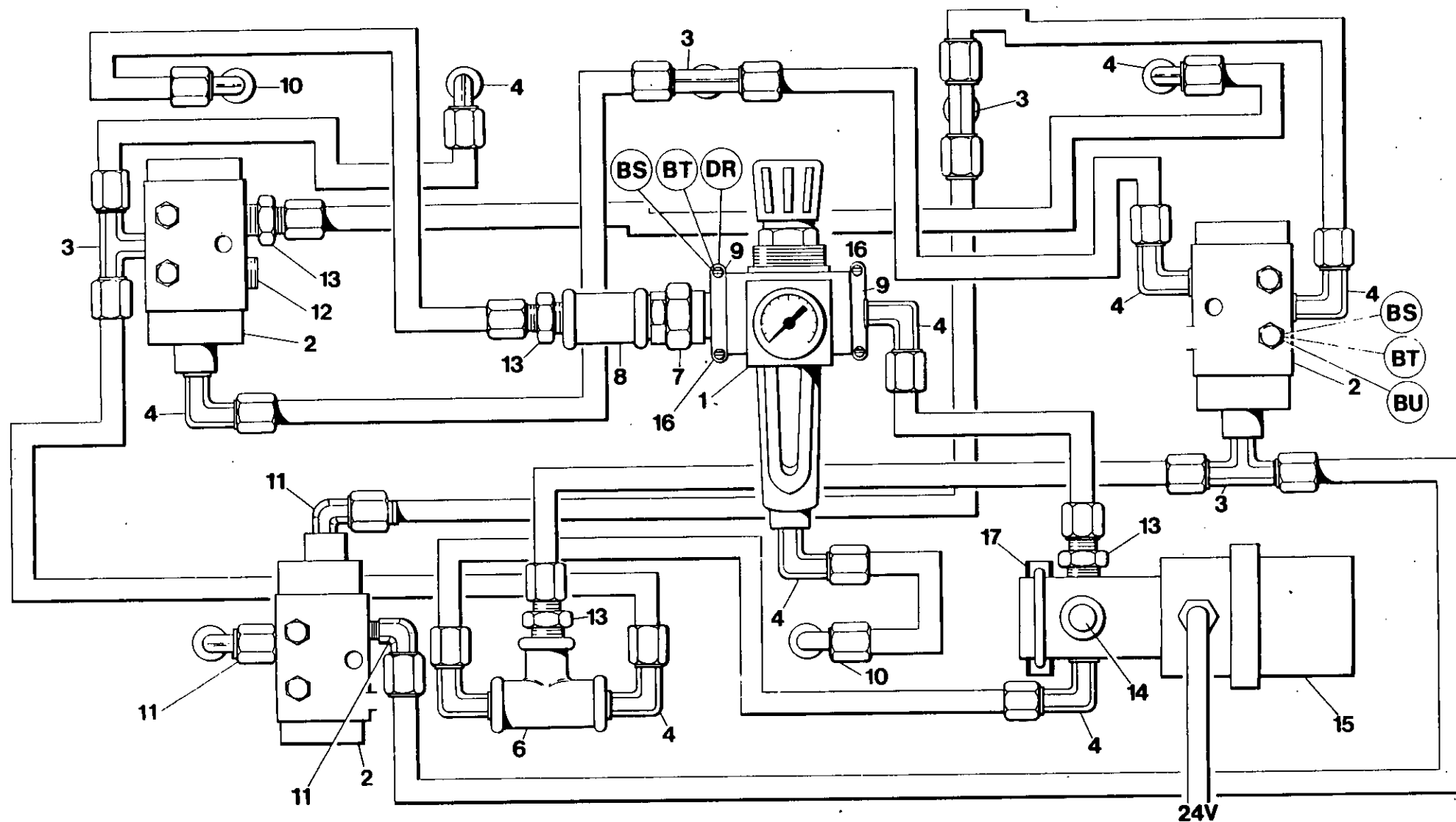
REGULATION

REGELUNG

REGOLAZIONE

REGULACION

جهاز التنظيم

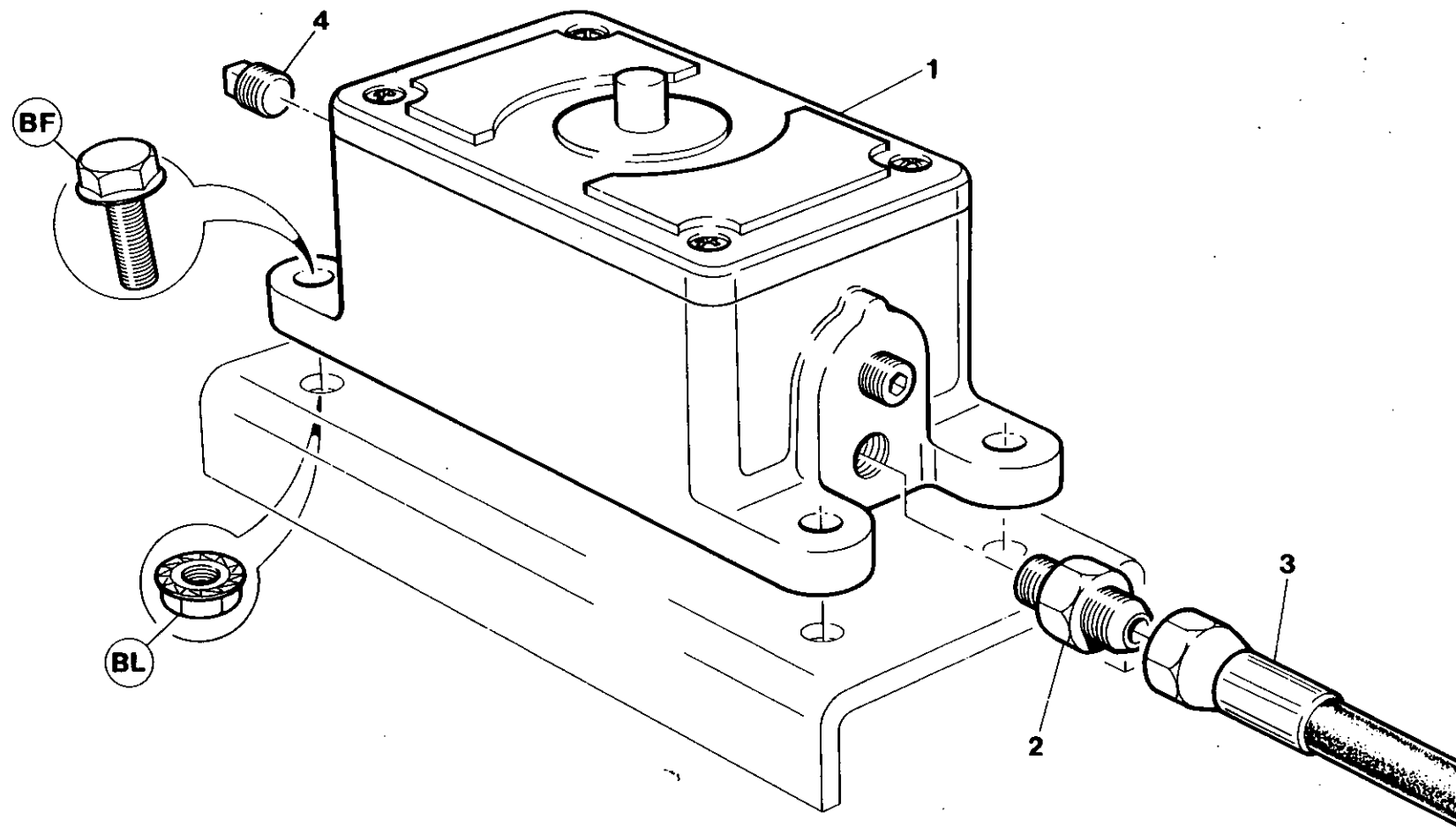


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INGERSOLL-RAND

| Item | C.P.N.   | Qty | REGULATION                | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|---------------------------|------------|----------|-------------|------------|----------------|
| 1    | 92547769 | 1   | Filter/Regulator          |            |          |             |            |                |
| 2    | 92547736 | 3   | Pitot Valve               |            |          |             |            |                |
| 3    | 92029644 | 4   | Tee                       |            |          |             |            |                |
| 4    | 92067958 | 9   | Elbow                     |            |          |             |            |                |
| 5    | 92478569 | 1   | Connector                 |            |          |             |            |                |
| 6    | 92258714 | 1   | Tee                       |            |          |             |            |                |
| 7    | 92547777 | 1   | Check Valve               |            |          |             |            |                |
| 8    | 92258110 | 1   | Socket                    |            |          |             |            |                |
| 9    | 92661768 | 2   | Bracket                   |            |          |             |            |                |
| 10   | 92067933 | 2   | Elbow                     |            |          |             |            |                |
| 11   | 92395433 | 3   | Elbow                     |            |          |             |            |                |
| 12   | 92354653 | 1   | Plug                      |            |          |             |            |                |
| 13   | 92029651 | 3   | Connector                 |            |          |             |            |                |
| 14   | 92549278 | 1   | Silencer                  |            |          |             |            |                |
| 15   | 92677475 | 1   | Yellow Alert Harness 24v  |            |          |             |            |                |
| 15   | 92662329 | 1   | Yellow Alert Harness 110v |            |          |             |            |                |
| 16   | 92661776 | 2   | Wall Mount Kit            |            |          |             |            |                |
| 17   |          | 1   | Clamp                     |            |          |             |            |                |



| Item | C.P.N.   | Qty | REGULATION      | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم |
|------|----------|-----|-----------------|------------|----------|-------------|------------|--------------|
| 1    | 92546761 | 1   | Vibration Valve |            |          |             |            |              |
| 2    | 92478569 | 1   | Connector       |            |          |             |            |              |
| 3    | 92547652 | 1   | Hose            |            |          |             |            |              |
| 4    | 92354661 | 1   | Plug            |            |          |             |            |              |

REGULATION

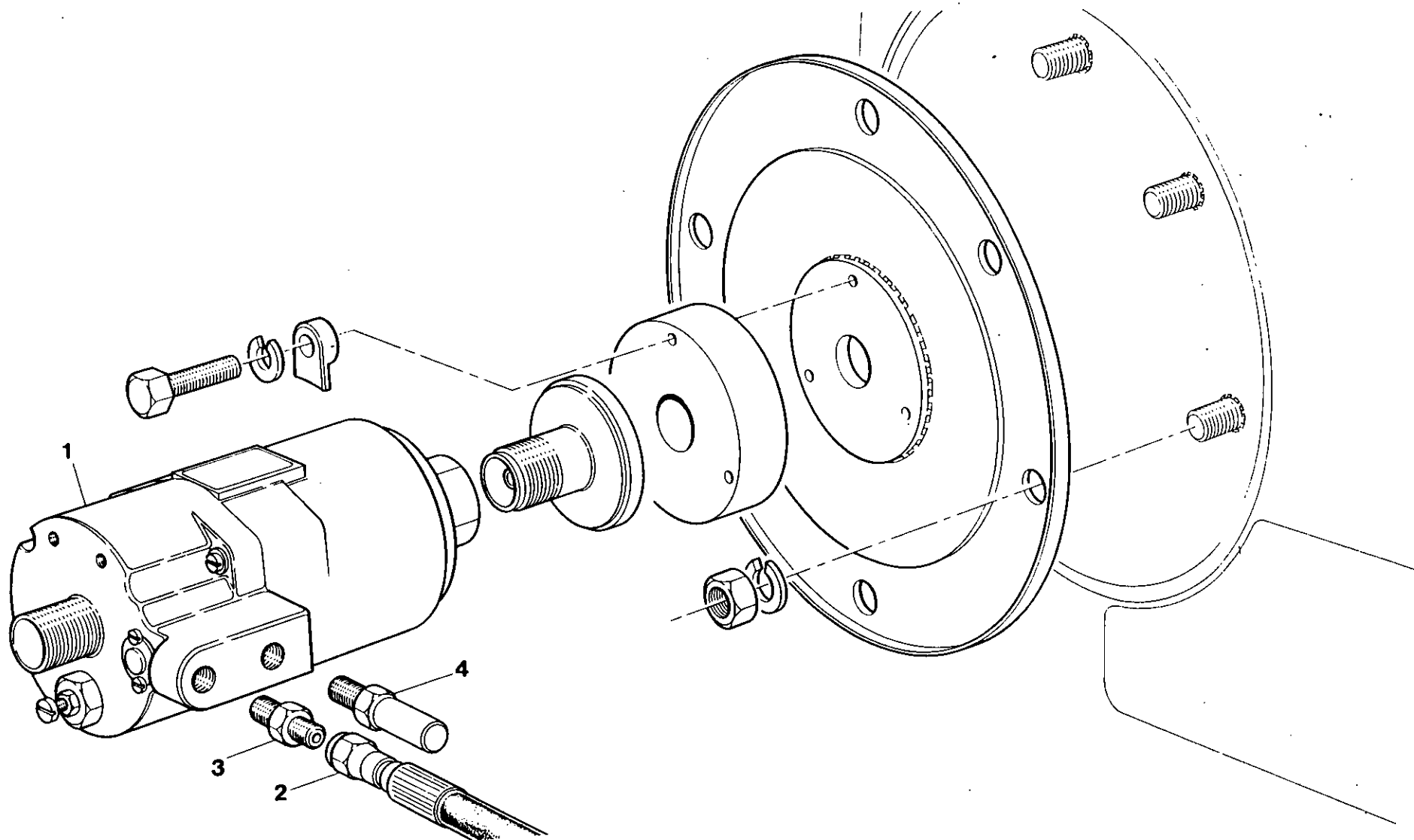
REGULATION

REGELUNG

REGOLAZIONE

REGULACION

جهاز التنظيم

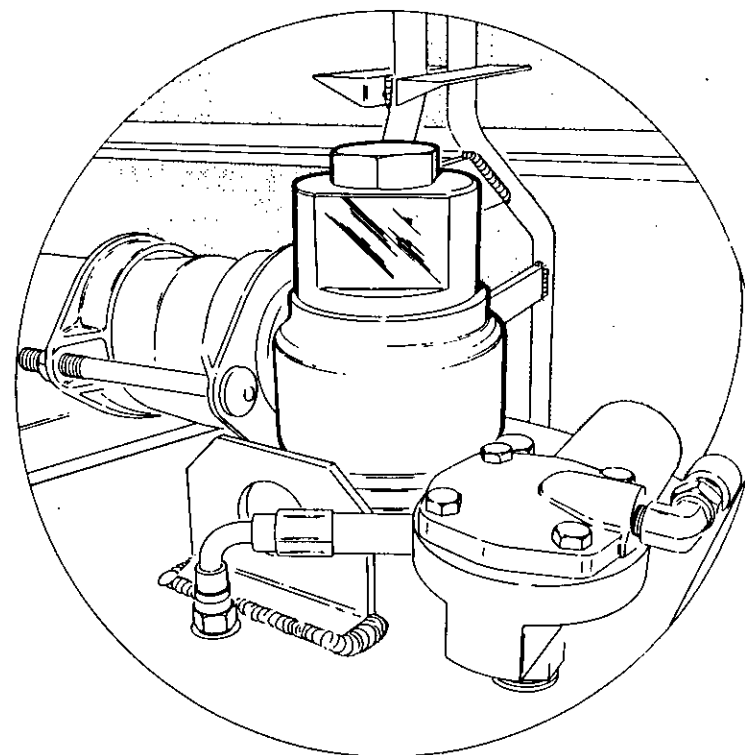
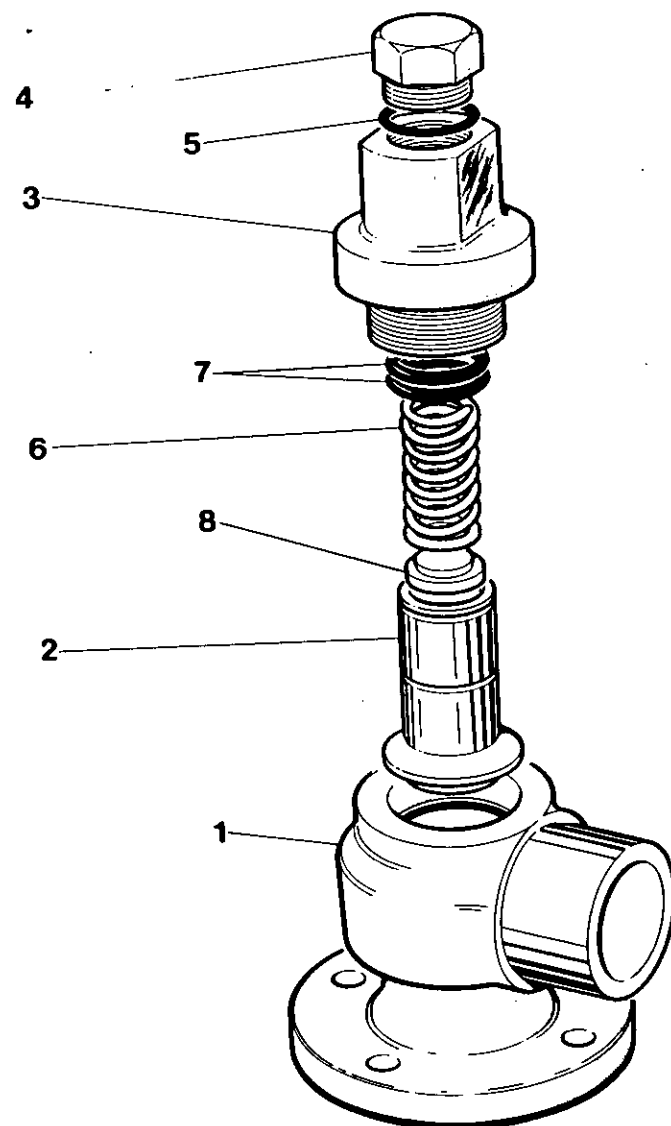


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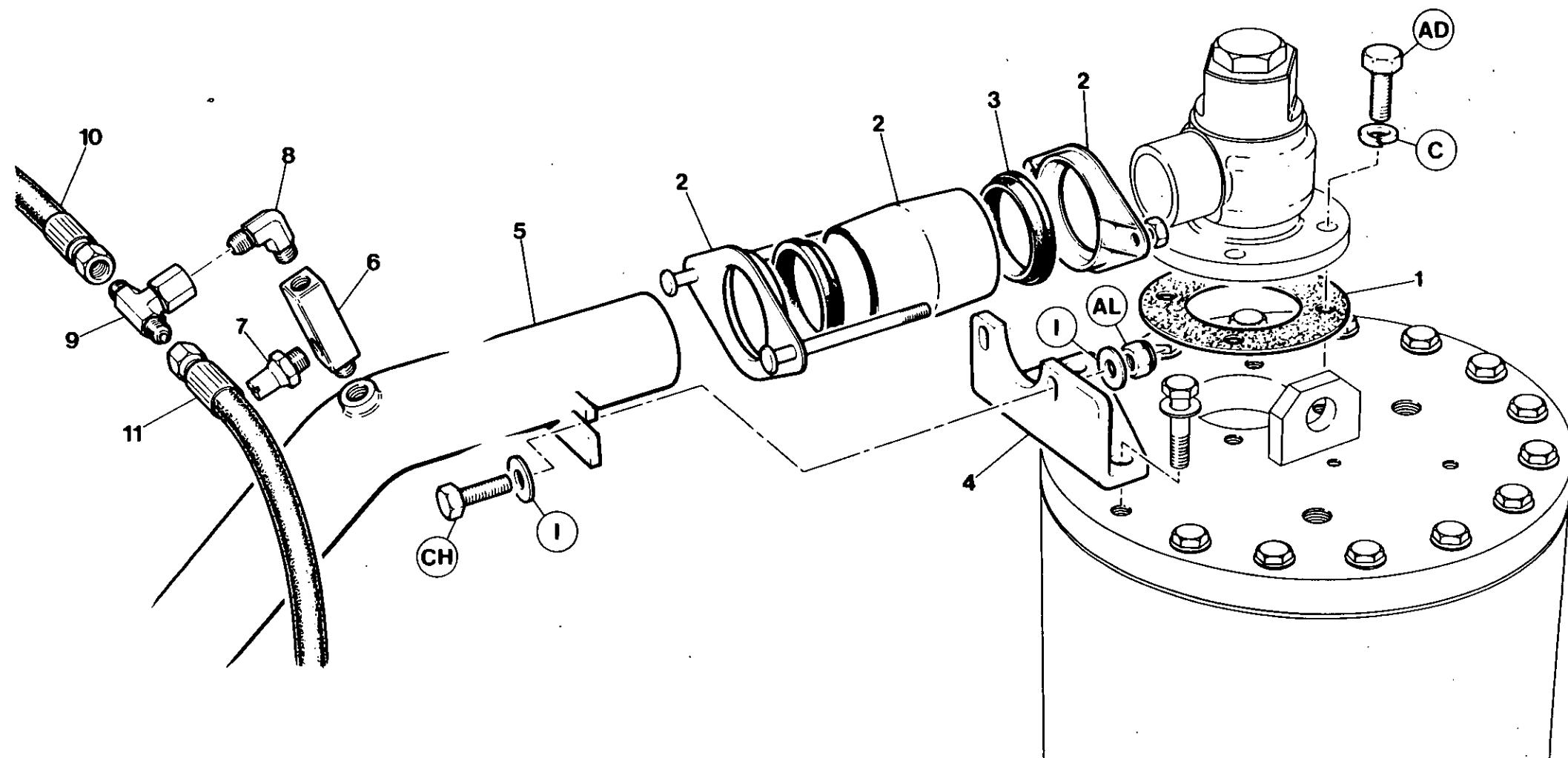
INGERSOLL-RAND

| Item | C.P.N.   | Qty | REGULATION      | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم |
|------|----------|-----|-----------------|------------|----------|-------------|------------|--------------|
| 1    | 92546753 | 1   | Overspeed Valve |            |          |             |            |              |
| 2    | 92520428 | 1   | Hose            |            |          |             |            |              |
| 3    | 92478569 | 1   | Connector       |            |          |             |            |              |
| 4    | 92089556 | 1   | Silencer        |            |          |             |            |              |





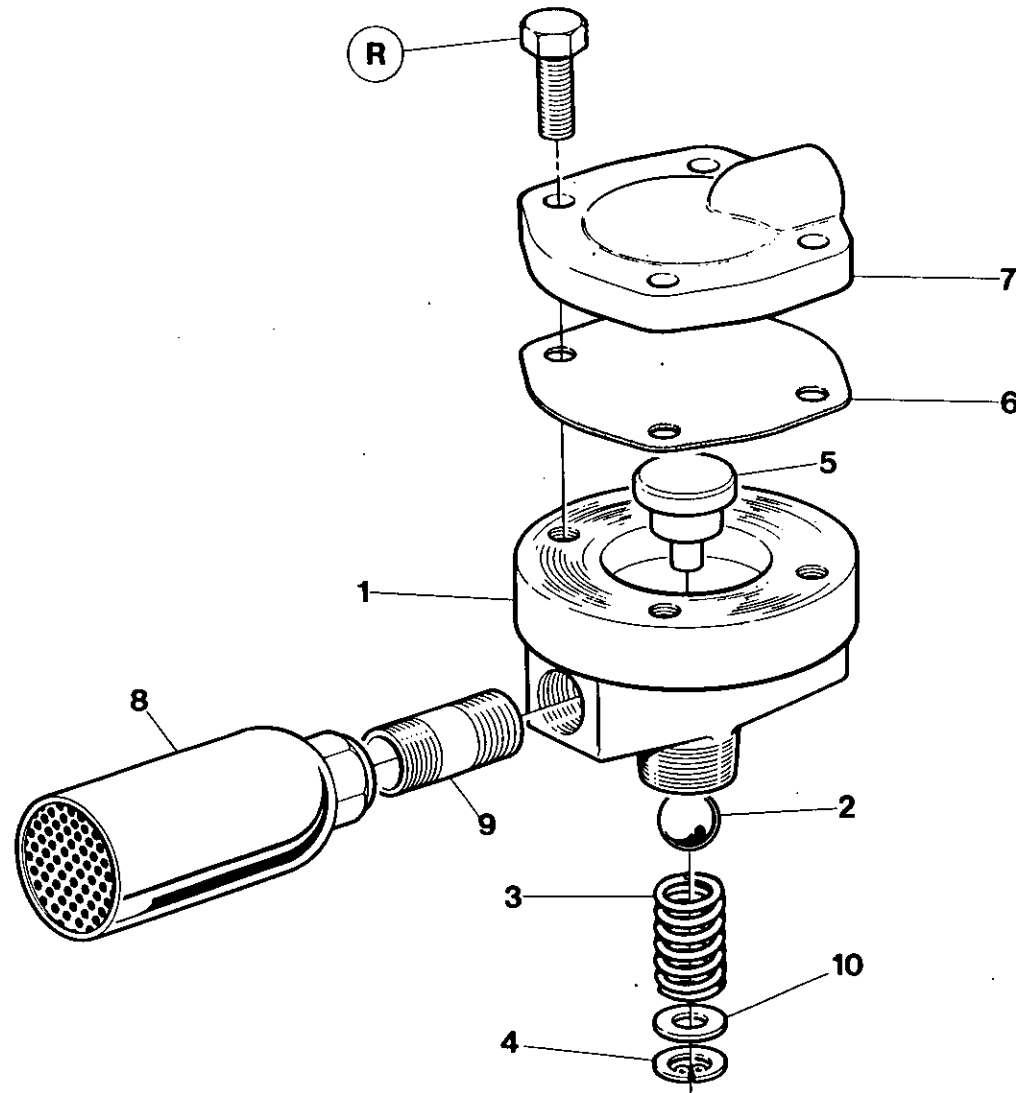
| Item  | C.P.N.   | Qty | REGULATION                     | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|-------|----------|-----|--------------------------------|------------|----------|-------------|------------|----------------|
| (1-7) | 92062041 | 1   | Minimum Pressure<br>Valve Assy |            |          |             |            |                |
| 1     | 92061936 | 1   | Body                           |            |          |             |            |                |
| 2     | 92044098 | 1   | Piston                         |            |          |             |            |                |
| 3     | 92061944 | 1   | Housing                        |            |          |             |            |                |
| 4     | 35579630 | 1   | Plug                           |            |          |             |            |                |
| 5     | 35279942 | 1   | O-Ring                         |            |          |             |            |                |
| 6     | 35318161 | 1   | Spring                         |            |          |             |            |                |
| 7     | 95823688 | 2   | O-Ring                         |            |          |             |            |                |
| 8     | 92032648 | 1   | Spacer                         |            |          |             |            |                |



| Item | C.P.N.   | Qty | REGULATION | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|------------|------------|----------|-------------|------------|----------------|
| 1    | 35575471 | 1   | Gasket     |            |          |             |            |                |
| 2    | 92039056 | 1   | Coupling   |            |          |             |            |                |
| 3    | 92039049 | 2   | Seal       |            |          |             |            |                |
| 4    | 92048990 | 1   | Bracket    |            |          |             |            |                |
| 5    | 92700566 | 1   | Pipe       |            |          |             |            |                |
| 6    | 92546464 | 1   | Valve      |            |          |             |            |                |
| 7    | 92089556 | 1   | Silencer   |            |          |             |            |                |
| 8    | 92395458 | 1   | Elbow      |            |          |             |            |                |
| 9    | 92109875 | 1   | Tee        |            |          |             |            |                |
| 10   | 92658004 | 1   | Hose       |            |          |             |            |                |
| 11   | 92547637 | 1   | Hose       |            |          |             |            |                |

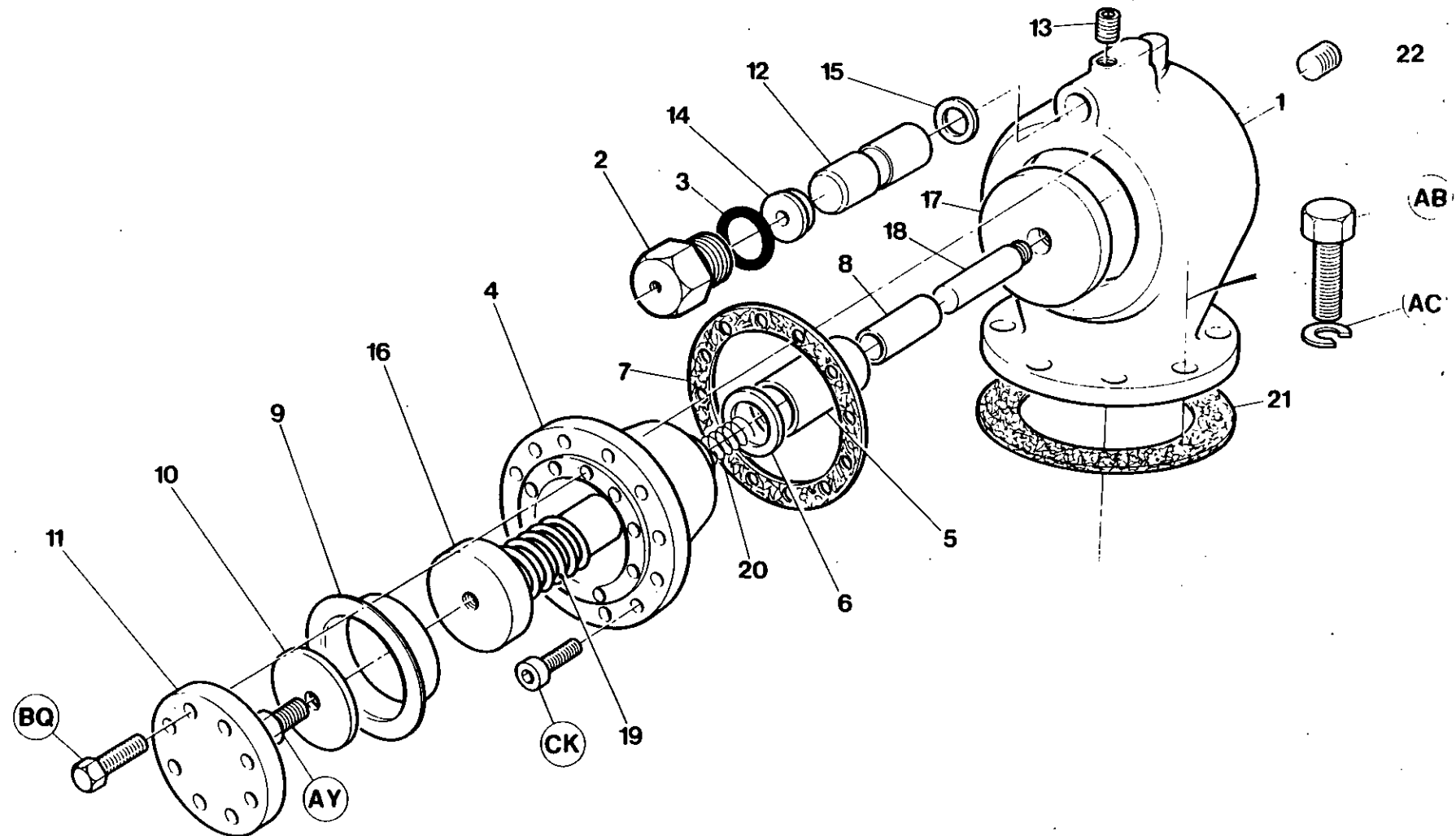


| Item | C.P.N.   | Qty | REGULATION | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم |
|------|----------|-----|------------|------------|----------|-------------|------------|--------------|
| 1    | 92540772 | 1   | Outlet     |            |          |             |            |              |
| 2    | 92039239 | 2   | Stud       |            |          |             |            |              |
| 3    | 92700566 | 1   | Pipe       |            |          |             |            |              |
| 4    | 92039056 | 1   | Coupling   |            |          |             |            |              |
| 5    | 92039049 | 2   | Seal       |            |          |             |            |              |



| Item  | C.P.N.   | Qty | REGULATION               | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|-------|----------|-----|--------------------------|------------|----------|-------------|------------|----------------|
| (1-7) | 92035898 | 1   | Auto Blowdown Valve Assy |            |          |             |            |                |
| 1     | 92042951 | 1   | Body                     |            |          |             |            |                |
| 2     | 92251982 | 1   | Ball                     |            |          |             |            |                |
| 3     | 30865315 | 1   | Spring                   |            |          |             |            |                |
| 4     | 92257641 | 1   | Retaining Ring           |            |          |             |            |                |
| 5     | 35201565 | 1   | Piston                   |            |          |             |            |                |
| 6     | 35192129 | 1   | Diaphragm                |            |          |             |            |                |
| 7     | 35192145 | 1   | Cover                    |            |          |             |            |                |
| 8     | 92513183 | 1   | Silencer                 |            |          |             |            |                |
| 9     | 92354547 | 1   | Nipple                   |            |          |             |            |                |
| 10    | 30345508 | 1   | Washer                   |            |          |             |            |                |





| Item   | C.P.N.   | Qty | REGULATION          | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|--------|----------|-----|---------------------|------------|----------|-------------|------------|----------------|
| (1-20) | 35072222 | 1   | Unloader Valve Assy |            |          |             |            |                |
| 1      | 36722452 | 1   | Body                |            |          |             |            |                |
| 2      | 35328236 | 1   | Adaptor             |            |          |             |            |                |
| 3      | 95765806 | 2   | O-Ring              |            |          |             |            |                |
| 4      | 36722460 | 1   | Housing             |            |          |             |            |                |
| 5      | 35328228 | 1   | Bush                |            |          |             |            |                |
| 6      | 35328244 | 1   | Seal                |            |          |             |            |                |
| 7      | 35328251 | 1   | Gasket              |            |          |             |            |                |
| 8      | 35328269 | 1   | Bush                |            |          |             |            |                |
| 9      | 35592534 | 1   | Diaphragm           |            |          |             |            |                |
| 10     | 35327204 | 1   | Washer              |            |          |             |            |                |
| 11     | 35591189 | 1   | Cover               |            |          |             |            |                |
| 12     | 35328210 | 1   | Valve               |            |          |             |            |                |
| 13     | 95263190 | 1   | Plug                |            |          |             |            |                |
| 14     | 35331578 | 1   | Grommet             |            |          |             |            |                |
| 15     | 35331586 | 1   | Grommet             |            |          |             |            |                |
| 16     | 35591163 | 1   | Piston              |            |          |             |            |                |
| 17     | 35591171 | 1   | Inlet Valve         |            |          |             |            |                |
| 18     | 35332006 | 1   | Valve Stem          |            |          |             |            |                |
| 19     | 35332683 | 1   | Spring              |            |          |             |            |                |
| 20     | 35332691 | 1   | Spring              |            |          |             |            |                |
| 21     | 95214524 | 1   | Gasket              |            |          |             |            |                |
| 22     | 92257401 | 1   | Plug                |            |          |             |            |                |

REGULATION

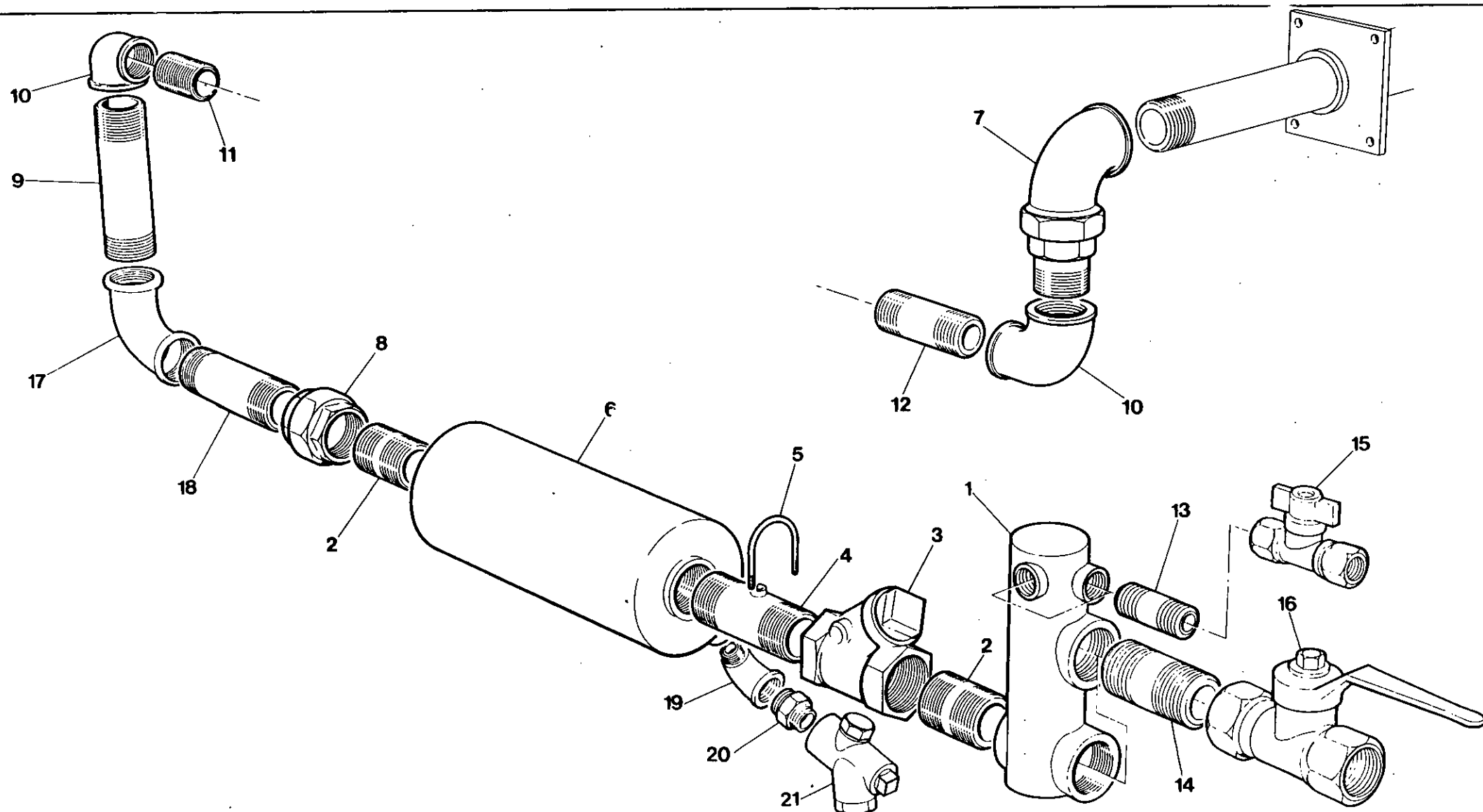
REGULATION

REGELUNG

REGOLAZIONE

REGULACION

جهاز التنظيم

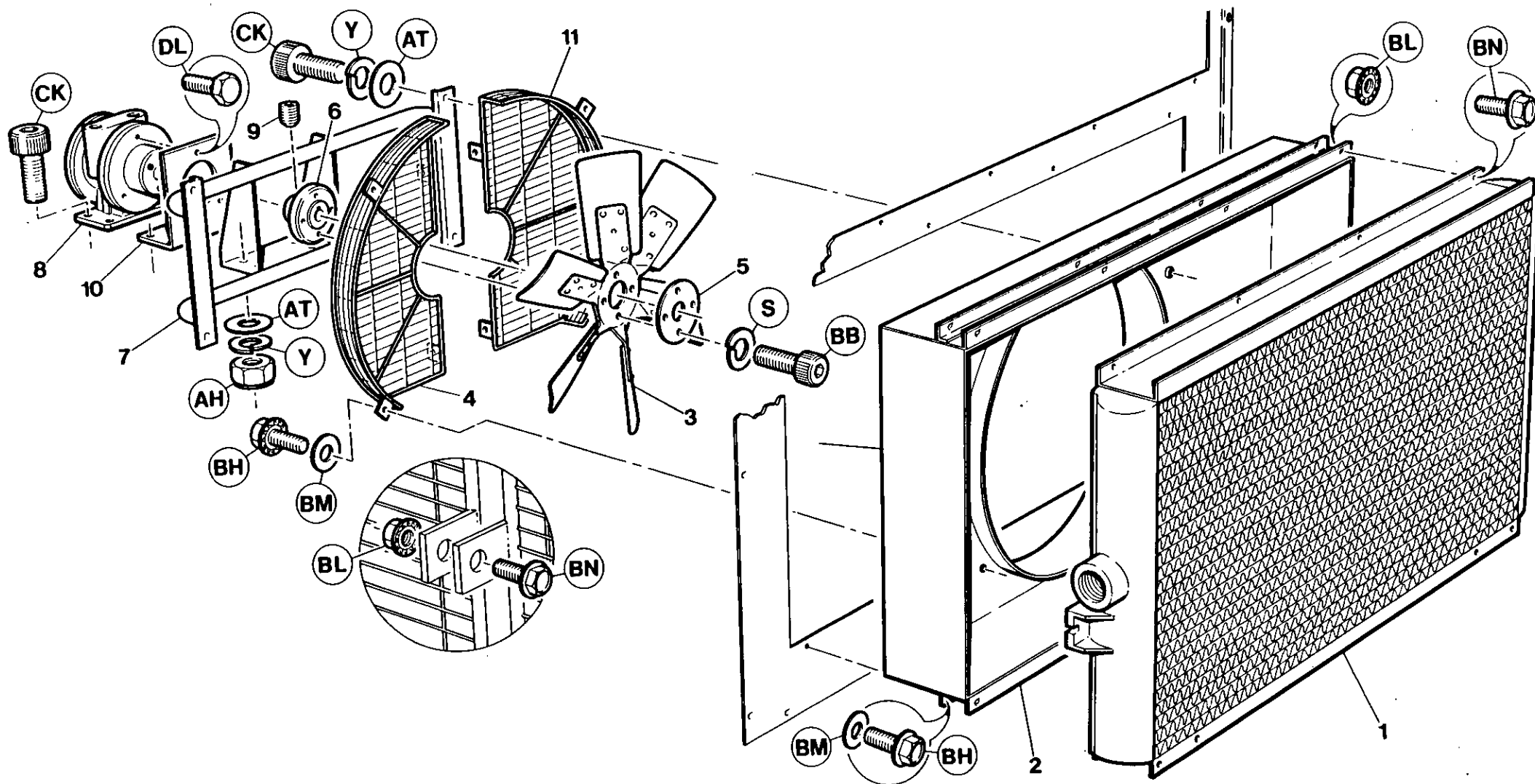


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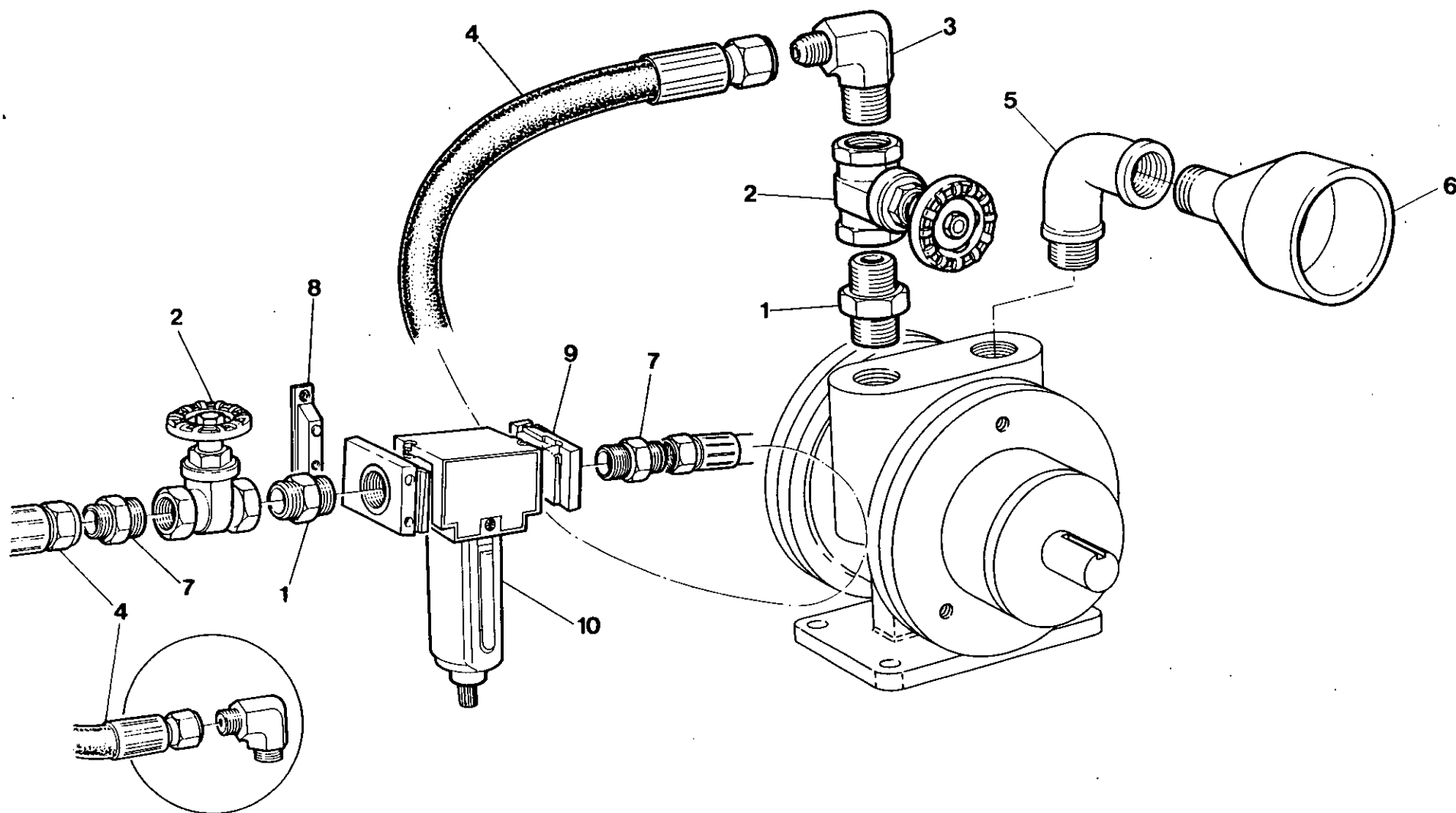
Rev. 1 10/88

INGERSOLL-RAND

| Item | C.P.N.   | Qty | REGULATION           | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|----------------------|------------|----------|-------------|------------|----------------|
| 1    | 92725506 | 1   | Manifold             |            |          |             |            |                |
| 2    | 92010446 | 2   | Nipple               |            |          |             |            |                |
| 3    | 92546290 | 1   | Check Valve          |            |          |             |            |                |
| 4    | 92544634 | 1   | Nipple               |            |          |             |            |                |
| 5    | 92658137 | 2   | U Bolt               |            |          |             |            |                |
| 6    | 92657477 | 1   | Separator/Water Trap |            |          |             |            |                |
| 7    | 92660661 | 1   | Elbow                |            |          |             |            |                |
| 8    | 92365923 | 1   | Union                |            |          |             |            |                |
| 9    |          | 1   | Pipe                 |            |          |             |            |                |
| 10   | 92292812 | 2   | Elbow                |            |          |             |            |                |
| 11   | 92665512 | 1   | Nipple               |            |          |             |            |                |
| 12   | 92686997 | 1   | Nipple               |            |          |             |            |                |
| 13   | 92255934 | 2   | Nipple               |            |          |             |            |                |
| 14   | 92255942 | 2   | Nipple               |            |          |             |            |                |
| 15   | 92294461 | 2   | Valve                |            |          |             |            |                |
| 16   | 92530047 | 2   | Valve                |            |          |             |            |                |
| 17   | 92008580 | 1   | Elbow                |            |          |             |            |                |
| 18   | 92367622 | 1   | Nipple               |            |          |             |            |                |
| 19   | 92341767 | 1   | Elbow                |            |          |             |            |                |
| 20   | 92754431 | 1   | Nipple               |            |          |             |            |                |
| 21   | 92754092 | 1   | Autodrain            |            |          |             |            |                |

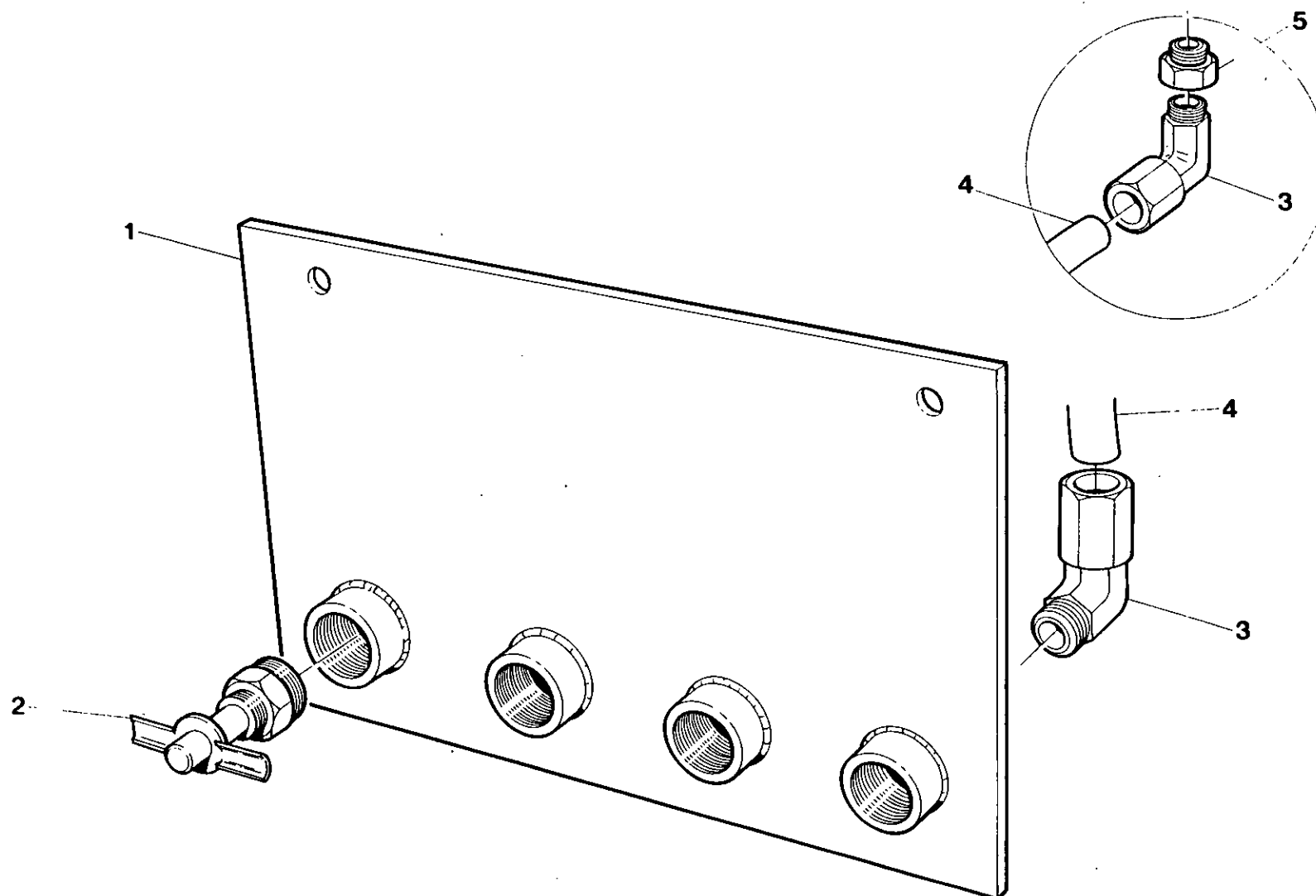


| Item | C.P.N.   | Qty | REGULATION  | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|-----|-------------|------------|----------|-------------|------------|----------------|
| 1    | 92539394 | 1   | Aftercooler |            |          |             |            |                |
| 2    | 92666171 | 1   | Shroud      |            |          |             |            |                |
| 3    | 92101286 | 1   | Fan         |            |          |             |            |                |
| 4    | 92666189 | 1   | Guard LH    |            |          |             |            |                |
| 5    | 92123264 | 1   | Retainer    |            |          |             |            |                |
| 6    | 92714674 | 1   | Hub         |            |          |             |            |                |
| 7    | 92666163 | 1   | Support     |            |          |             |            |                |
| 8    | 01204015 | 1   | Motor       |            |          |             |            |                |
| 9    | 92117761 | 2   | Grubscrew   |            |          |             |            |                |
| 10   | 92714690 | 1   | Bracket     |            |          |             |            |                |
| 11   | 92762764 | 1   | Guard R.H.  |            |          |             |            |                |



| Item | C.P.N.   | Qty | COOLING SYSTEM    | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد |
|------|----------|-----|-------------------|-------------------------------|------------|------------------------------|-----------------------------|--------------|
| 1    | 92679125 | 2   | Orifice           |                               |            |                              |                             |              |
| 2    | 92043116 | 2   | Valve             |                               |            |                              |                             |              |
| 3    | 92478288 | 1   | Elbow             |                               |            |                              |                             |              |
| 4    | 92658012 | 2   | Hose              |                               |            |                              |                             |              |
| 5    | 92354513 | 1   | Elbow             |                               |            |                              |                             |              |
| 6    | 03607504 | 1   | Muffler           |                               |            |                              |                             |              |
| 7    | 92478270 | 2   | Connector         |                               |            |                              |                             |              |
| 8    | 92754118 | 2   | Wall Mounting Kit |                               |            |                              |                             |              |
| 9    | 92754100 | 2   | Port Block Kit    |                               |            |                              |                             |              |
| 10   | 92679133 | 1   | Lubricator        |                               |            |                              |                             |              |





| Item | C.P.N.   | Qty  | REGULATION      | REGULATION | REGELUNG | REGOLAZIONE | REGULACION | جهاز التنظيم : |
|------|----------|------|-----------------|------------|----------|-------------|------------|----------------|
| 1    | 92752260 | 1    | Drains Manifold |            |          |             |            |                |
| 2    | 92258706 | 4    | Cock            |            |          |             |            |                |
| 3    | 92067958 | 8    | Elbow           |            |          |             |            |                |
| 4    | 92490358 | 4.5m | Nylon Tube      |            |          |             |            |                |
| 5    | 92252725 | 3    | Reducer         |            |          |             |            |                |

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**INGERSOLL-RAND**



| Item    | C.P.N.   | Qty | COOLING SYSTEM  | SYSTEME DE<br>REFROIDISSEMENT | KUHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد |
|---------|----------|-----|-----------------|-------------------------------|------------|------------------------------|-----------------------------|--------------|
| 1       | 92546258 | 1   | Support         |                               |            |                              |                             |              |
| 2       | 92065408 | 1   | Housing         |                               |            |                              |                             |              |
| 3       | 92680370 | 1   | Shaft           |                               |            |                              |                             |              |
| 4       | 92064559 | 2   | Bearing         |                               |            |                              |                             |              |
| 5       | 35280353 | 2   | Retaining Ring  |                               |            |                              |                             |              |
| 6       | 92680776 | 2   | Retainer        |                               |            |                              |                             |              |
| 7       | 92409671 | 1   | Plate           |                               |            |                              |                             |              |
| 8       | 92517754 | 1   | Fan             |                               |            |                              |                             |              |
| 8a      | 92654383 | 16  | Fan Blade       |                               |            |                              |                             |              |
| 9       | 92680404 | 1   | Pulley          |                               |            |                              |                             |              |
| 10      | 92680396 | 1   | Pulley          |                               |            |                              |                             |              |
| 11      | 92546936 | 1   | Belt            |                               |            |                              |                             |              |
| 12      | 92680768 | 2   | Spacer          |                               |            |                              |                             |              |
| 13      | 92680743 | 2   | Spacer          |                               |            |                              |                             |              |
| 14      | 92531490 | 1   | Pulley          |                               |            |                              |                             |              |
| 15      | 92049899 | 1   | Arm             |                               |            |                              |                             |              |
| 16      | 92049915 | 1   | Pin             |                               |            |                              |                             |              |
| 17      | 92256759 | 1   | Pin             |                               |            |                              |                             |              |
| 18      | 92049881 | 1   | Support         |                               |            |                              |                             |              |
| 19      | 92168871 | 2   | Key             |                               |            |                              |                             |              |
| (20 24) | 92038884 | 1   | Turnbuckle Assy |                               |            |                              |                             |              |
| 20      | 92038652 | 1   | Clevis          |                               |            |                              |                             |              |
| 21      | 92038918 | 2   | Pin             |                               |            |                              |                             |              |
| 22      | 92038660 | 1   | Clevis          |                               |            |                              |                             |              |
| 23      | 92256759 | 4   | Pin             |                               |            |                              |                             |              |
| 24      | 92038678 | 1   | Turnbuckle      |                               |            |                              |                             |              |
| 25      | 92605342 | 1   | Spacer          |                               |            |                              |                             |              |
| 26      | 92772896 | 2   | Tab Washer      |                               |            |                              |                             |              |

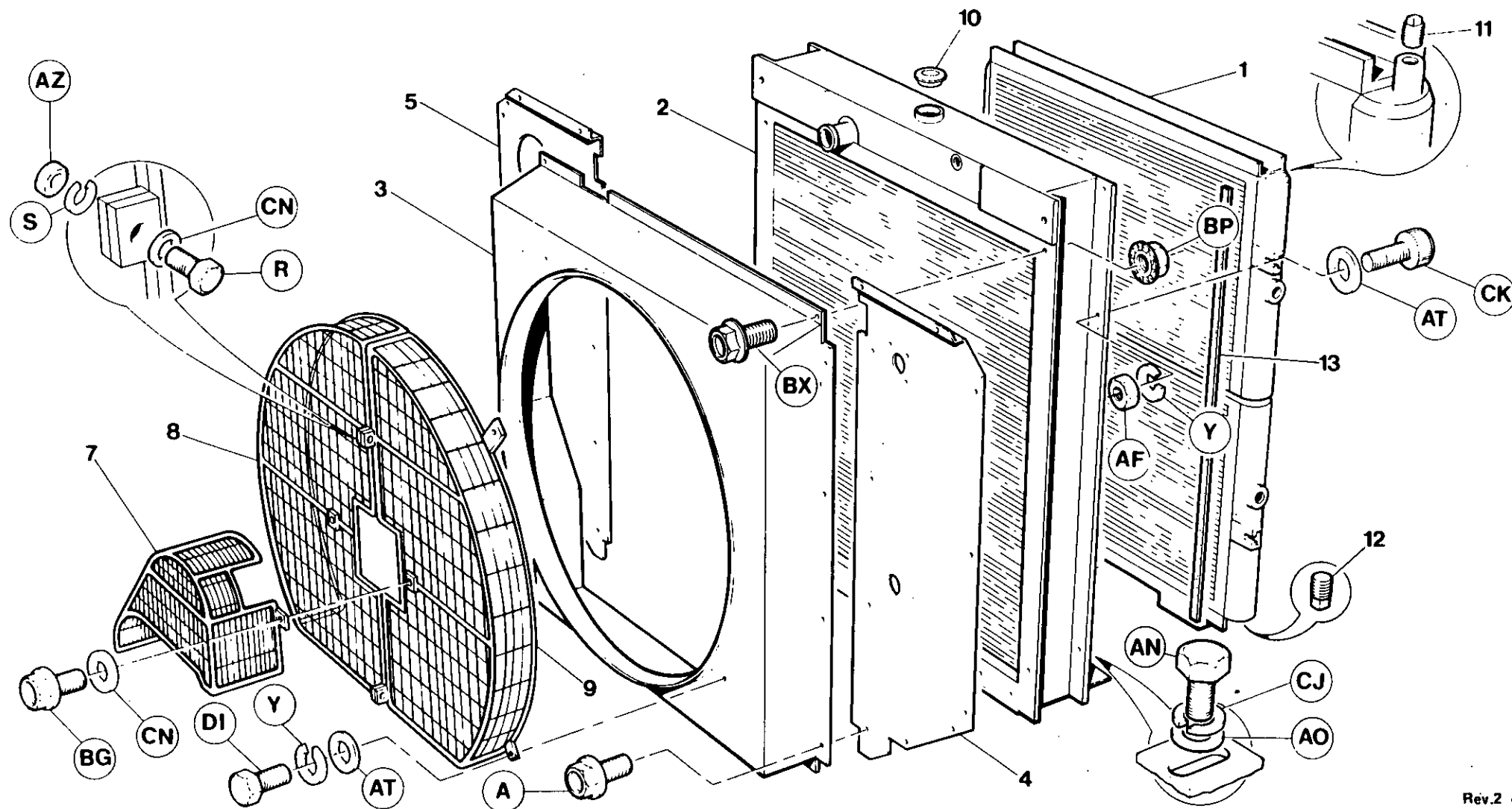
COOLING SYSTEM

SYSTEME DE  
REFROIDISSEMENT

KÜHLSYSTEM

SISTEMA DE  
RAFFREDDAMENTOSISTEMA DE  
REFRIGERACION

جهاز التبريد :



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7.5.2

INGERSOLL-RAND

| Item  | C.P.N.   | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|-------|----------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1     | 92510148 | 1   | Oil Cooler     |                               |            |                              |                             |                |
| 2     | 92677392 | 1   | Radiator       |                               |            |                              |                             |                |
| 3     | 92698349 | 1   | Shroud         |                               |            |                              |                             |                |
| 4     | 92036656 | 1   | Baffle         |                               |            |                              |                             |                |
| 5     | 92544394 | 1   | Baffle         |                               |            |                              |                             |                |
| 6     | 92517762 | 2   | Clamp          |                               |            |                              |                             |                |
| 7     | 92049014 | 1   | Guard          |                               |            |                              |                             |                |
| (8-9) | 92049006 | 1   | Guard Assy     |                               |            |                              |                             |                |
| 8     | 92034495 | 1   | Guard          |                               |            |                              |                             |                |
| 9     | 92034503 | 1   | Guard          |                               |            |                              |                             |                |
| 10    | 92041664 | 1   | Cap            |                               |            |                              |                             |                |
| 11    | 92354661 | 1   | Plug           |                               |            |                              |                             |                |
| 12    | 92257344 | 1   | Plug           |                               |            |                              |                             |                |
| 13    | 92777267 | 4   | Rubber Strip   |                               |            |                              |                             |                |

COOLING SYSTEM

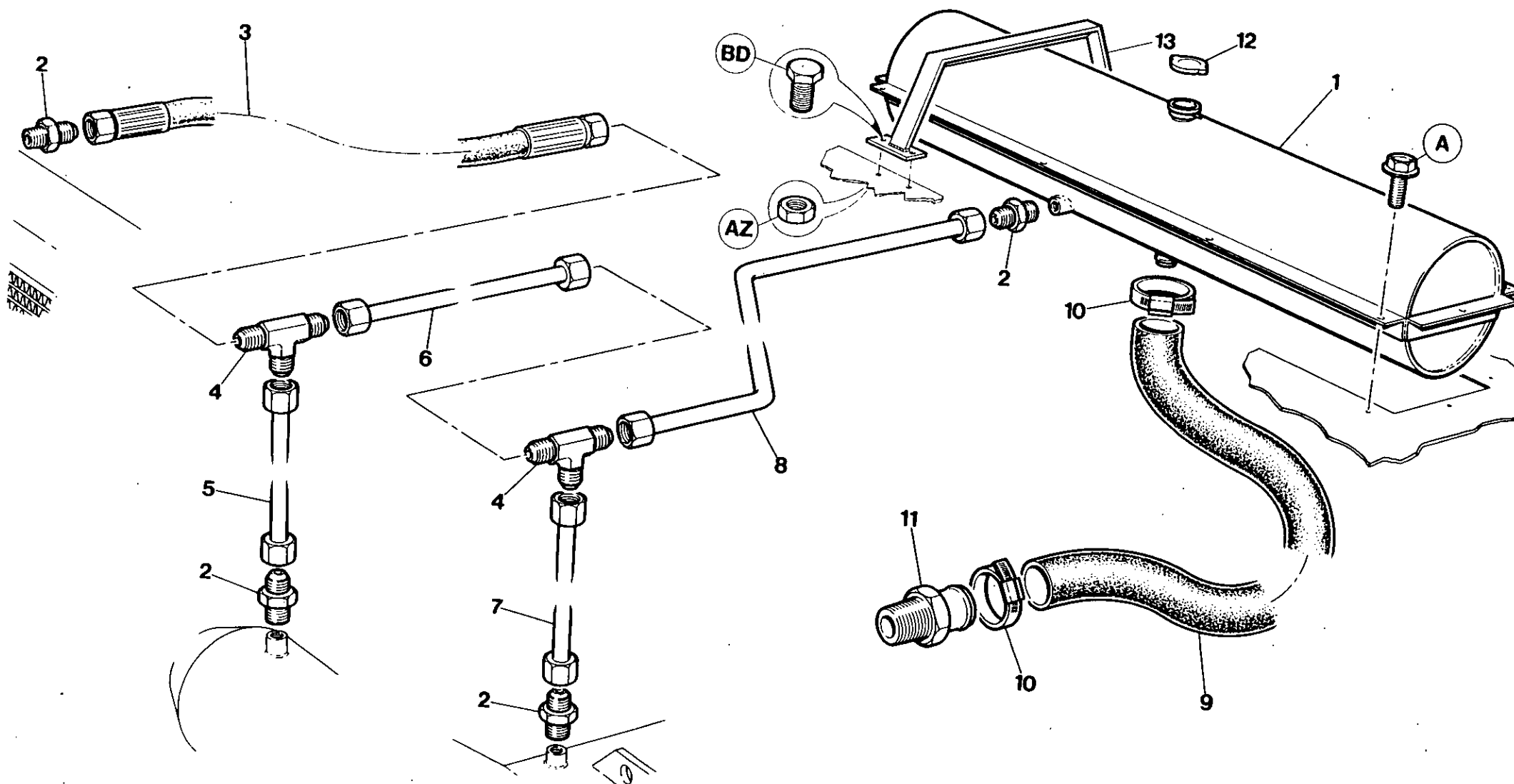
SYSTÈME DE  
REFROIDISSEMENT

KÜHLSYSTEM

SISTEMA DE  
RAFFREDDAMENTO

SISTEMA DE  
REFRIGERACION

جهاز التبريد :



| Item | C.P.N.   | Qty   | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد |
|------|----------|-------|----------------|-------------------------------|------------|------------------------------|-----------------------------|--------------|
| 1    | 92668532 | 1     | Header Tank    |                               |            |                              |                             |              |
| 2    | 92478387 | 5     | Connector      |                               |            |                              |                             |              |
| 3    | 92766393 | 1     | Hose           |                               |            |                              |                             |              |
| 4    | 35279868 | 2     | Tee            |                               |            |                              |                             |              |
| 5    | 92713627 | 1     | Pipe           |                               |            |                              |                             |              |
| 6    | 92698141 | 1     | Pipe           |                               |            |                              |                             |              |
| 7    | 92698158 | 1     | Pipe           |                               |            |                              |                             |              |
| 8    | 92698166 | 1     | Pipe           |                               |            |                              |                             |              |
| 9    | 92417849 | 0.9 m | Hose           |                               |            |                              |                             |              |
| 10   | 92321702 | 2     | Clip           |                               |            |                              |                             |              |
| 11   | 92698174 | 1     | Adaptor        |                               |            |                              |                             |              |
| 12   | 92509942 | 1     | Cap            |                               |            |                              |                             |              |
| 13   | 92752252 | 2     | Guard          |                               |            |                              |                             |              |



COOLING SYSTEM

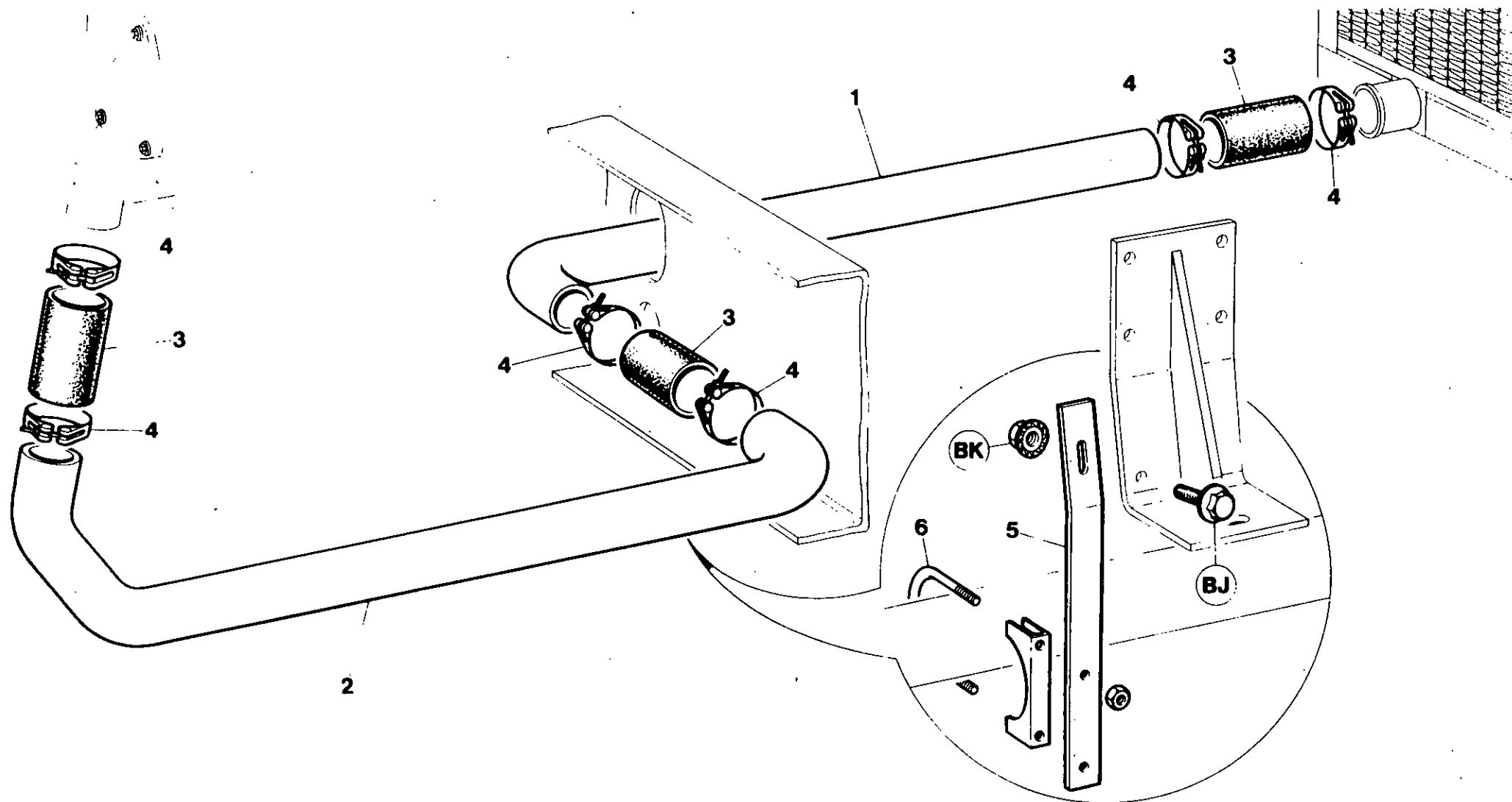
SYSTÈME DE  
REFROIDISSEMENT

KÜHLSYSTEM

SISTEMA DE  
RAFFREDDAMENTO

SISTEMA DE  
REFRIGERACION

جهاز التبريد



7.5.6

INGERSOLL-RAND

| Item | C.P.N.   | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92517770 | 1   | Pipe           |                               |            |                              |                             |                |
| 2    | 92517788 | 1   | Pipe           |                               |            |                              |                             |                |
| 3    | 92668920 | 3   | Hose           |                               |            |                              |                             |                |
| 4    | 35293059 | 6   | Clamp          |                               |            |                              |                             |                |
| 5    | 92544626 | 1   | Support        |                               |            |                              |                             |                |
| 6    | 92253079 | 1   | Clamp          |                               |            |                              |                             |                |
| 7    | 92040751 | 2   | Hose           |                               |            |                              |                             |                |

COOLING SYSTEM

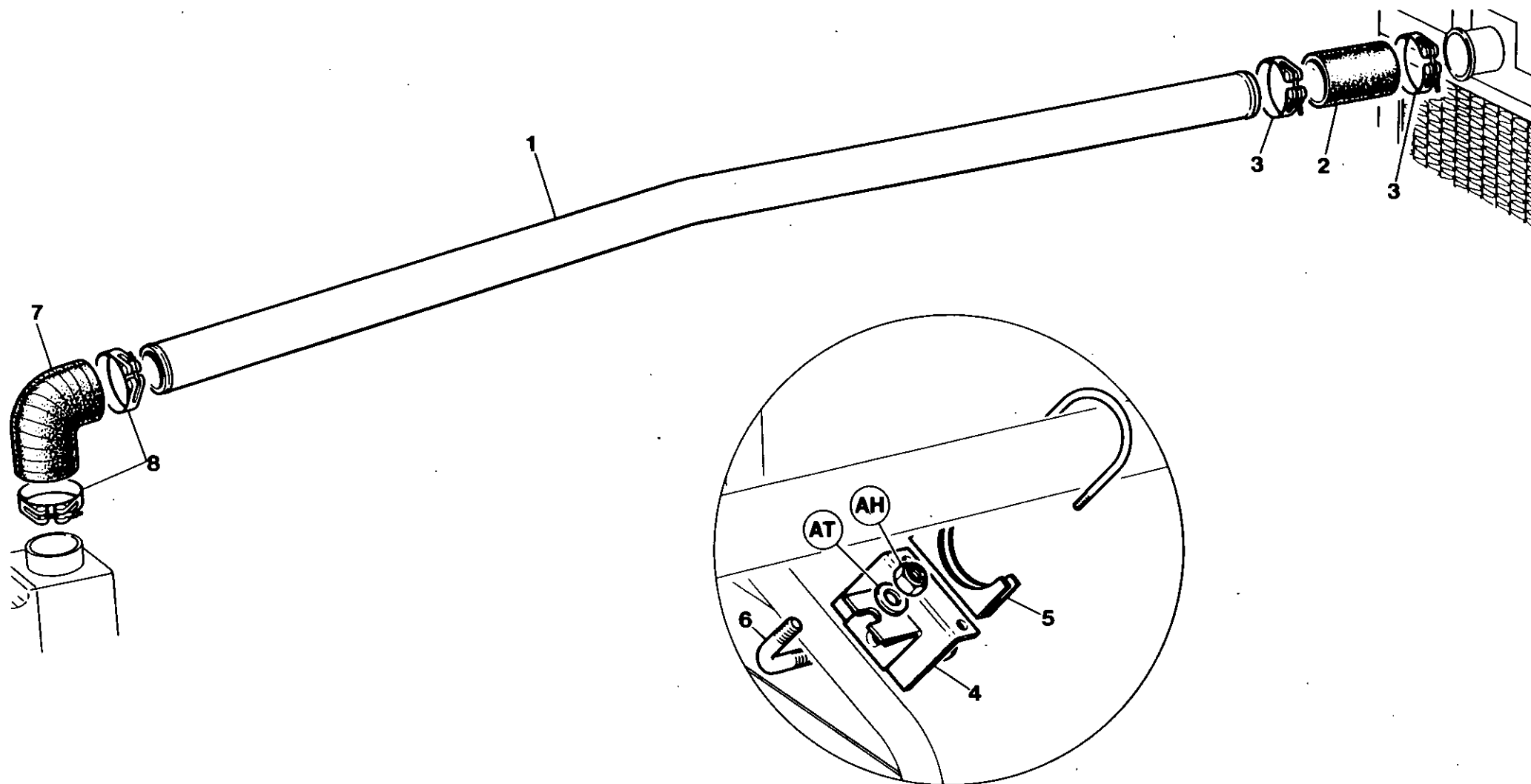
SYSTÈME DE  
REFROIDISSEMENT

KÜHLSYSTEM

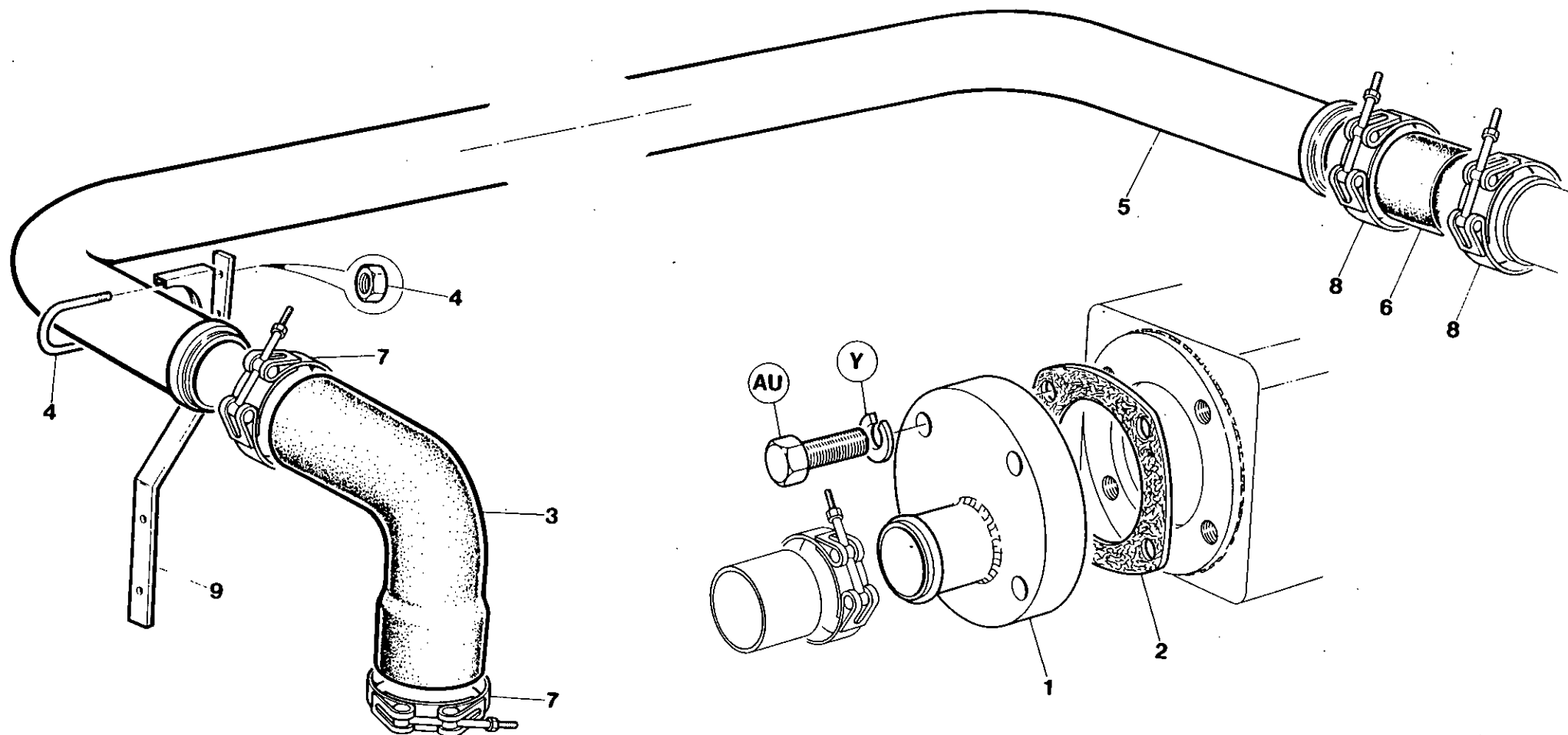
SISTEMA DE  
RAFFREDDAMENTO

SISTEMA DE  
REFRIGERACION

جهاز التبريد



| Item | C.P.N.   | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92546340 | 1   | Pipe           |                               |            |                              |                             |                |
| 2    | 92281013 | 1   | Hose           |                               |            |                              |                             |                |
| 3    | 92040765 | 2   | Clamp          |                               |            |                              |                             |                |
| 4    | 92540780 | 1   | Bracket        |                               |            |                              |                             |                |
| 5    | 92253079 | 1   | Clamp          |                               |            |                              |                             |                |
| 6    | 92055201 | 1   | Stud           |                               |            |                              |                             |                |
| 7    | 92546688 | 1   | Elbow          |                               |            |                              |                             |                |
| 8    | 35293059 | 2   | Clamp          |                               |            |                              |                             |                |



| Item | C.P.N.   | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92546506 | 1   | Flange         |                               |            |                              |                             |                |
| 2    | 92546514 | 1   | Gasket         |                               |            |                              |                             |                |
| 3    | 92546670 | 1   | Elbow          |                               |            |                              |                             |                |
| 4    | 92253079 | 1   | Clip           |                               |            |                              |                             |                |
| 5    | 92698224 | 1   | Pipe           |                               |            |                              |                             |                |
| 6    | 92040757 | 1   | Hose           |                               |            |                              |                             |                |
| 7    | 35295799 | 2   | Clamp          |                               |            |                              |                             |                |
| 8    | 35293059 | 2   | Clamp          |                               |            |                              |                             |                |
| 9    | 92754373 | 1   | Bracket        |                               |            |                              |                             |                |



| Item | C.P.N.   | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92546530 | 1   | Gasket         |                               |            |                              |                             |                |
| 2    | 92546522 | 1   | Flange         |                               |            |                              |                             |                |
| 3    | 92677293 | 1   | Bracket        |                               |            |                              |                             |                |
| 4    | 92546688 | 1   | Elbow          |                               |            |                              |                             |                |
| 5    | 92698216 | 1   | Pipe           |                               |            |                              |                             |                |
| 6    | 35293059 | 4   | Clamp          |                               |            |                              |                             |                |
| 7    | 92347459 | 1   | Hose           |                               |            |                              |                             |                |
| 8    | 92658046 | 1   | Hose           |                               |            |                              |                             |                |
| 9    | 92253079 | 2   | Clip           |                               |            |                              |                             |                |
| 10   | 92546977 | 1   | Bracket        |                               |            |                              |                             |                |
| 11   | 92546712 | 1   | Pipe           |                               |            |                              |                             |                |
| 12   | 92725522 | 1   | Hose           |                               |            |                              |                             |                |
| 13   | 35295799 | 2   | Clamp          |                               |            |                              |                             |                |
| 14   | 92478304 | 1   | Adaptor        |                               |            |                              |                             |                |
| 15   | 92698190 | 1   | Adaptor        |                               |            |                              |                             |                |
| 16   | 92321702 | 2   | Clamp          |                               |            |                              |                             |                |
| 17   | 92698182 | 1   | Hose           |                               |            |                              |                             |                |





| Item | C.P.N.   | Qty | COOLING SYSTEM   | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|------------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92657410 | 1   | Water Loss Valve |                               |            |                              |                             |                |
| 2    | 92547652 | 1   | Hose             |                               |            |                              |                             |                |
| 3    | 92100924 | 2   | Hose             |                               |            |                              |                             |                |
| 4    | 92478569 | 4   | Connector        |                               |            |                              |                             |                |
| 5    | 92395458 | 1   | Elbow            |                               |            |                              |                             |                |
| 6    | 92089556 | 1   | Silencer         |                               |            |                              |                             |                |

COOLING SYSTEM

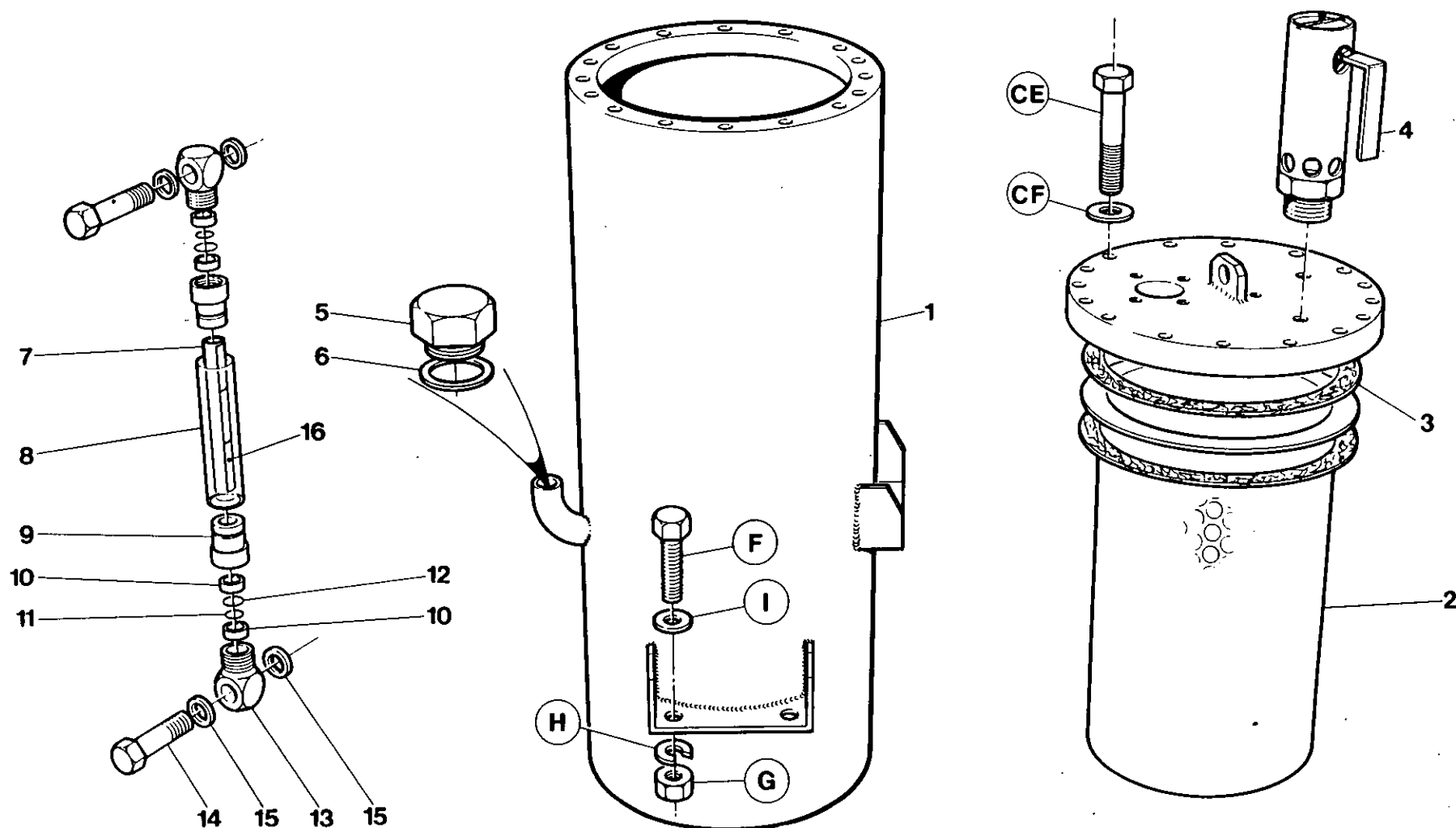
SYSTÈME DE  
REFROIDISSEMENT

KÜHLSYSTEM

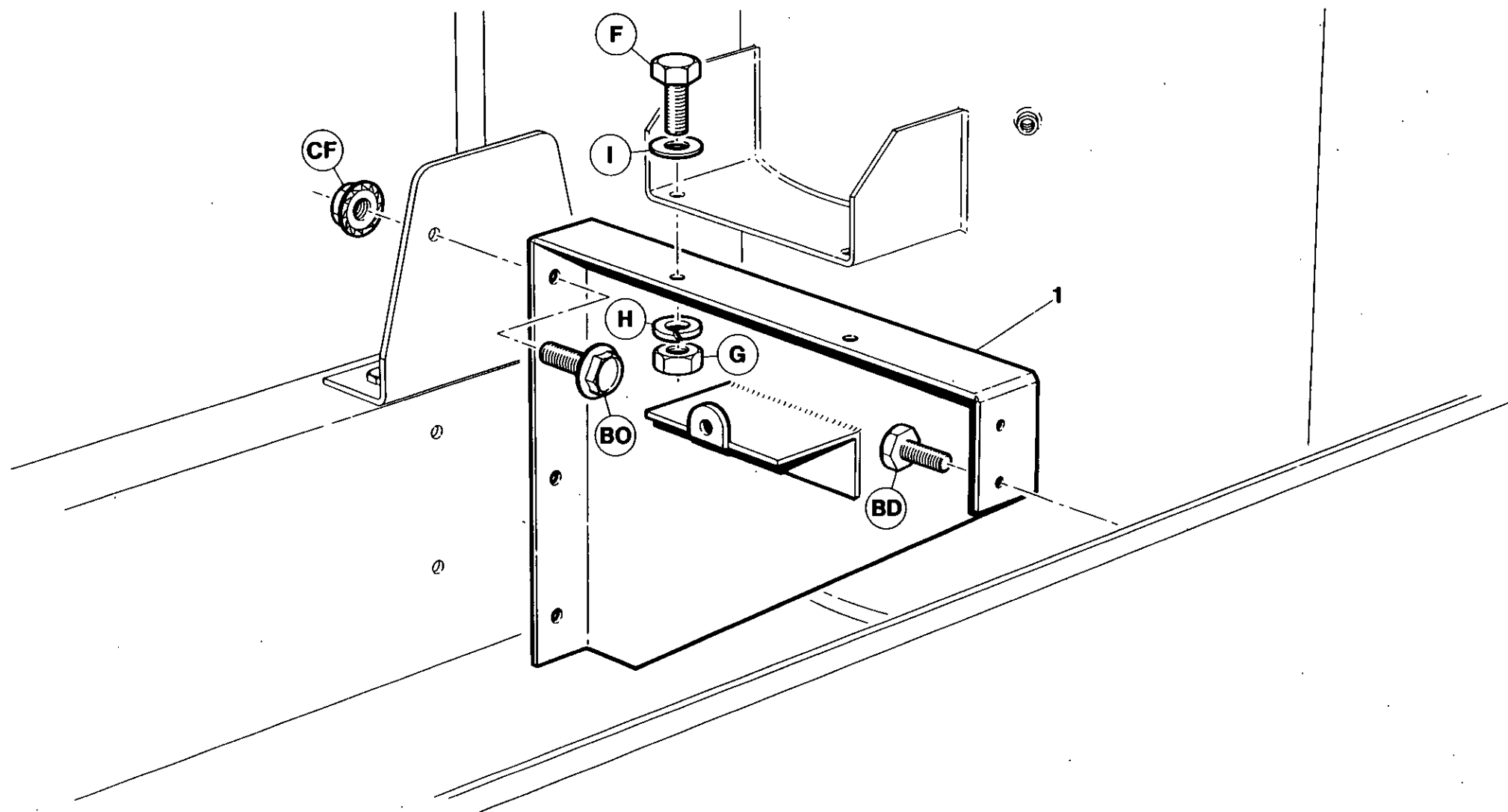
SISTEMA DE  
RAFFREDDAMENTO

SISTEMA DE  
REFRIGERACION

جهاز التبريد :



| Item   | C.P.N.   | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|--------|----------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1      | 92709682 | 1   | Separator Tank |                               |            |                              |                             |                |
| 2      | 92725514 | 1   | Element        |                               |            |                              |                             |                |
| 3      | 92756592 | 1   | Gasket         |                               |            |                              |                             |                |
| 4      | 92049188 | 1   | Valve          |                               |            |                              |                             |                |
| 5      | 35579630 | 1   | Plug           |                               |            |                              |                             |                |
| 6      | 35279942 | 1   | O Ring         |                               |            |                              |                             |                |
| (7-16) | 92095363 | 1   | Gauge Assy     |                               |            |                              |                             |                |
| 7      | 92095371 | 1   | Tube           |                               |            |                              |                             |                |
| 8      | 92095389 | 1   | Tube           |                               |            |                              |                             |                |
| 9      | 92095397 | 2   | Nut            |                               |            |                              |                             |                |
| 10     | 92095405 | 4   | Ferrule        |                               |            |                              |                             |                |
| 11     | 92095413 | 2   | O-Ring         |                               |            |                              |                             |                |
| 12     | 92095421 | 2   | O-Ring         |                               |            |                              |                             |                |
| 13     | 92095439 | 2   | Collar         |                               |            |                              |                             |                |
| 14     | 92095447 | 2   | Nipple         |                               |            |                              |                             |                |
| 15     | 92293661 | 4   | Seal           |                               |            |                              |                             |                |
| 16     | 92094994 | 1   | Indicator      |                               |            |                              |                             |                |

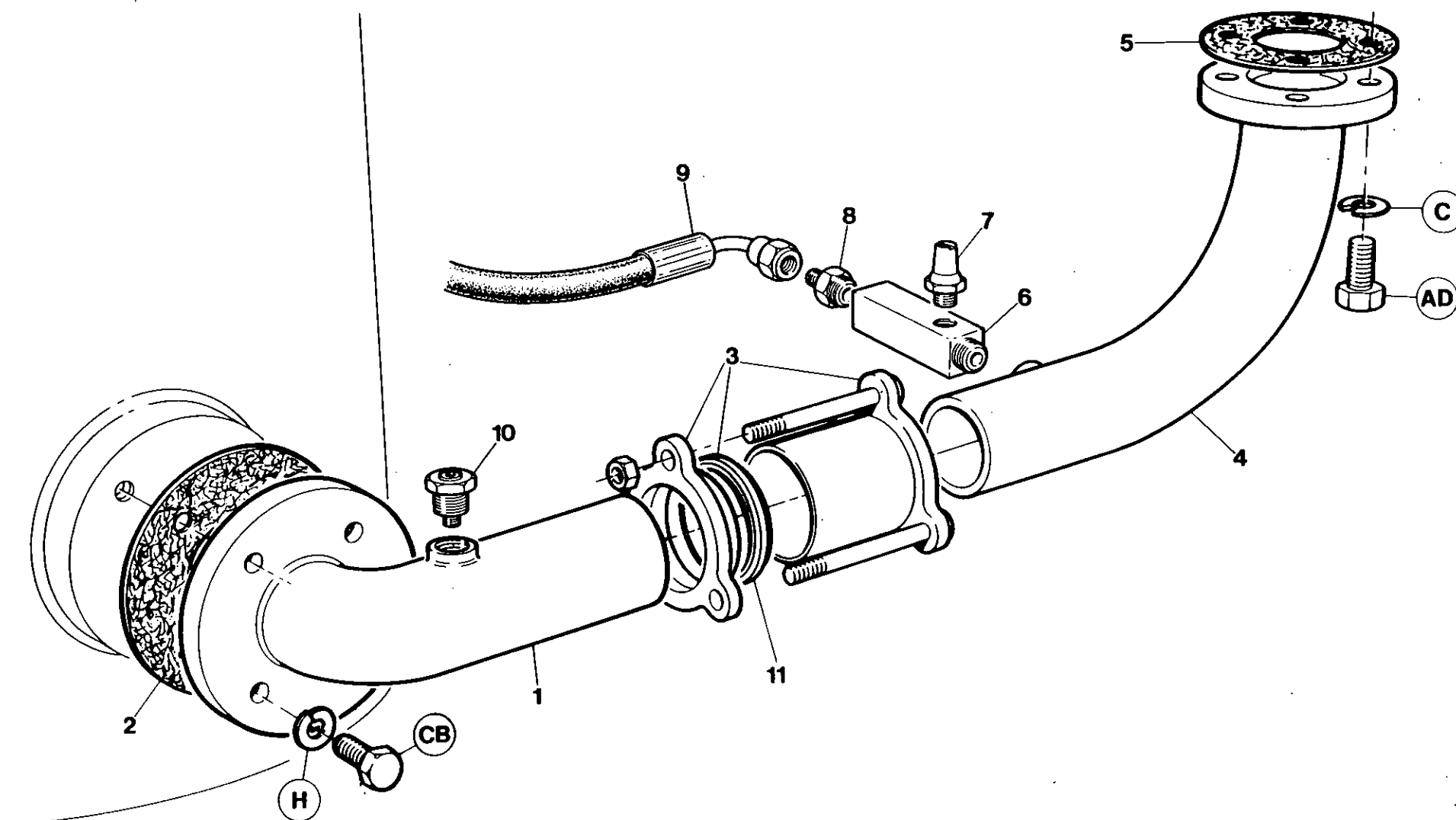


| Item | C.P.N.   | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92066299 | 1   | Bracket        |                               |            |                              |                             |                |

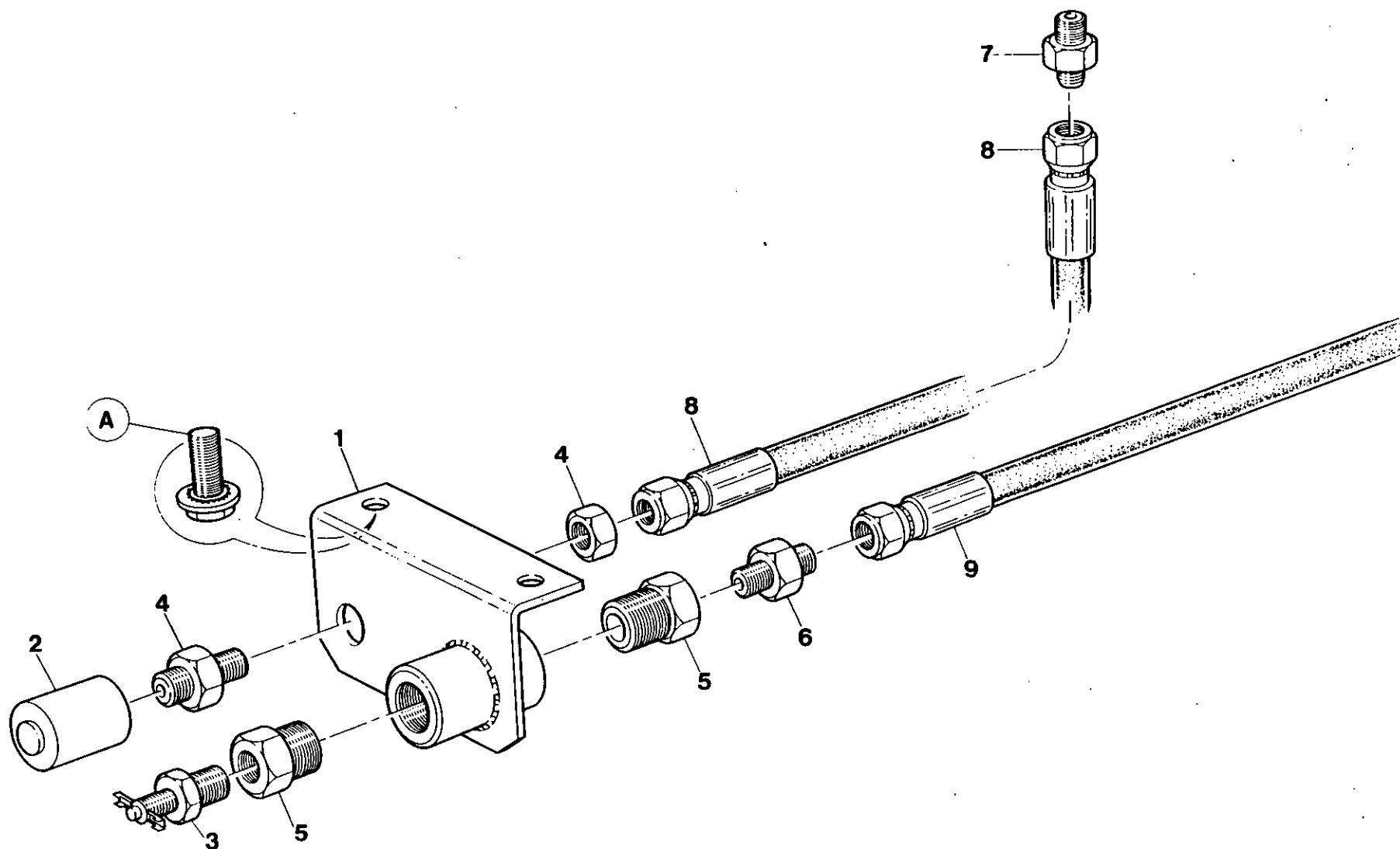


| Item | C.P.N.   | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92477207 | 1   | Elbow          |                               |            |                              |                             |                |
| 2    | 92043041 | 1   | Tube           |                               |            |                              |                             |                |
| 3    | 92419563 | 1   | Connector      |                               |            |                              |                             |                |
| 4    | 92043116 | 1   | Valve          |                               |            |                              |                             |                |
| 5    | 92354513 | 1   | Elbow          |                               |            |                              |                             |                |





| Item | C.P.N.   | Qty | COOLING SYSTEM     | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|--------------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92666031 | 1   | Pipe               |                               |            |                              |                             |                |
| 2    | 92058544 | 1   | Gasket             |                               |            |                              |                             |                |
| 3    | 35214683 | 1   | Coupling           |                               |            |                              |                             |                |
| 4    | 92721042 | 1   | Pipe               |                               |            |                              |                             |                |
| 5    | 35575570 | 1   | Gasket             |                               |            |                              |                             |                |
| 6    | 92546464 | 1   | Valve              |                               |            |                              |                             |                |
| 7    | 92089556 | 1   | Silencer           |                               |            |                              |                             |                |
| 8    | 92478569 | 1   | Adaptor            |                               |            |                              |                             |                |
| 9    | 92658004 | 1   | Hose               |                               |            |                              |                             |                |
| 10   | 92661743 | 1   | Adaptor - Dry Bulb |                               |            |                              |                             |                |
| 11   | 95140653 | 2   | Gasket             |                               |            |                              |                             |                |



| Item | C.P.N.   | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92544287 | 1   | Bracket        |                               |            |                              |                             |                |
| 2    | 35321389 | 1   | Cap            |                               |            |                              |                             |                |
| 3    | 92258706 | 1   | Drain Cock     |                               |            |                              |                             |                |
| 4    | 92544246 | 1   | Connector      |                               |            |                              |                             |                |
| 5    | 92354380 | 2   | Reducing Bush  |                               |            |                              |                             |                |
| 6    | 92478387 | 1   | Connector      |                               |            |                              |                             |                |
| 7    | 92492800 | 1   | Connector      |                               |            |                              |                             |                |
| 8    | 92520386 | 1   | Hose           |                               |            |                              |                             |                |
| 9    | 92049097 | 1   | Hose           |                               |            |                              |                             |                |

COOLING SYSTEM

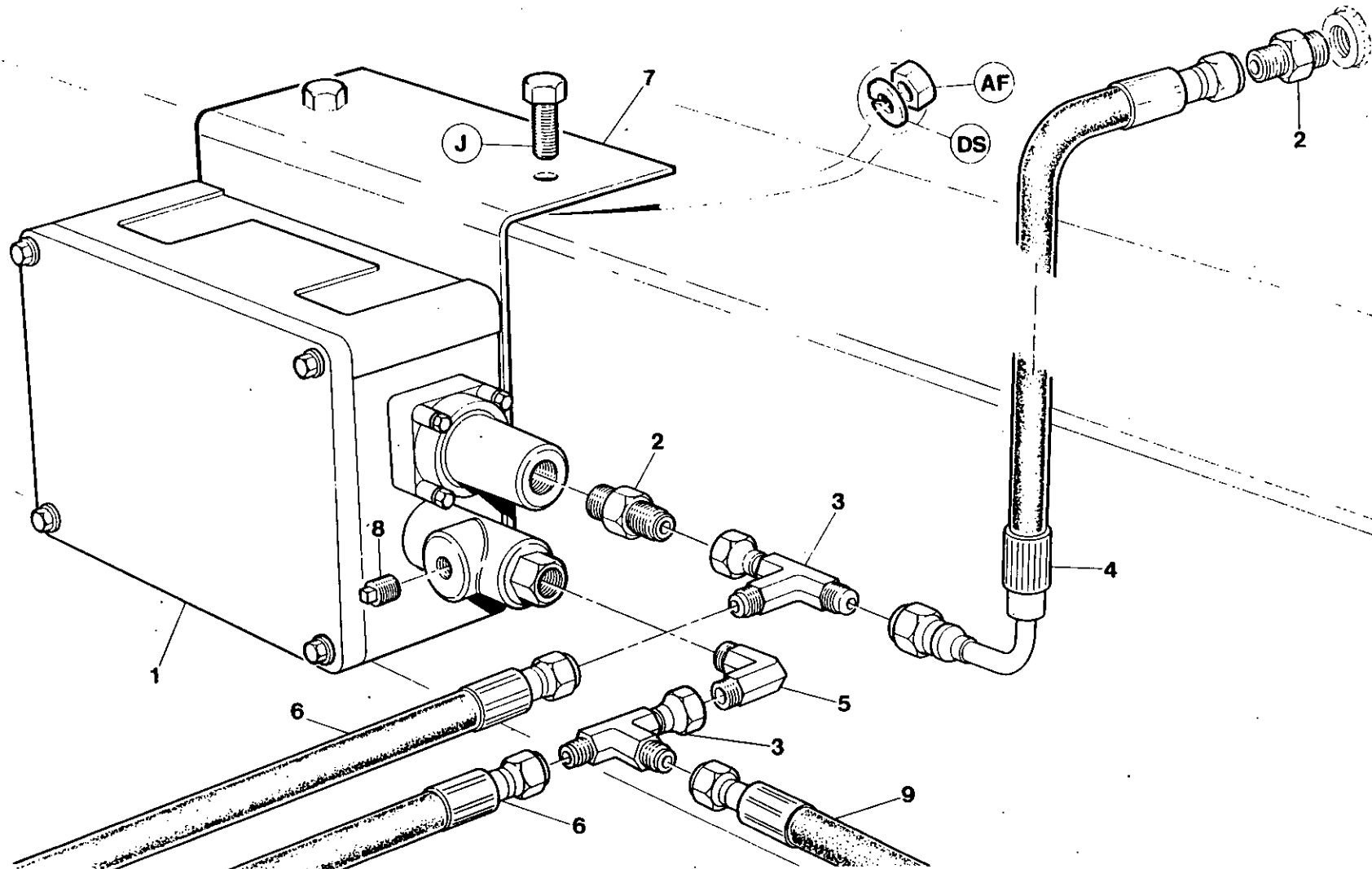
SYSTÈME DE  
REFROIDISSEMENT

KÜHLSYSTEM

SISTEMA DE  
RAFFREDDAMENTO

SISTEMA DE  
REFRIGERACION

جهاز التبريد



| Item | C.P.N.   | Qty | COOLING SYSTEM     | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|--------------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92657444 | 1   | Oil Pressure Valve |                               |            |                              |                             |                |
| 2    | 92478569 | 2   | Adaptor            |                               |            |                              |                             |                |
| 3    | 92100957 | 2   | Tee                |                               |            |                              |                             |                |
| 4    | 92100924 | 1   | Hose               |                               |            |                              |                             |                |
| 5    | 92395458 | 1   | Elbow              |                               |            |                              |                             |                |
| 6    | 92547645 | 2   | Hose               |                               |            |                              |                             |                |
| 7    | 92658152 | 1   | Bracket            |                               |            |                              |                             |                |
| 8    | 92354661 | 1   | Plug               |                               |            |                              |                             |                |
| 9    | 92520428 | 1   | Hose               |                               |            |                              |                             |                |

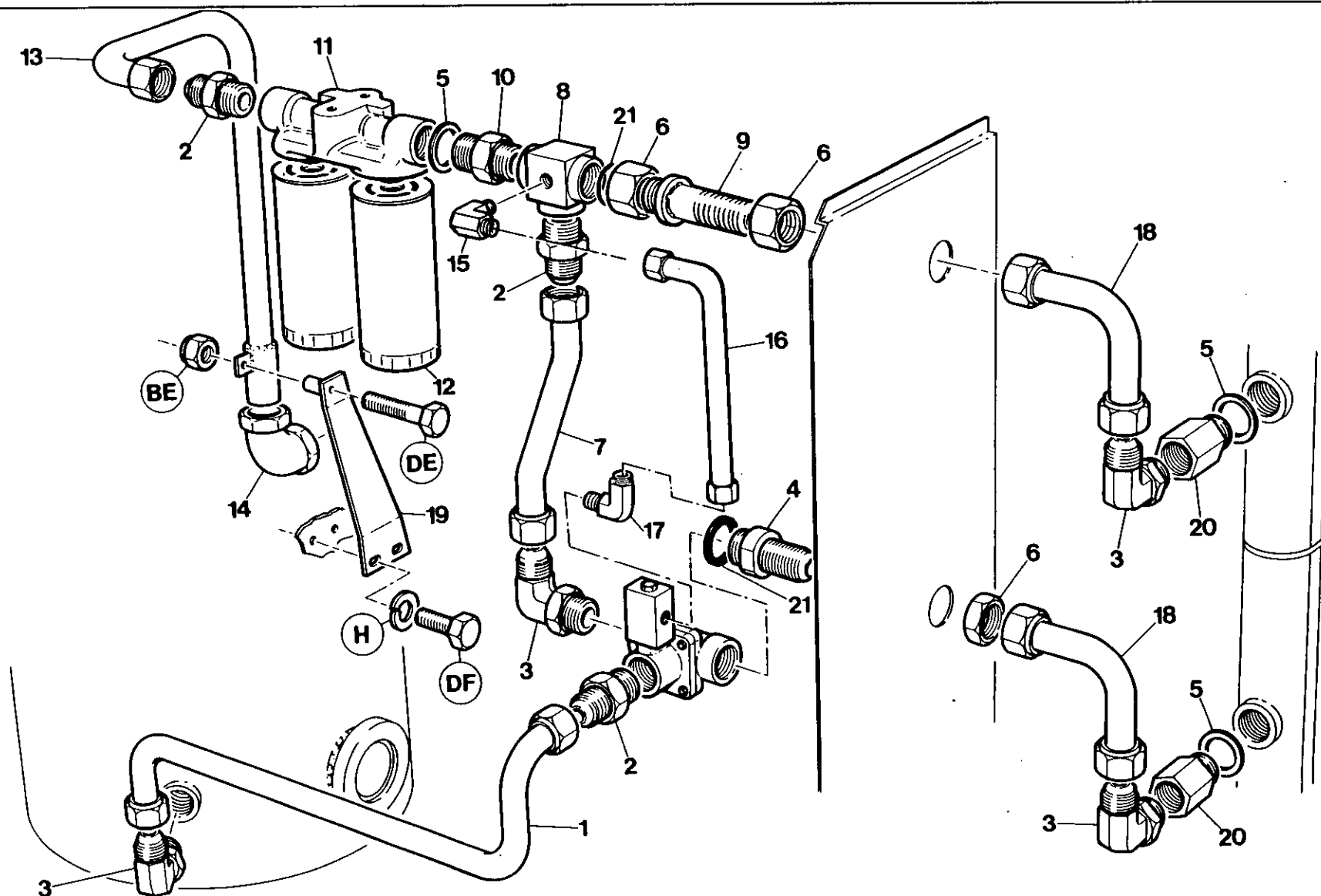
COOLING SYSTEM

SYSTÈME DE  
REFROIDISSEMENT

KÜHLSYSTEM

SISTEMA DE  
RAFFREDDAMENTOSISTEMA DE  
REFRIGERACION

جهاز التبريد



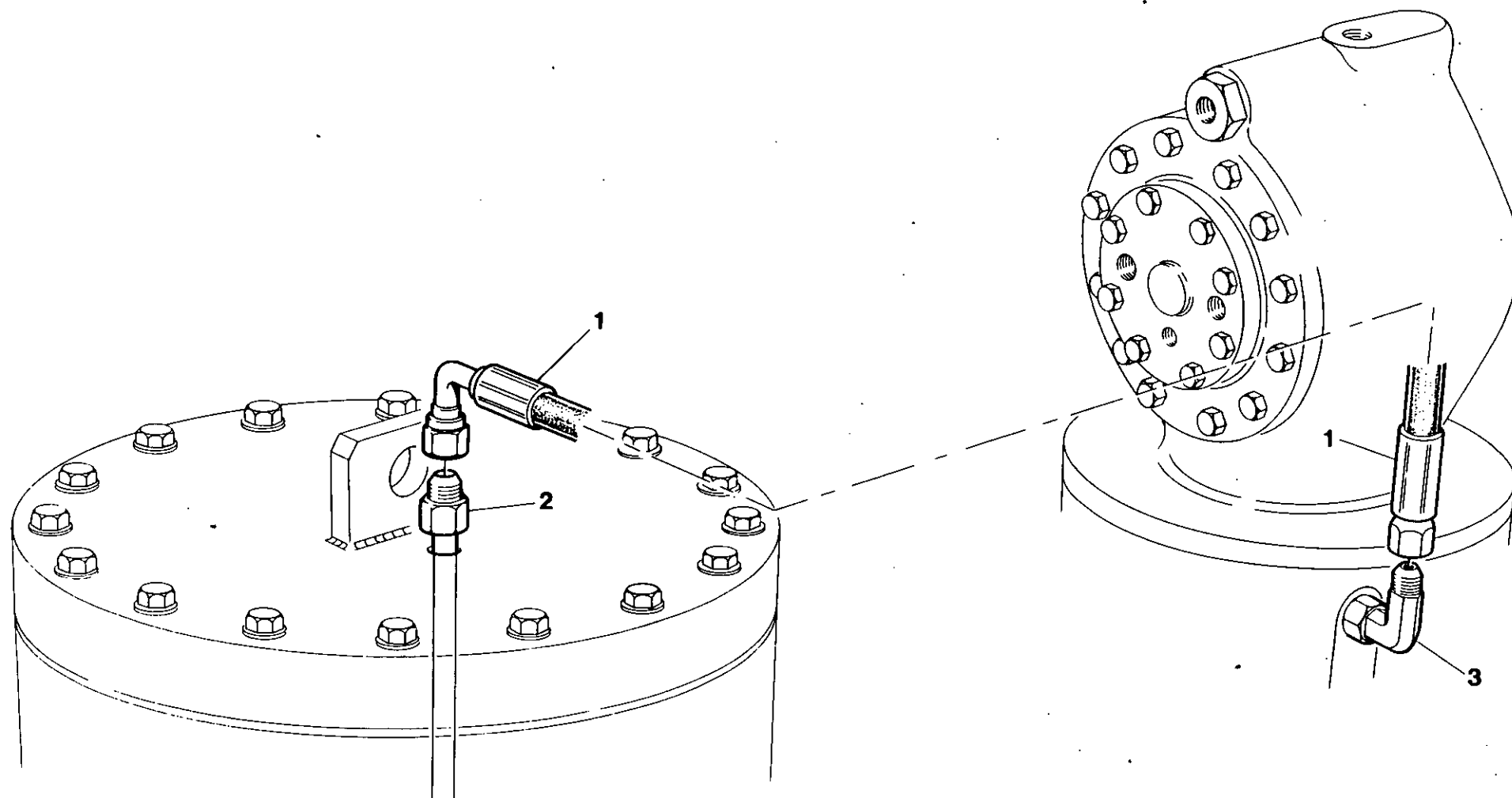
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Rev. 1 10/88

INGERSOLL-RAND

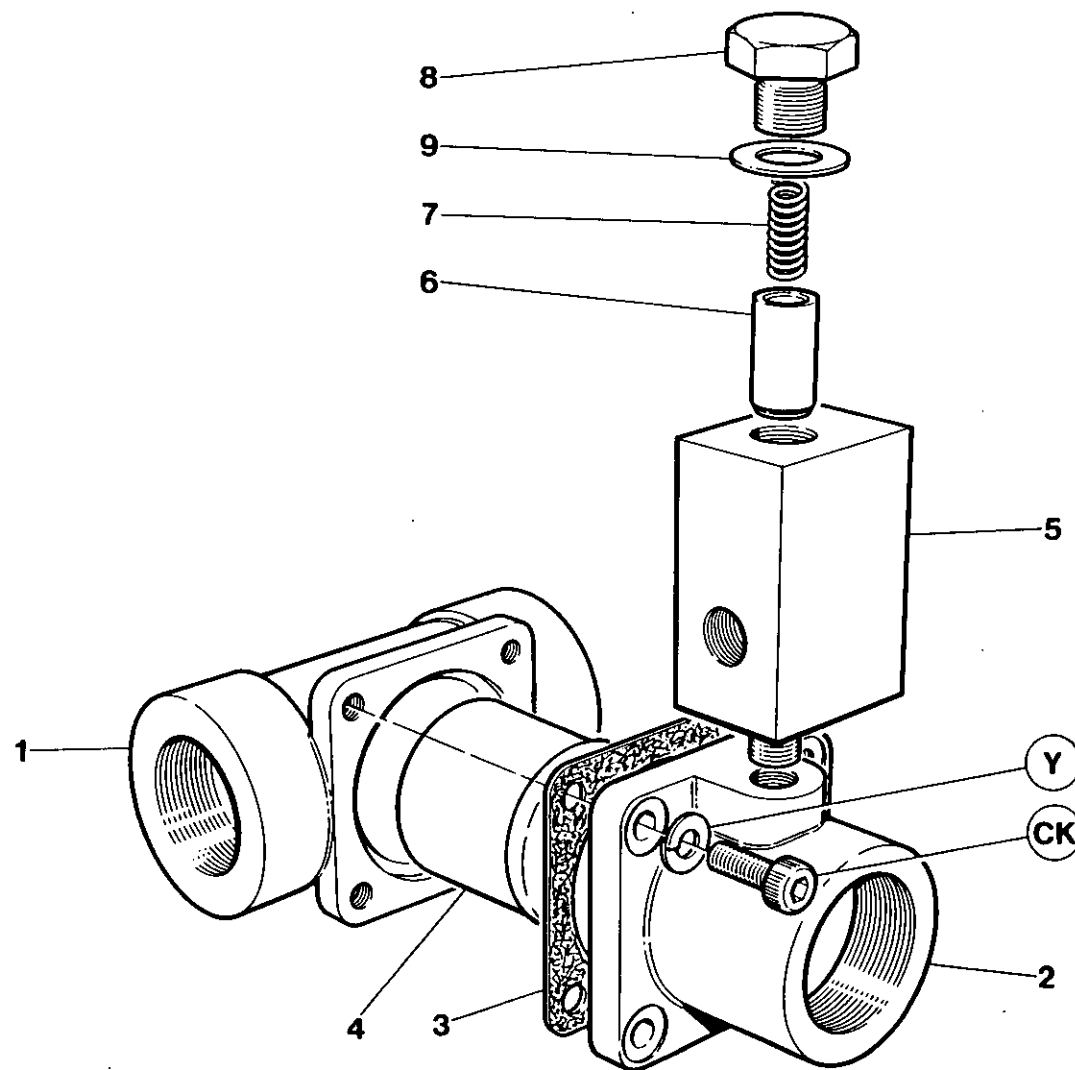
| Item    | C.P.N.   | Qty | COOLING SYSTEM  | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|---------|----------|-----|-----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1       | 92708197 | 1   | Tube            |                               |            |                              |                             |                |
| 2       | 92087840 | 3   | Adaptor         |                               |            |                              |                             |                |
| 3       | 92087832 | 4   | Adaptor         |                               |            |                              |                             |                |
| 4       | 92708163 | 1   | Adaptor         |                               |            |                              |                             |                |
| 5       | 92032036 | 3   | Washer          |                               |            |                              |                             |                |
| 6       | 92058494 | 3   | Locknut         |                               |            |                              |                             |                |
| 7       | 92708171 | 1   | Tube            |                               |            |                              |                             |                |
| 8       | 92708122 | 1   | Tee             |                               |            |                              |                             |                |
| 9       | 92725498 | 1   | Adaptor         |                               |            |                              |                             |                |
| 10      | 92251735 | 1   | Adaptor         |                               |            |                              |                             |                |
| (11-12) | 92071166 | 1   | Oil Filter Assy |                               |            |                              |                             |                |
| 11      | 92071174 | 1   | Head            |                               |            |                              |                             |                |
| 12      | 92071182 | 2   | Element         |                               |            |                              |                             |                |
| 13      | 92680230 | 1   | Tube            |                               |            |                              |                             |                |
| 14      | 92719673 | 1   | Coupling        |                               |            |                              |                             |                |
| 15      | 92522770 | 1   | Elbow           |                               |            |                              |                             |                |
| 16      | 92725639 | 1   | Tube            |                               |            |                              |                             |                |
| 17      | 92058064 | 1   | Elbow           |                               |            |                              |                             |                |
| 18      | 92753615 | 2   | Tube            |                               |            |                              |                             |                |
| 19      | 92708635 | 1   | Plate           |                               |            |                              |                             |                |
| 20      | 92512953 | 2   | Adaptor         |                               |            |                              |                             |                |
| 21      | 92281195 | 2   | Seal            |                               |            |                              |                             |                |





| Item | C.P.N. | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|--------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
|------|--------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|

|   |          |   |               |  |  |  |  |  |
|---|----------|---|---------------|--|--|--|--|--|
| 1 | 92079474 | 1 | Hose          |  |  |  |  |  |
| 2 | 92725746 | 1 | Tube          |  |  |  |  |  |
| 3 | 92080811 | 1 | Orifice Elbow |  |  |  |  |  |



| Item | C.P.N.   | Qty | COOLING SYSTEM             | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد |
|------|----------|-----|----------------------------|-------------------------------|------------|------------------------------|-----------------------------|--------------|
| 1-4  | 92752203 | 1   | Temp. Bypass Valve Assy    |                               |            |                              |                             |              |
| 1    | 92707512 | 1   | Body Temp Bypass Valve     |                               |            |                              |                             |              |
| 2    | 92707520 | 1   | Cover                      |                               |            |                              |                             |              |
| 3    | 92707538 | 1   | Gasket                     |                               |            |                              |                             |              |
| 4    | 35288117 | 1   | Thermostat                 |                               |            |                              |                             |              |
| 5    | 92708155 | 1   | Body Pressure Bypass Valve |                               |            |                              |                             |              |
| 5-9  | 92707678 | 1   | Valve Assembly             |                               |            |                              |                             |              |
| 6    | 35163054 | 1   | Bypass Valve               |                               |            |                              |                             |              |
| 7    | 30672430 | 1   | Spring                     |                               |            |                              |                             |              |
| 8    | 35214543 | 1   | Nut                        |                               |            |                              |                             |              |
| 9    | 30549919 | 1   | Gasket                     |                               |            |                              |                             |              |

COOLING SYSTEM

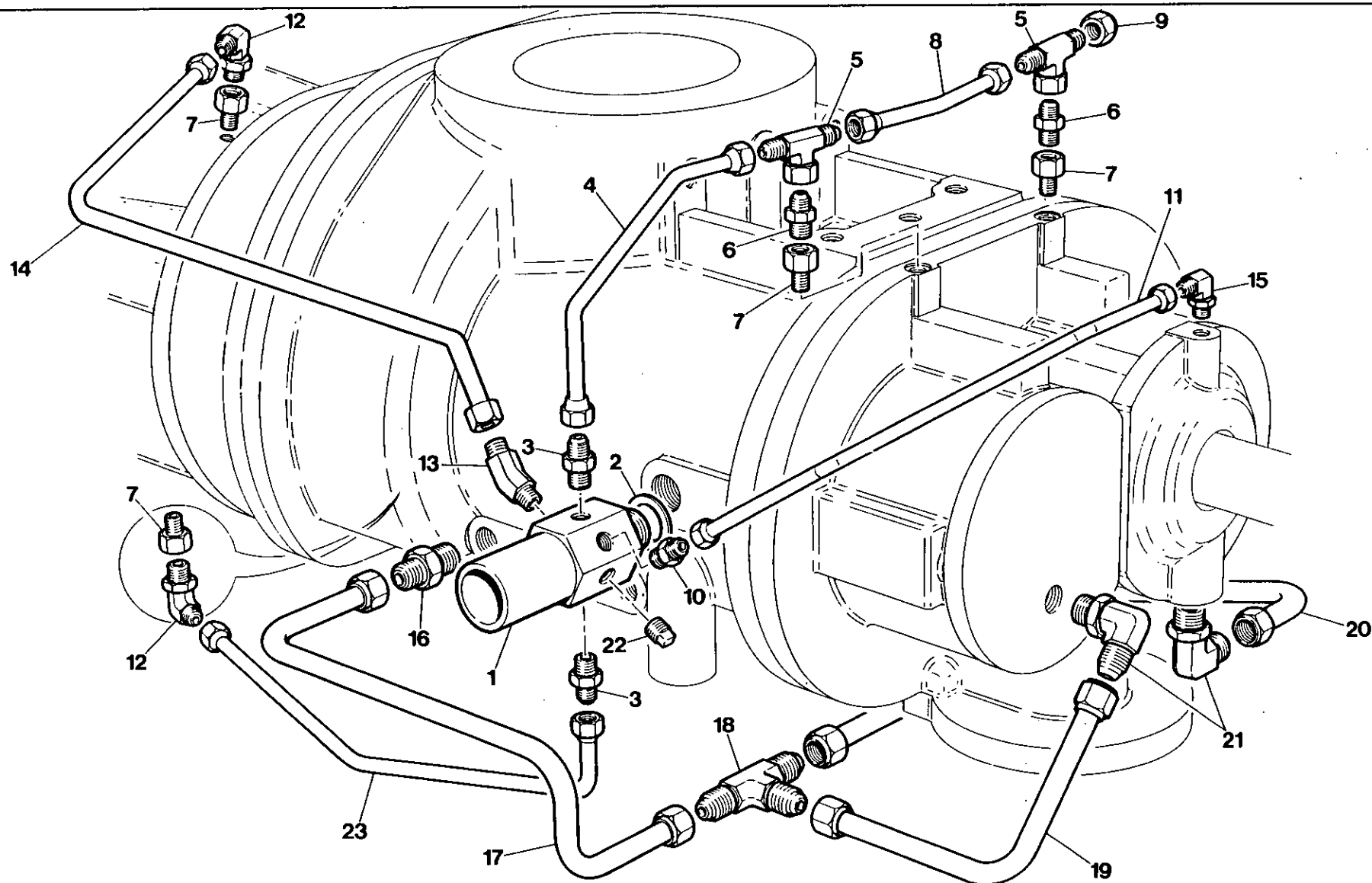
SYSTÈME DE  
REFROIDISSEMENT

KÜHLSYSTEM

SISTEMA DE  
RAFFREDDAMENTO

SISTEMA DE  
REFRIGERACION

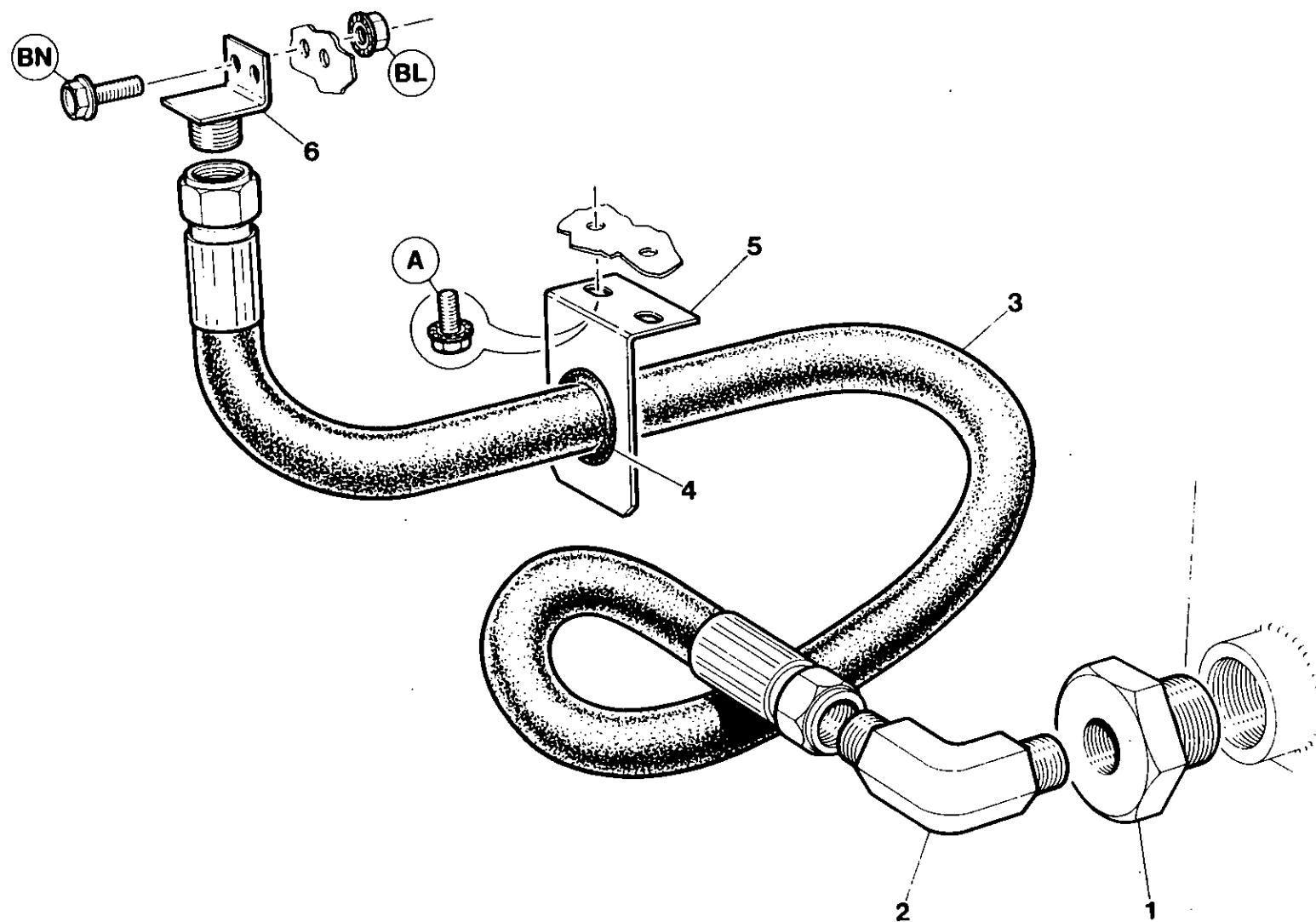
جهاز التبريد



7.5.34

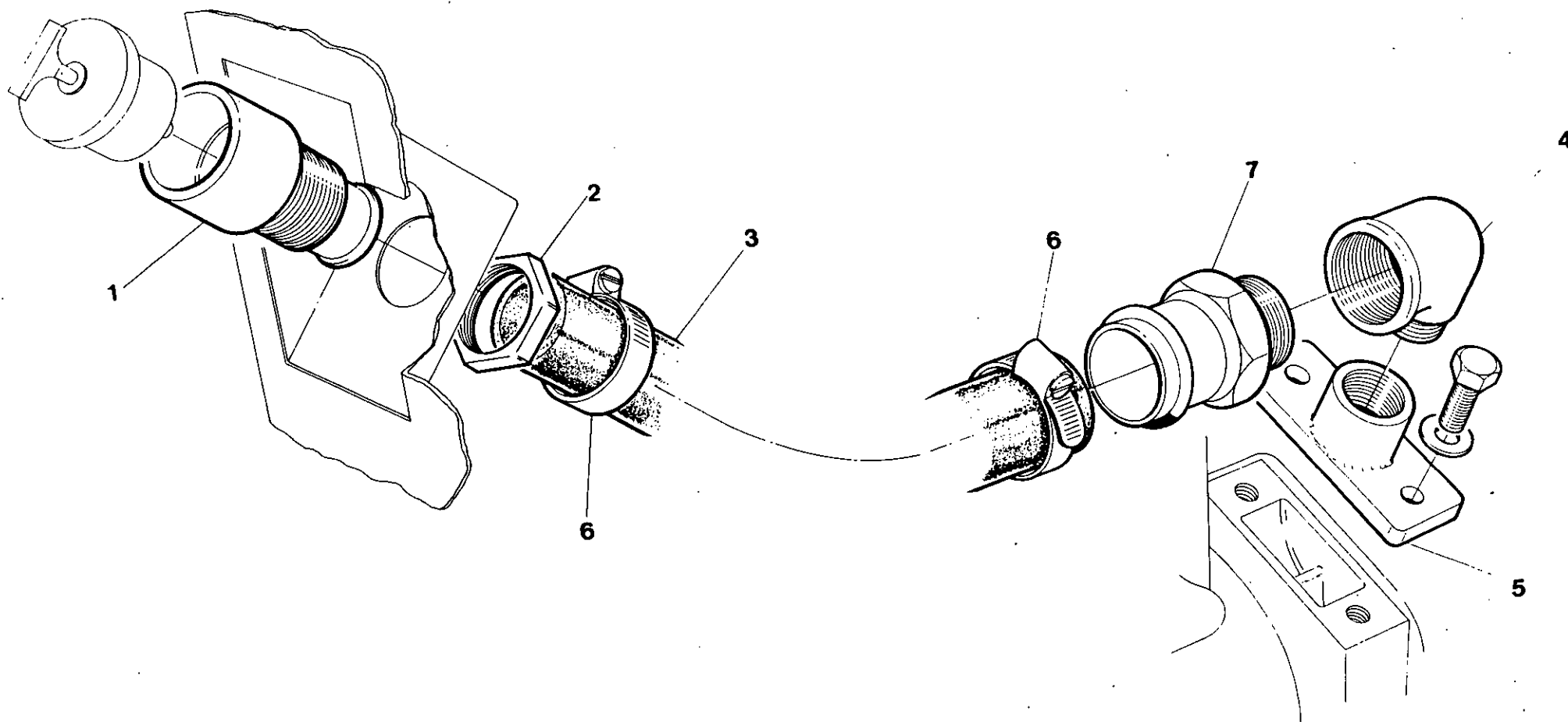
INGERSOLL-RAND

| Item | C.P.N.   | Qty | COOLING SYSTEM   | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|------------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92680321 | 1   | Manifold Adaptor |                               |            |                              |                             |                |
| 2    | 92023175 | 1   | Sealing Washer   |                               |            |                              |                             |                |
| 3    | 92478387 | 2   | Connector        |                               |            |                              |                             |                |
| 4    | 92705276 | 1   | Tube             |                               |            |                              |                             |                |
| 5    | 35283092 | 2   | Tee              |                               |            |                              |                             |                |
| 6    | 35283076 | 2   | Connector        |                               |            |                              |                             |                |
| 7    | 92420058 | 4   | Reducer          |                               |            |                              |                             |                |
| 8    | 92705284 | 1   | Tube             |                               |            |                              |                             |                |
| 9    | 35321389 | 1   | Cap              |                               |            |                              |                             |                |
| 10   | 92478569 | 1   | Connector        |                               |            |                              |                             |                |
| 11   | 92705292 | 1   | Tube             |                               |            |                              |                             |                |
| 12   | 35279827 | 2   | Elbow            |                               |            |                              |                             |                |
| 13   | 92478247 | 1   | Elbow            |                               |            |                              |                             |                |
| 14   | 92705300 | 1   | Tube             |                               |            |                              |                             |                |
| 15   | 35279876 | 1   | Elbow            |                               |            |                              |                             |                |
| 16   | 92071380 | 1   | Connector        |                               |            |                              |                             |                |
| 17   | 92057066 | 1   | Tube             |                               |            |                              |                             |                |
| 18   | 92083245 | 1   | Tee              |                               |            |                              |                             |                |
| 19   | 92083260 | 1   | Tube             |                               |            |                              |                             |                |
| 20   | 92083252 | 1   | Tube             |                               |            |                              |                             |                |
| 21   | 35279801 | 2   | Elbow            |                               |            |                              |                             |                |
| 22   | 92534661 | 2   | Plug             |                               |            |                              |                             |                |
| 23   | 92705318 | 1   | Tube             |                               |            |                              |                             |                |



| Item | C.P.N.   | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92517747 | 1   | Adaptor        |                               |            |                              |                             |                |
| 2    | 92395557 | 1   | Elbow          |                               |            |                              |                             |                |
| 3    | 92721349 | 1   | Hose           |                               |            |                              |                             |                |
| 4    | 92254887 | 1   | Grommet        |                               |            |                              |                             |                |
| 5    | 92721350 | 1   | Bracket        |                               |            |                              |                             |                |
| 6    | 92698794 | 1   | Bracket        |                               |            |                              |                             |                |





| Item | C.P.N.   | Qty | COOLING SYSTEM | SYSTÈME DE<br>REFROIDISSEMENT | KÜHLSYSTEM | SISTEMA DE<br>RAFFREDDAMENTO | SISTEMA DE<br>REFRIGERACION | جهاز التبريد : |
|------|----------|-----|----------------|-------------------------------|------------|------------------------------|-----------------------------|----------------|
| 1    | 92698208 | 1   | Socket         |                               |            |                              |                             |                |
| 2    | 92677467 | 1   | Locknut        |                               |            |                              |                             |                |
| 3    | 92698182 | 1   | Hose           |                               |            |                              |                             |                |
| 4    | 92253905 | 1   | Elbow          |                               |            |                              |                             |                |
| 5    | 92677400 | 1   | Adaptor        |                               |            |                              |                             |                |
| 6    | 92321702 | 2   | Clip           |                               |            |                              |                             |                |
| 7    | 92698190 | 1   | Adaptor        |                               |            |                              |                             |                |

CONTROL AND  
MONITORING  
SYSTEM

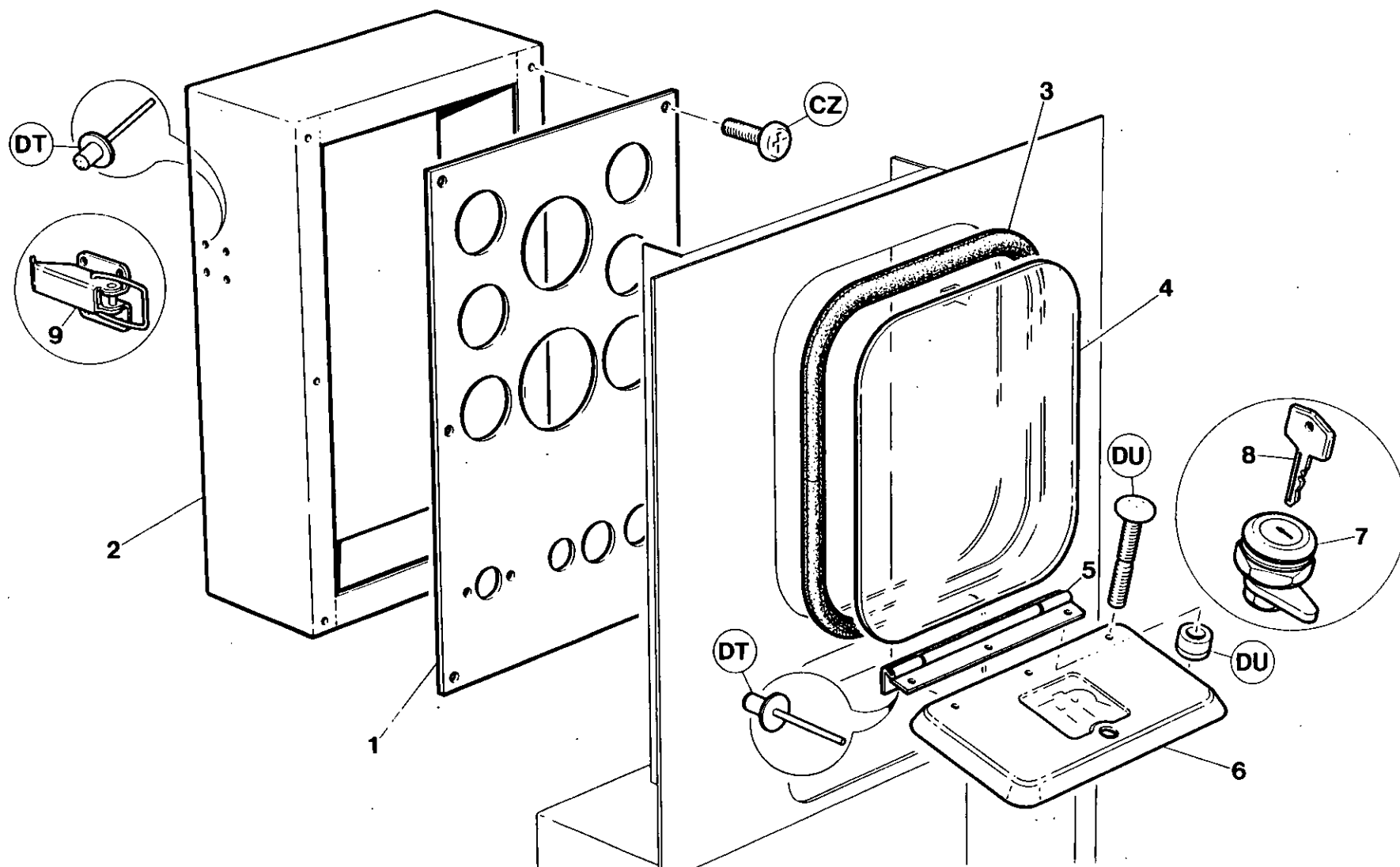
COMMANDES ET  
SYSTÈME DE  
CONTRÔLE

KONTROLL- UND  
ÜBERWACHUNG-  
SYSTEM

SISTEMA DI  
COMANDO  
E CONTROLLO

SISTEMA DE  
CONTROL  
Y SUPERVISION

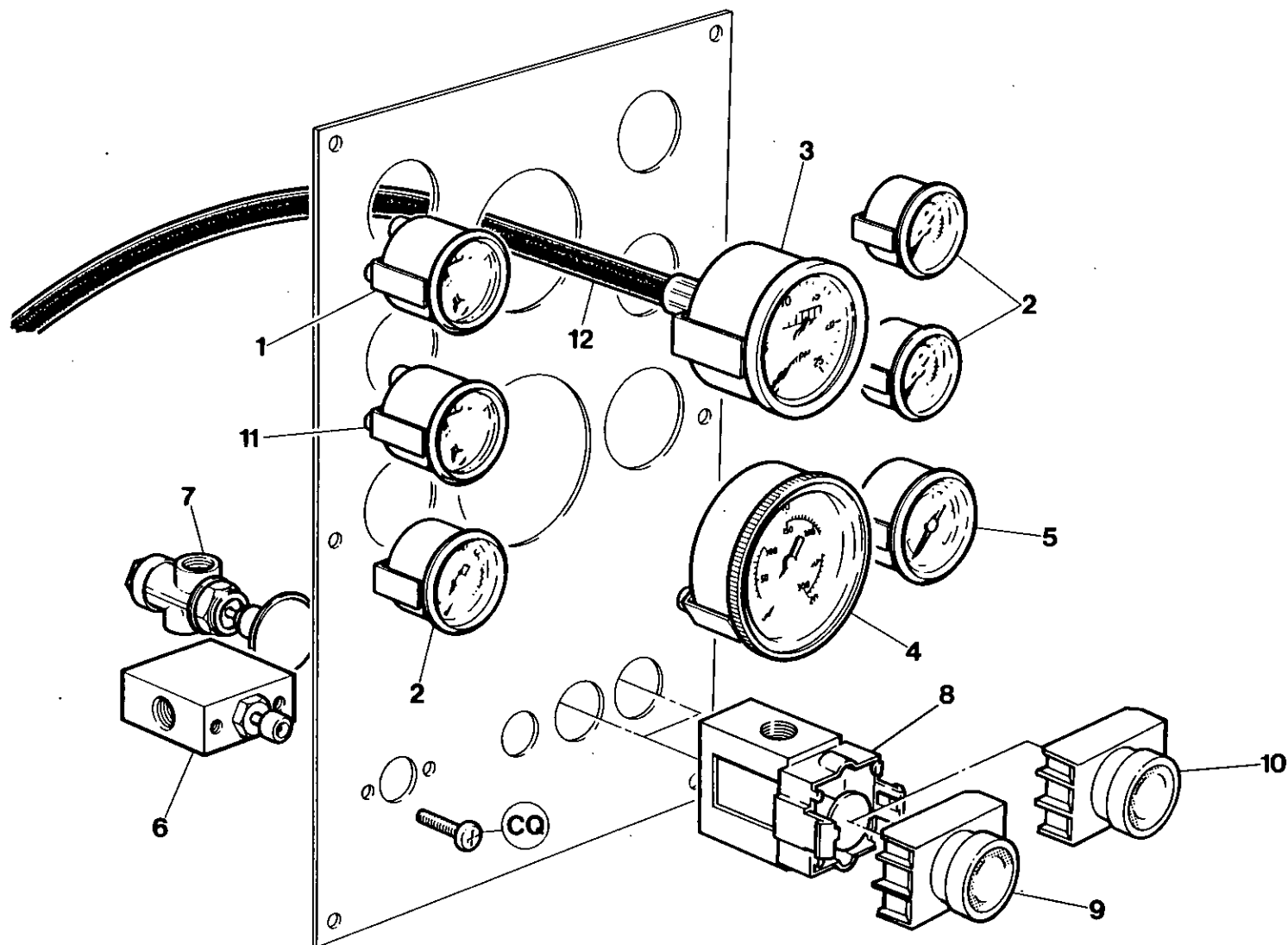
جهاز التحكم  
والمراقبة :



7.6.0

INGERSOLL-RAND

| Item | C.P.N.   | Qty | CONTROL AND<br>MONITORING<br>SYSTEM | COMMANDES ET<br>SYSTÈME DE<br>CONTRÔLE | KONTROLL- UND<br>ÜBERWACHUNGS-<br>SYSTEM | SISTEMA DI<br>COMANDO<br>E CONTROLLO | SISTEMA DE<br>CONTROL<br>Y SUPERVISION | جهاز التحكم<br>والمرافقة : |
|------|----------|-----|-------------------------------------|----------------------------------------|------------------------------------------|--------------------------------------|----------------------------------------|----------------------------|
| 1    | 92698265 | 1   | Facia                               |                                        |                                          |                                      |                                        |                            |
| 2    | 92540756 | 1   | Enclosure                           |                                        |                                          |                                      |                                        |                            |
| 3    | 35251800 | 2m  | Seal                                |                                        |                                          |                                      |                                        |                            |
| 4    | 92061811 | 1   | Window                              |                                        |                                          |                                      |                                        |                            |
| 5    | 92119882 | 1   | Hinge                               |                                        |                                          |                                      |                                        |                            |
| 6    | 92119924 | 1   | Door                                |                                        |                                          |                                      |                                        |                            |
| 7    | 92119932 | 1   | Lock                                |                                        |                                          |                                      |                                        |                            |
| 8    | 92041987 | 1   | Key                                 |                                        |                                          |                                      |                                        |                            |
| 9    | 92042696 | 2   | Latch                               |                                        |                                          |                                      |                                        |                            |



| Item | C.P.N.   | Qty | CONTROL AND<br>MONITORING<br>SYSTEM | COMMANDES ET<br>SYSTÈME DE<br>CONTRÔLE | KONTROLL- UND<br>ÜBERWACHUNGS-<br>SYSTEM | SISTEMA DI<br>COMANDO<br>E CONTROLLO | SISTEMA DE<br>CONTROL<br>Y SUPERVISION | جهاز التحكم<br>والمرافقة : |
|------|----------|-----|-------------------------------------|----------------------------------------|------------------------------------------|--------------------------------------|----------------------------------------|----------------------------|
| 1    | 92721448 | 1   | Temperature Gauge                   |                                        |                                          |                                      |                                        |                            |
| 2    | 92124692 | 3   | Pressure Gauge                      |                                        |                                          |                                      |                                        |                            |
| 3    | 92278787 | 1   | Tachometer                          |                                        |                                          |                                      |                                        |                            |
| 4    | 92698240 | 1   | Pressure Gauge                      |                                        |                                          |                                      |                                        |                            |
| 5    | 92698257 | 1   | Temperature Gauge                   |                                        |                                          |                                      |                                        |                            |
| 6    | 35583210 | 1   | Valve                               |                                        |                                          |                                      |                                        |                            |
| 7    | 03517232 | 1   | Control Valve                       |                                        |                                          |                                      |                                        |                            |
| 8    | 92681006 | 2   | Valve                               |                                        |                                          |                                      |                                        |                            |
| 9    | 92681022 | 1   | Push Button (Green)                 |                                        |                                          |                                      |                                        |                            |
| 10   | 92686856 | 1   | Push Button (Black)                 |                                        |                                          |                                      |                                        |                            |
| 11   | 92721430 | 1   | Temperature Gauge                   |                                        |                                          |                                      |                                        |                            |
| 12   | 92504703 | 1   | Cable                               |                                        |                                          |                                      |                                        |                            |

CONTROL AND  
MONITORING  
SYSTEM

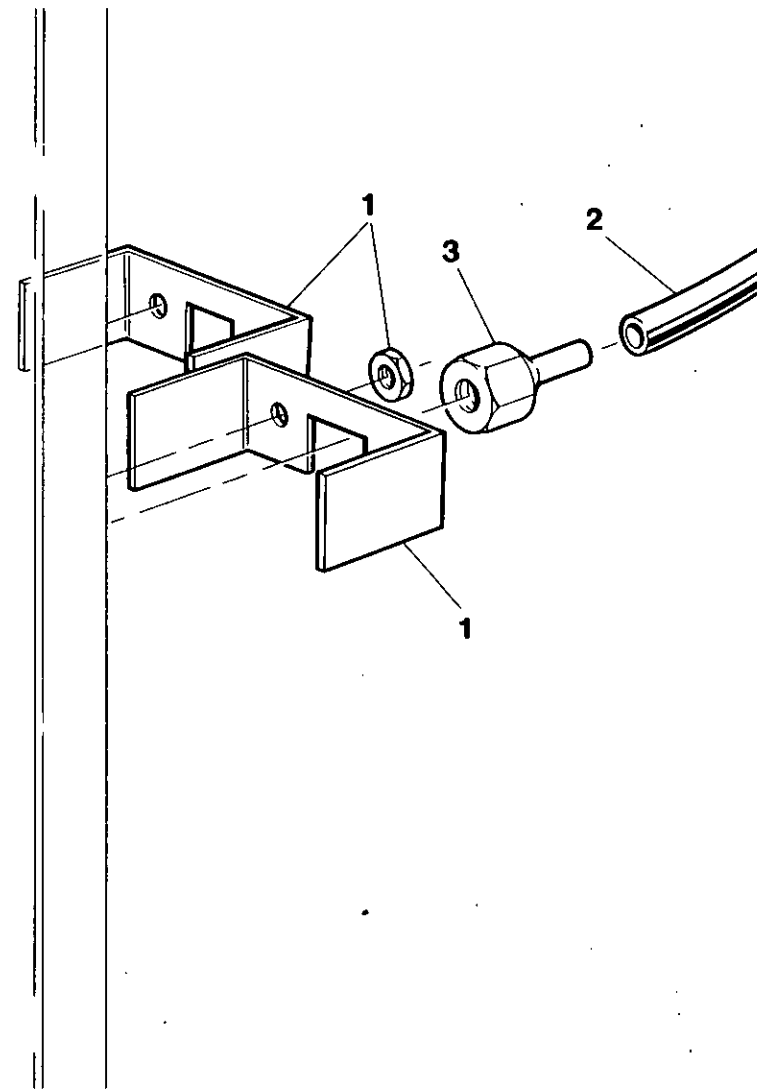
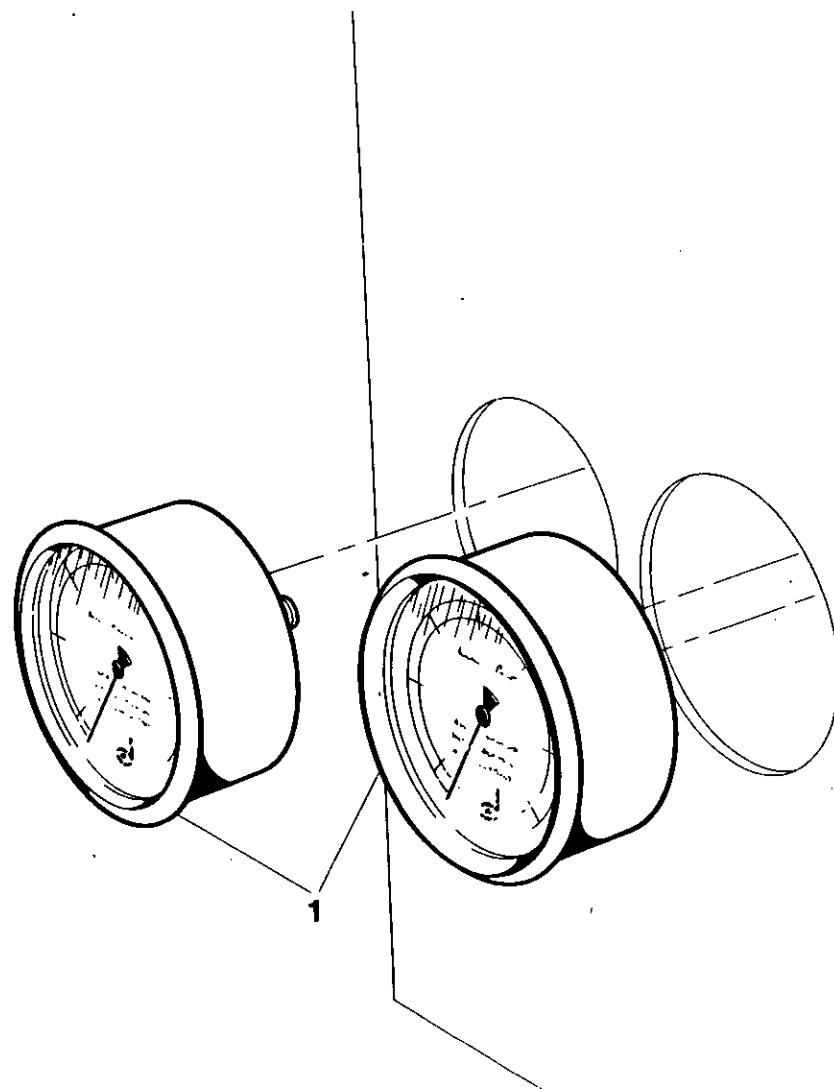
COMMANDES ET  
SYSTÈME DE  
CONTRÔLE

KONTROLL-UND  
ÜBERWACHUNGS-  
SYSTEM

SISTEMA DI  
COMANDO  
E CONTROLLO

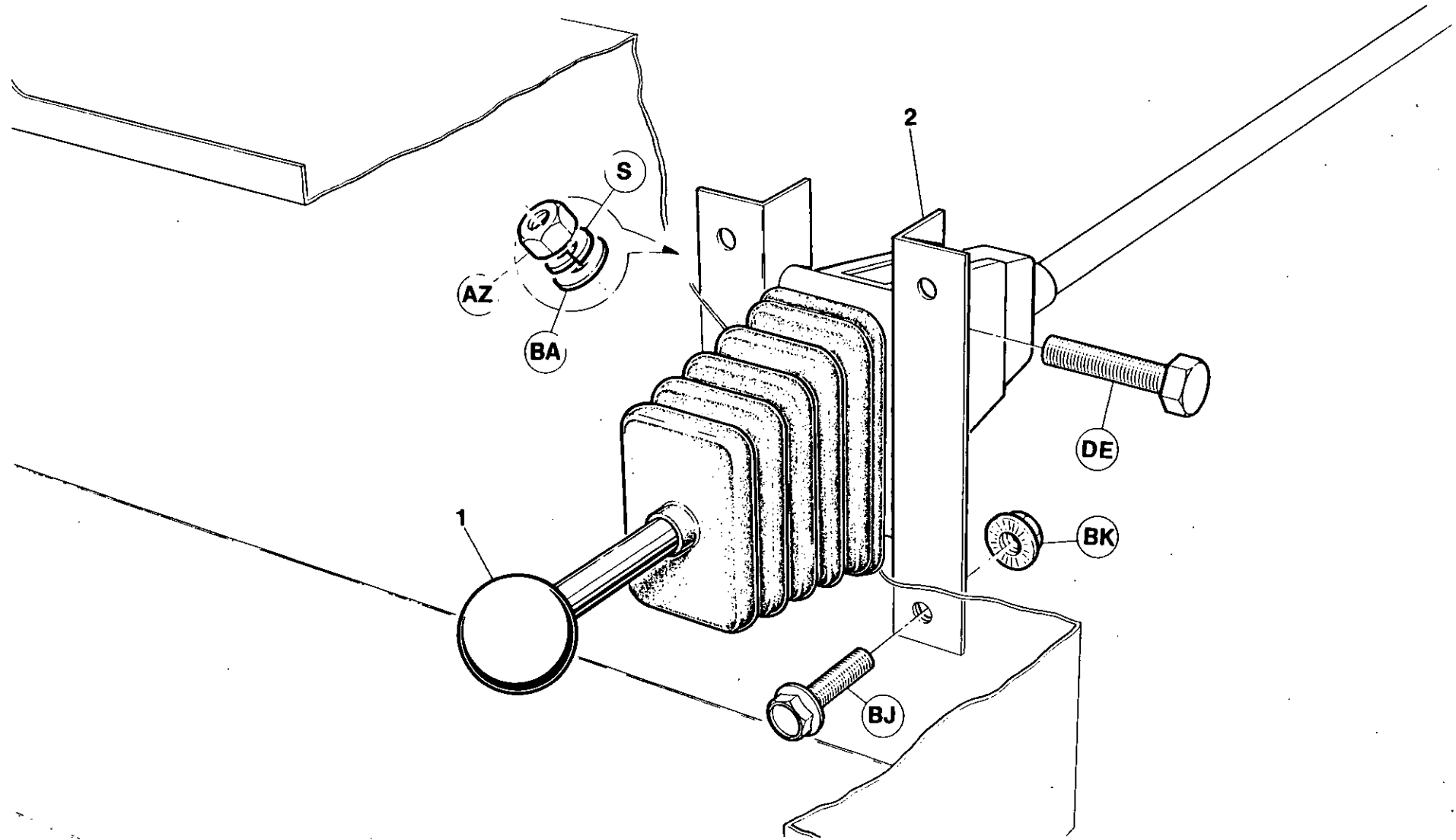
SISTEMA DE  
CONTROL  
Y SUPERVISION

جهاز التحكم  
والمراقبة



| Item | C.P.N.   | Qty  | CONTROL AND<br>MONITORING<br>SYSTEM | COMMANDES ET<br>SYSTÈME DE<br>CONTRÔLE | KONTROLL- UND<br>ÜBERWACHUNGS-<br>SYSTEM | SISTEMA DI<br>COMANDO<br>E CONTROLLO | SISTEMA DE<br>CONTROL<br>Y SUPERVISION | جهاز التحكم<br>والمراقبة : |
|------|----------|------|-------------------------------------|----------------------------------------|------------------------------------------|--------------------------------------|----------------------------------------|----------------------------|
| 1    | 92698273 | 2    | Indicator-Filter                    |                                        |                                          |                                      |                                        |                            |
| 2    | 92111335 | 3.5m | Tube                                |                                        |                                          |                                      |                                        |                            |
| 3    | 92055235 | 2    | Tailpiece                           |                                        |                                          |                                      |                                        |                            |





| Item | C.P.N.   | Qty | CONTROL AND<br>MONITORING<br>SYSTEM | COMMANDES ET<br>SYSTÈME DE<br>CONTRÔLE | KONTROLL- UND<br>ÜBERWACHUNGS-<br>SYSTEM | SISTEMA DI<br>COMANDO<br>E CONTROLLO | SISTEMA DE<br>CONTROL<br>Y SUPERVISION | جهاز التحكم<br>والمرافقة : |
|------|----------|-----|-------------------------------------|----------------------------------------|------------------------------------------|--------------------------------------|----------------------------------------|----------------------------|
| 1    | 92546415 | 1   | Cable & Lever Assy                  |                                        |                                          |                                      |                                        |                            |
| 2    | 92657964 | 2   | Bracket                             |                                        |                                          |                                      |                                        |                            |

SUB ASSEMBLY

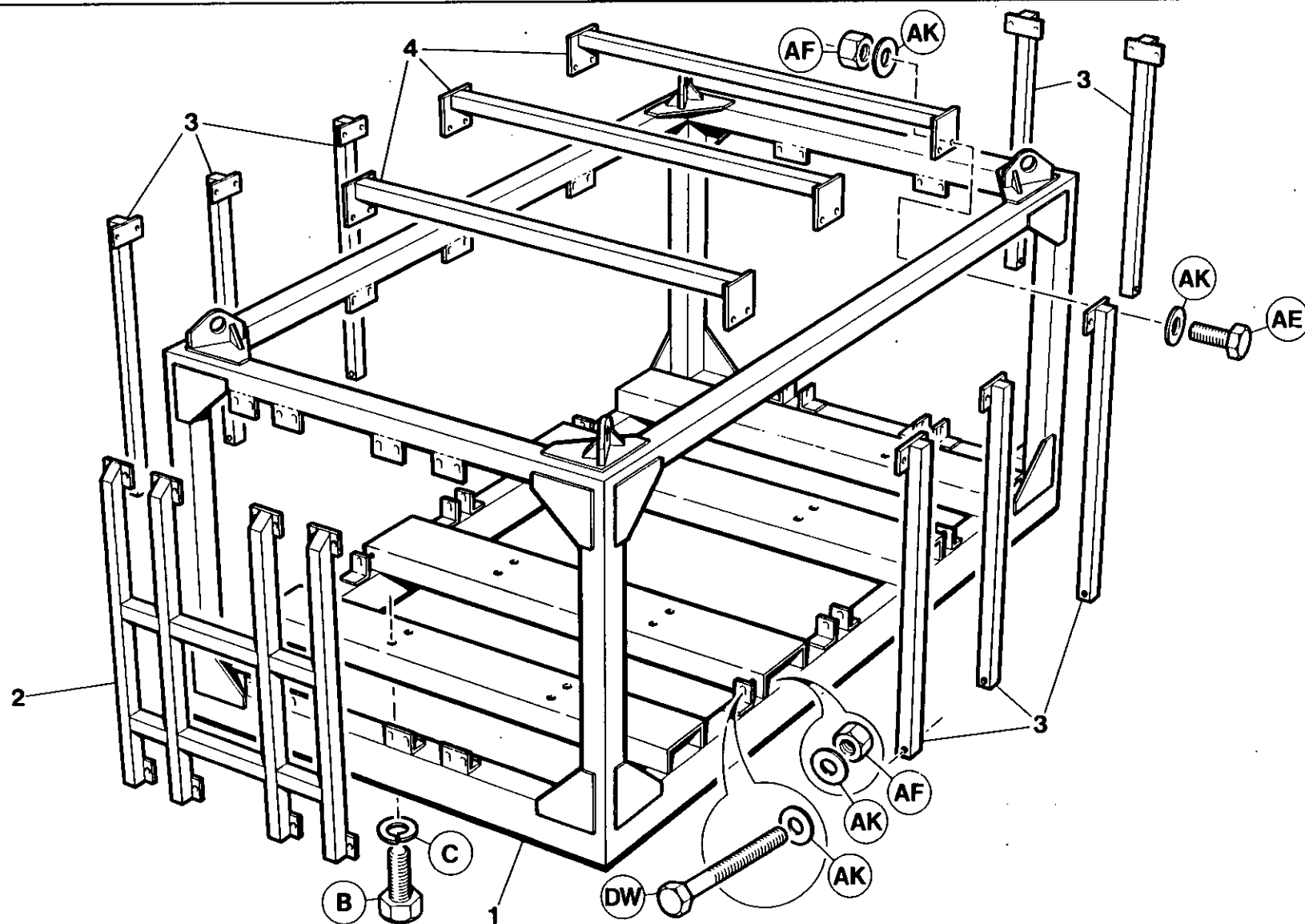
SOUS ENSEMBLE

SEKUNDÄRE  
UNTERGRUPPEN

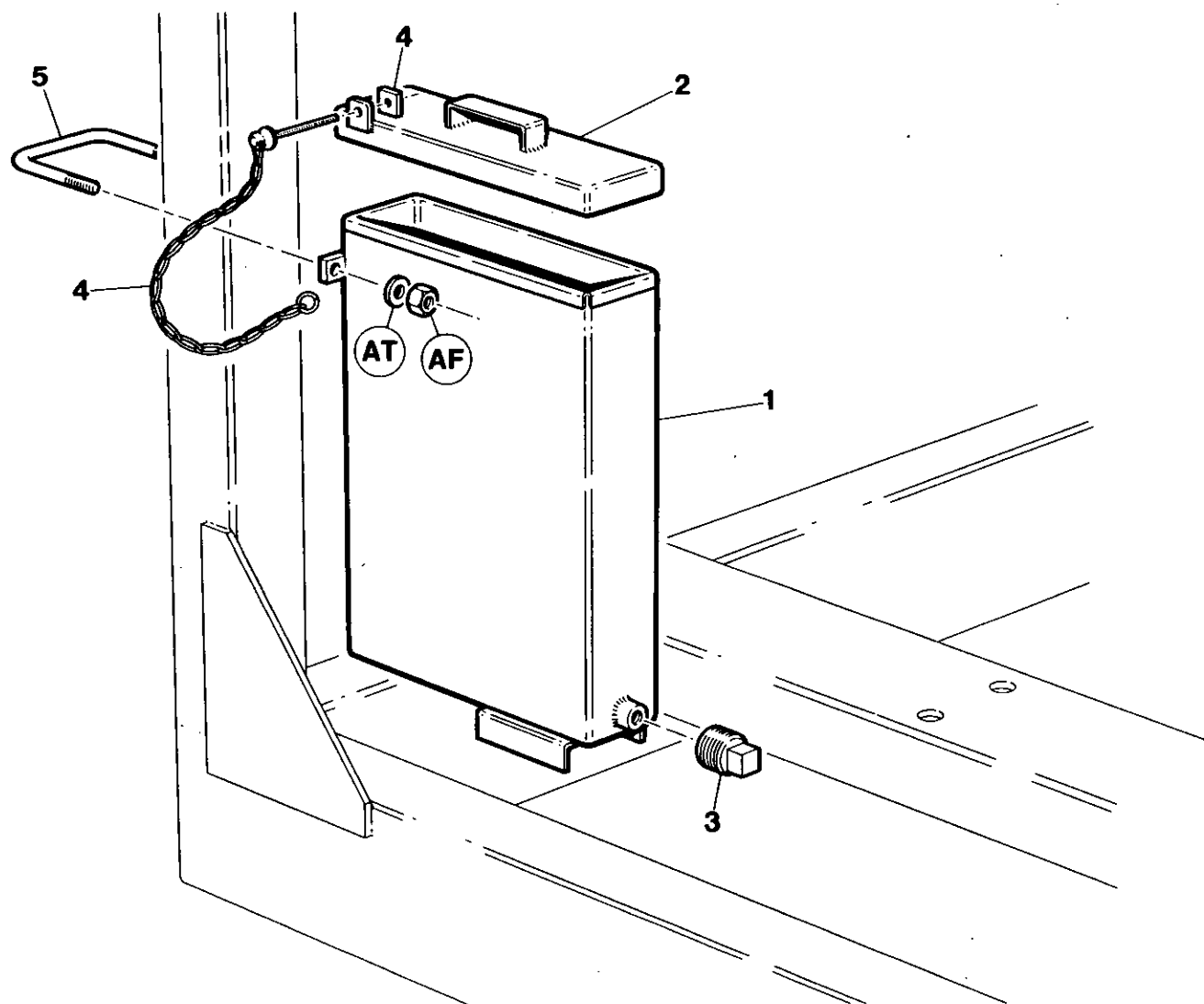
SOTTOGRUPPI

SUBCONJUNTOS

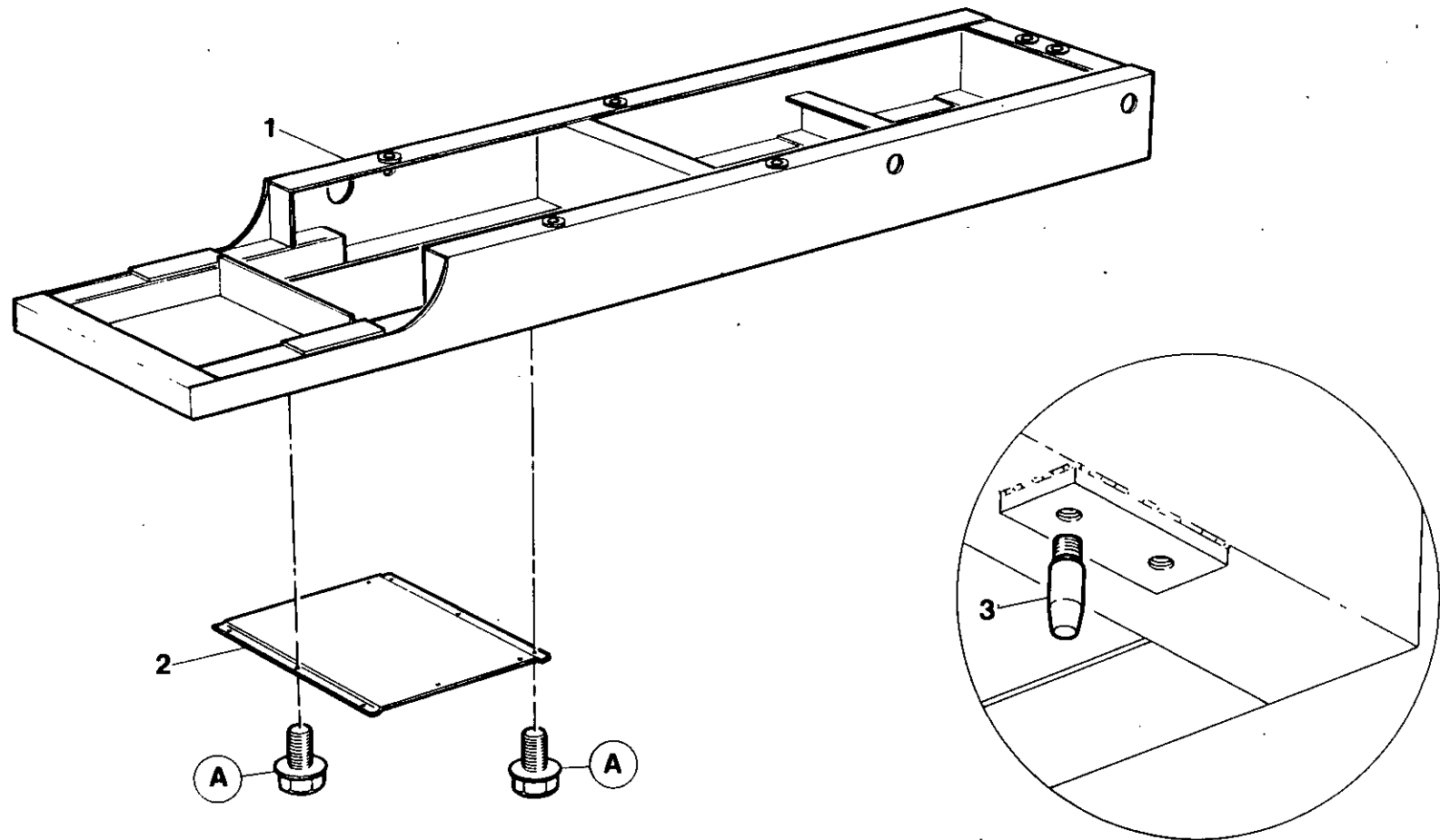
المجموعة الفرعية :

**7.7.0****INGERSOLL-RAND**

| Item | C.P.N.   | Qty | SUB ASSEMBLY         | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|------|----------|-----|----------------------|---------------|---------------------------|-------------|--------------|--------------------|
| 1    | 92679059 | 1   | Cradle               |               |                           |             |              |                    |
| 2    | 92698737 | 1   | Support, Front       |               |                           |             |              |                    |
| 3    | 92698745 | 8   | Support, Side & Rear |               |                           |             |              |                    |
| 4    | 92698752 | 3   | Support, Top         |               |                           |             |              |                    |



| Item | C.P.N.   | Qty | SUB ASSEMBLY | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|------|----------|-----|--------------|---------------|---------------------------|-------------|--------------|--------------------|
| 1    | 92657725 | 1   | Tank         |               |                           |             |              |                    |
| 2    | 92658293 | 1   | Lid          |               |                           |             |              |                    |
| 3    | 92257344 | 1   | Plug         |               |                           |             |              |                    |
| 4    | 92547827 | 1   | Chain        |               |                           |             |              |                    |
| 5    | 92549328 | 1   | Clamp        |               |                           |             |              |                    |



| Item | C.P.N.   | Qty | SUB ASSEMBLY | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|------|----------|-----|--------------|---------------|---------------------------|-------------|--------------|--------------------|
| 1    | 92719814 | 1   | Truck Frame  |               |                           |             |              |                    |
| 2    | 92042639 | 1   | Undertray    |               |                           |             |              |                    |
| 3    | 92656966 | 4   | Stud         |               |                           |             |              |                    |



SUB ASSEMBLY

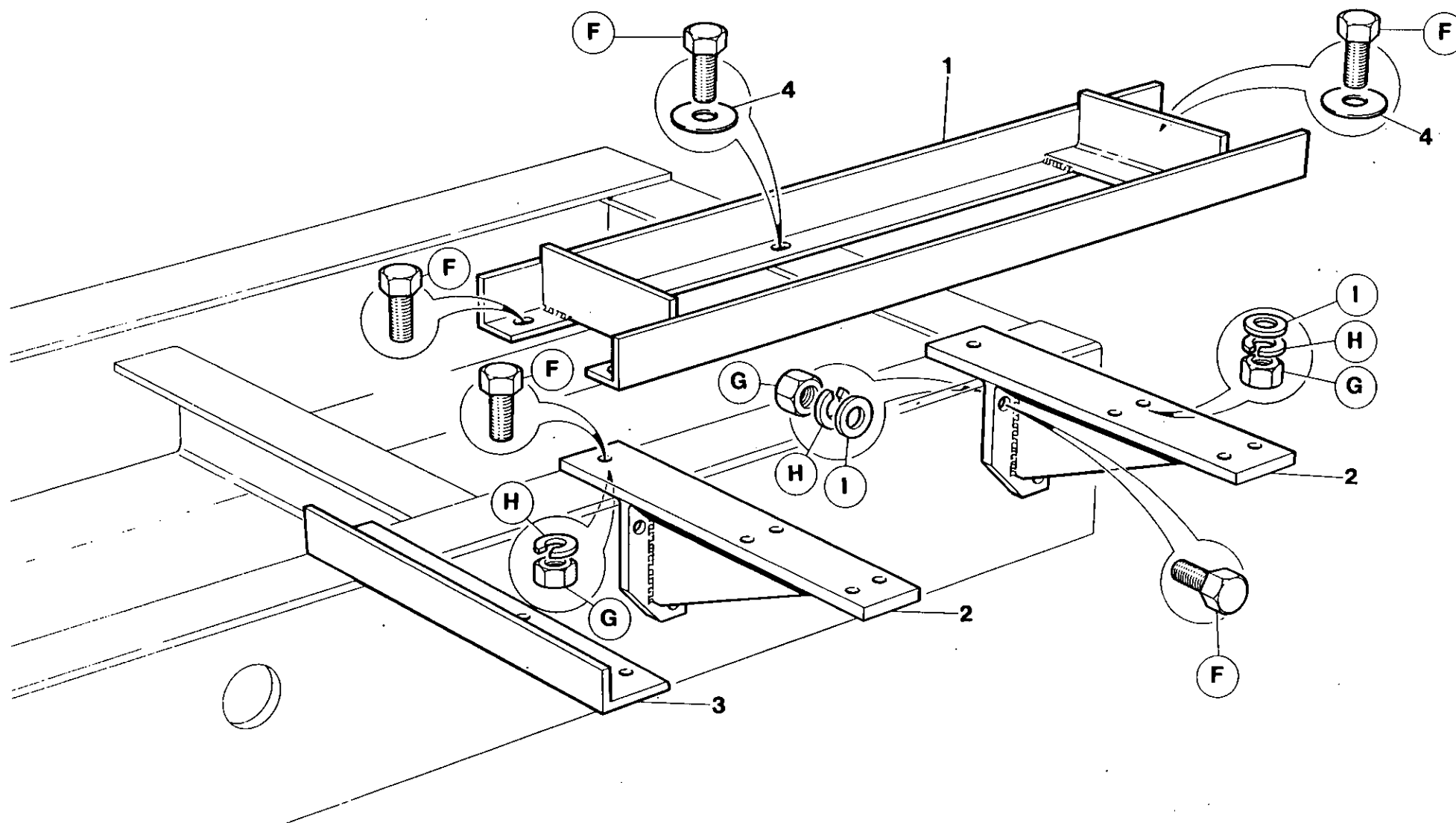
SOUS ENSEMBLE

SEKUNDÄRE  
UNTERGRUPPEN

SOTTOGRUPPI

SUBCONJUNTOS

المجموعة الفرعية :



7.7.6

INGERSOLL-RAND

| Item | C.P.N.   | Qty | SUB ASSEMBLY        | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|------|----------|-----|---------------------|---------------|---------------------------|-------------|--------------|--------------------|
| 1    | 92546555 | 1   | Frame               |               |                           |             |              |                    |
| 2    | 92546910 | 2   | Support             |               |                           |             |              |                    |
| 3    | 92546902 | 1   | Support             |               |                           |             |              |                    |
| 4    | 92058429 | 1   | Plate Load Spreader |               |                           |             |              |                    |

SUB ASSEMBLY

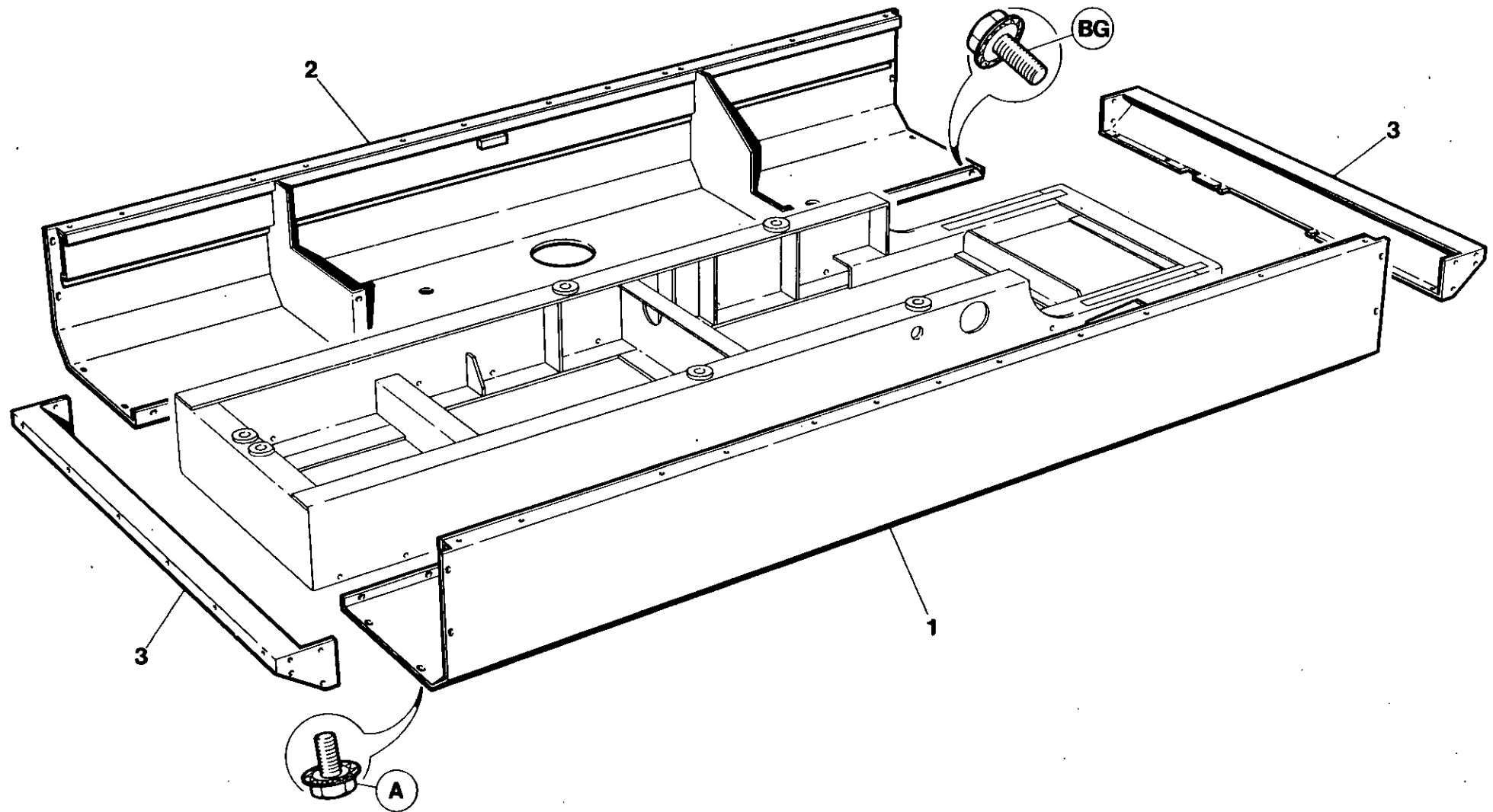
SOUS ENSEMBLE

SEKUNDÄRE  
UNTERGRUPPEN

SOTTOGRUPPI

SUBCONJUNTOS

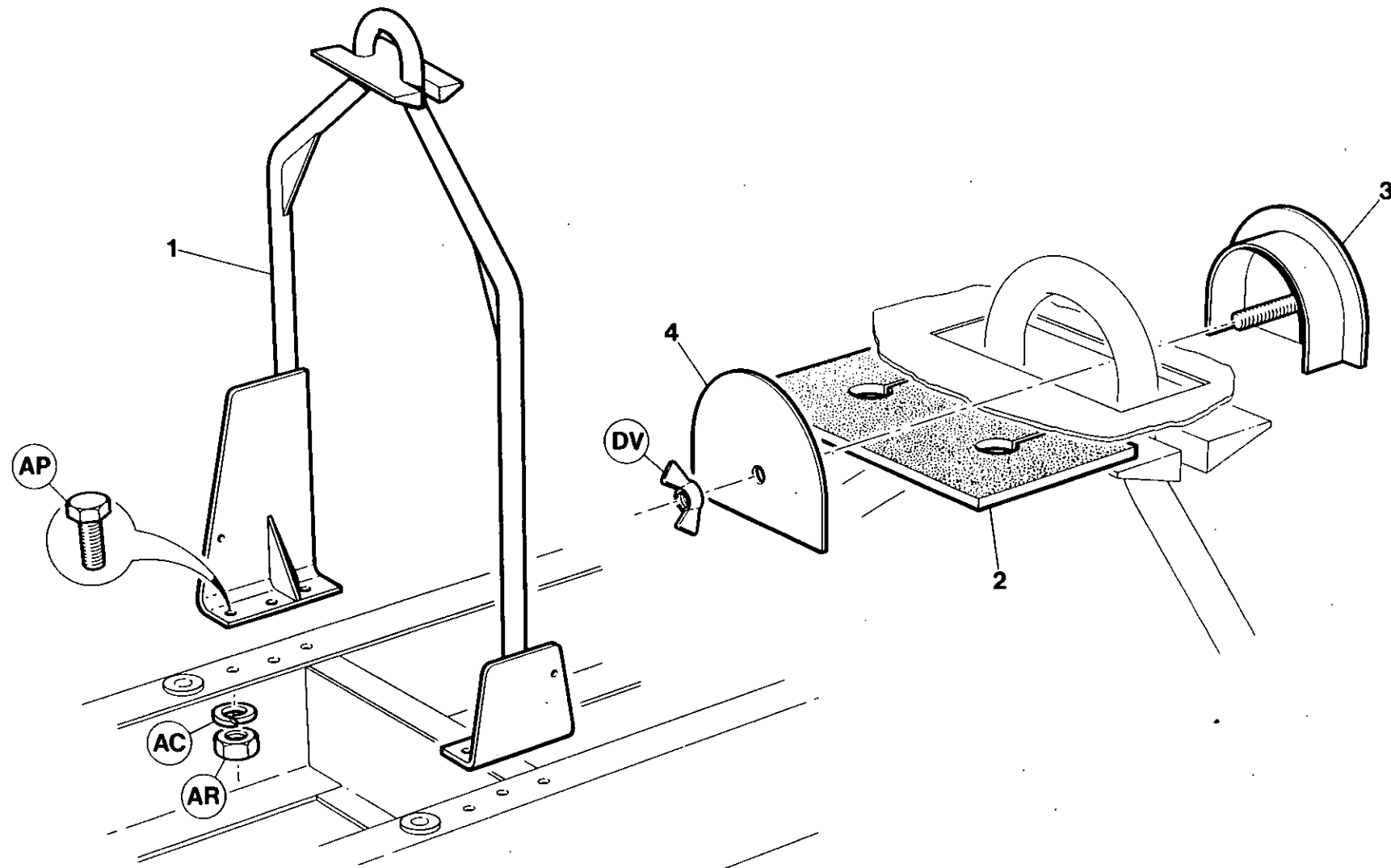
المجموعة الفرعية



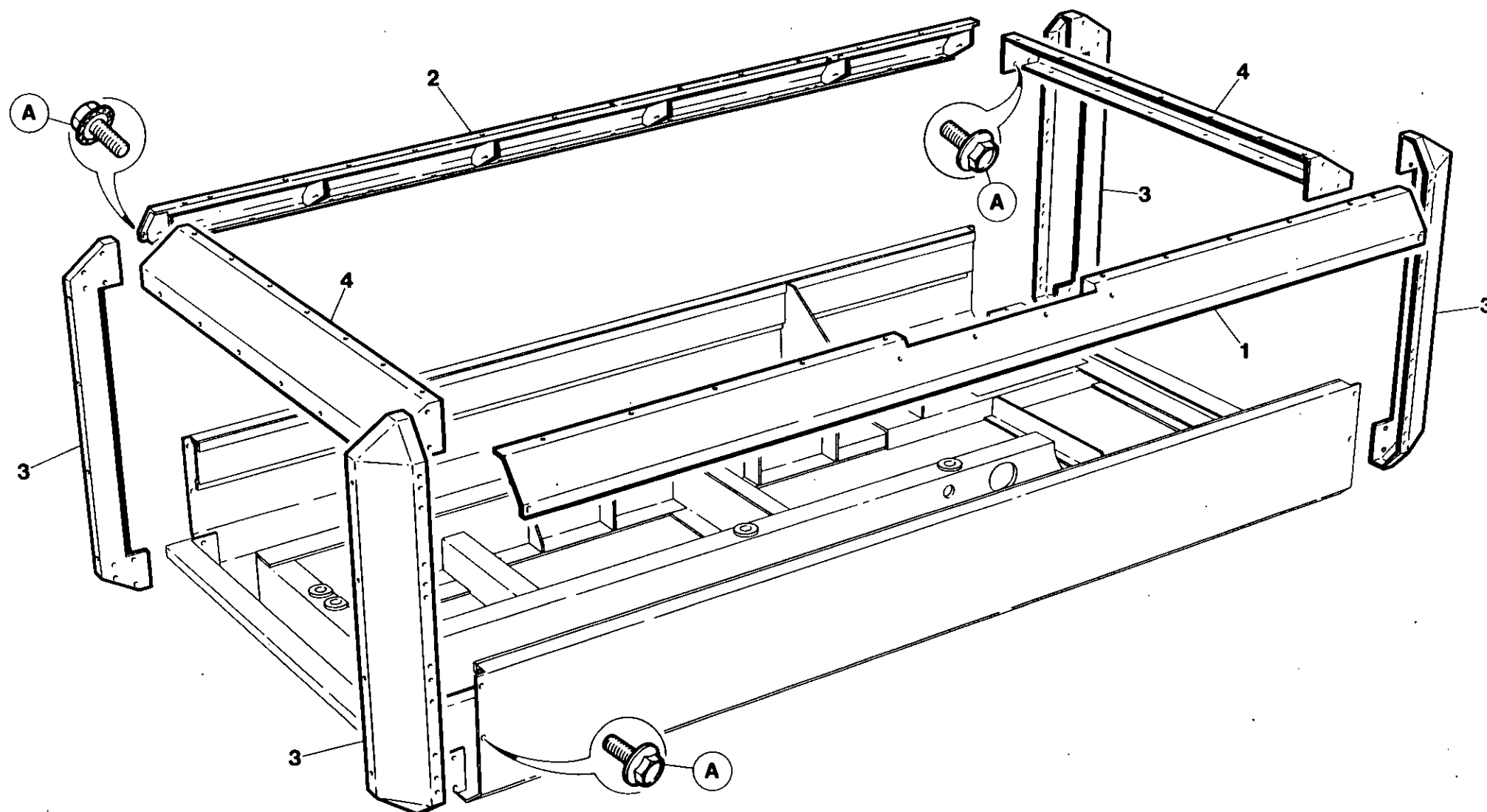
7.7.8

INGERSOLL-RAND

| Item | C.P.N.   | Qty | SUB ASSEMBLY          | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|------|----------|-----|-----------------------|---------------|---------------------------|-------------|--------------|--------------------|
| 1    | 92533405 | 1   | Lower Side Panel L.H. |               |                           |             |              |                    |
| 2    | 92533413 | 1   | Lower Side Panel R.H. |               |                           |             |              |                    |
| 3    | 92062009 | 2   | End Cap Bottom        |               |                           |             |              |                    |



| Item | C.P.N.   | Qty | SUB ASSEMBLY | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|------|----------|-----|--------------|---------------|---------------------------|-------------|--------------|--------------------|
| 1    | 92536747 | 1   | Lifting Ball |               |                           |             |              |                    |
| 2    | 92049105 | 1   | Pad          |               |                           |             |              |                    |
| 3    | 92549153 | 1   | Cover        |               |                           |             |              |                    |
| 4    | 92549161 | 1   | Clamp Plate  |               |                           |             |              |                    |



| Item | C.P.N.   | Qty | SUB ASSEMBLY          | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|------|----------|-----|-----------------------|---------------|---------------------------|-------------|--------------|--------------------|
| 1    | 92062066 | 1   | Upper Side Panel L.H. |               |                           |             |              |                    |
| 2    | 92062058 | 1   | Upper Side Panel R.H. |               |                           |             |              |                    |
| 3    | 92061993 | 4   | Corner                |               |                           |             |              |                    |
| 4    | 92061985 | 2   | End Cap Top           |               |                           |             |              |                    |



SUB ASSEMBLY

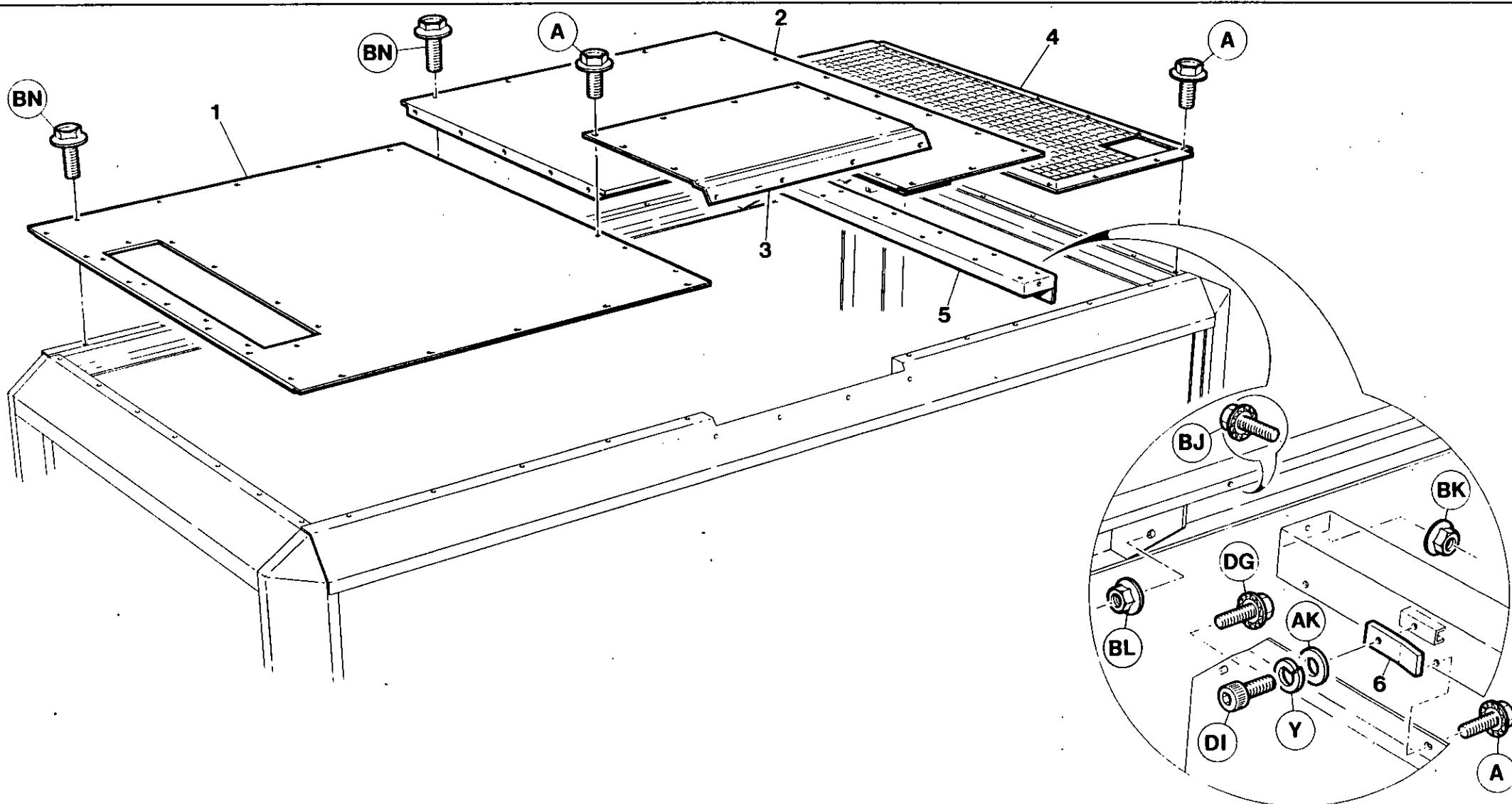
SOUS ENSEMBLE

SEKUNDÄRE  
UNTERGRUPPEN

SOTTOGRUPPI

SUBCONJUNTOS

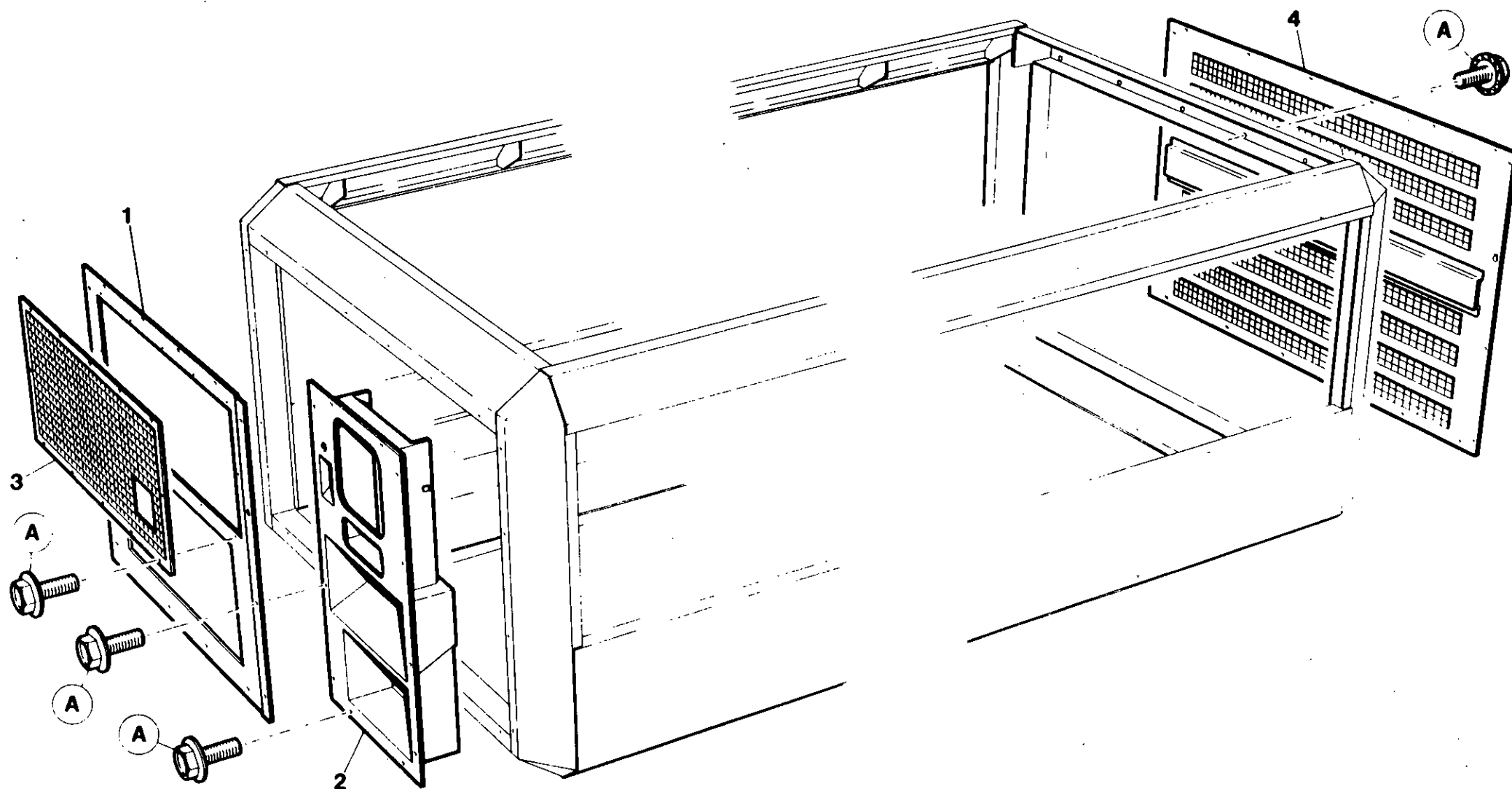
المجموعة الفرعية



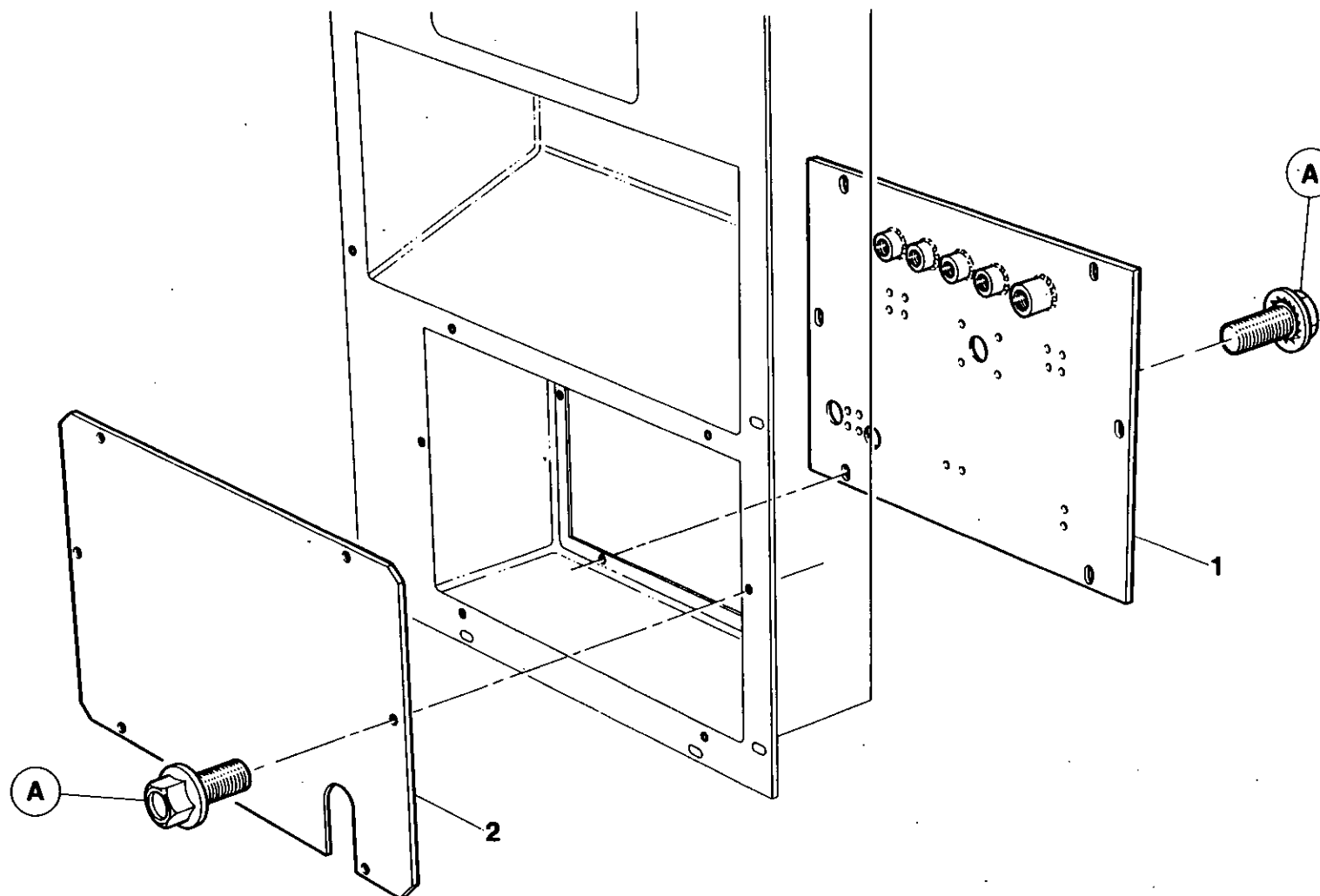
7.7.14

INGERSOLL-RAND

| Item | C.P.N.   | Qty | SUB ASSEMBLY | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|------|----------|-----|--------------|---------------|---------------------------|-------------|--------------|--------------------|
| 1    | 92713551 | 1   | Roof Front   |               |                           |             |              |                    |
| 2    | 92536754 | 1   | Roof Middle  |               |                           |             |              |                    |
| 3    | 92064526 | 1   | Access Panel |               |                           |             |              |                    |
| 4    | 92666049 | 1   | Grill        |               |                           |             |              |                    |
| 5    | 92713601 | 1   | Beam         |               |                           |             |              |                    |
| 6    | 92517762 | 2   | Clamp        |               |                           |             |              |                    |
| 7    | 92549146 | 1   | Cover        |               |                           |             |              |                    |



| Item | C.P.N.   | Qty | SUB ASSEMBLY                       | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|------|----------|-----|------------------------------------|---------------|---------------------------|-------------|--------------|--------------------|
| 1    | 92679018 | 1   | End Panel Front L.H. (Aftercooler) |               |                           |             |              |                    |
| 2    | 92540541 | 1   | End Panel Front R.H.               |               |                           |             |              |                    |
| 3    | 92540236 | 1   | Grille                             |               |                           |             |              |                    |
| 4    | 92536606 | 1   | End Panel Rear                     |               |                           |             |              |                    |



| Item | C.P.N.   | Qty | SUB ASSEMBLY   | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|------|----------|-----|----------------|---------------|---------------------------|-------------|--------------|--------------------|
| 1    | 92547728 | 1   | Mounting Panel |               |                           |             |              |                    |
| 2    | 92547710 | 1   | Access Panel   |               |                           |             |              |                    |

SUB ASSEMBLY

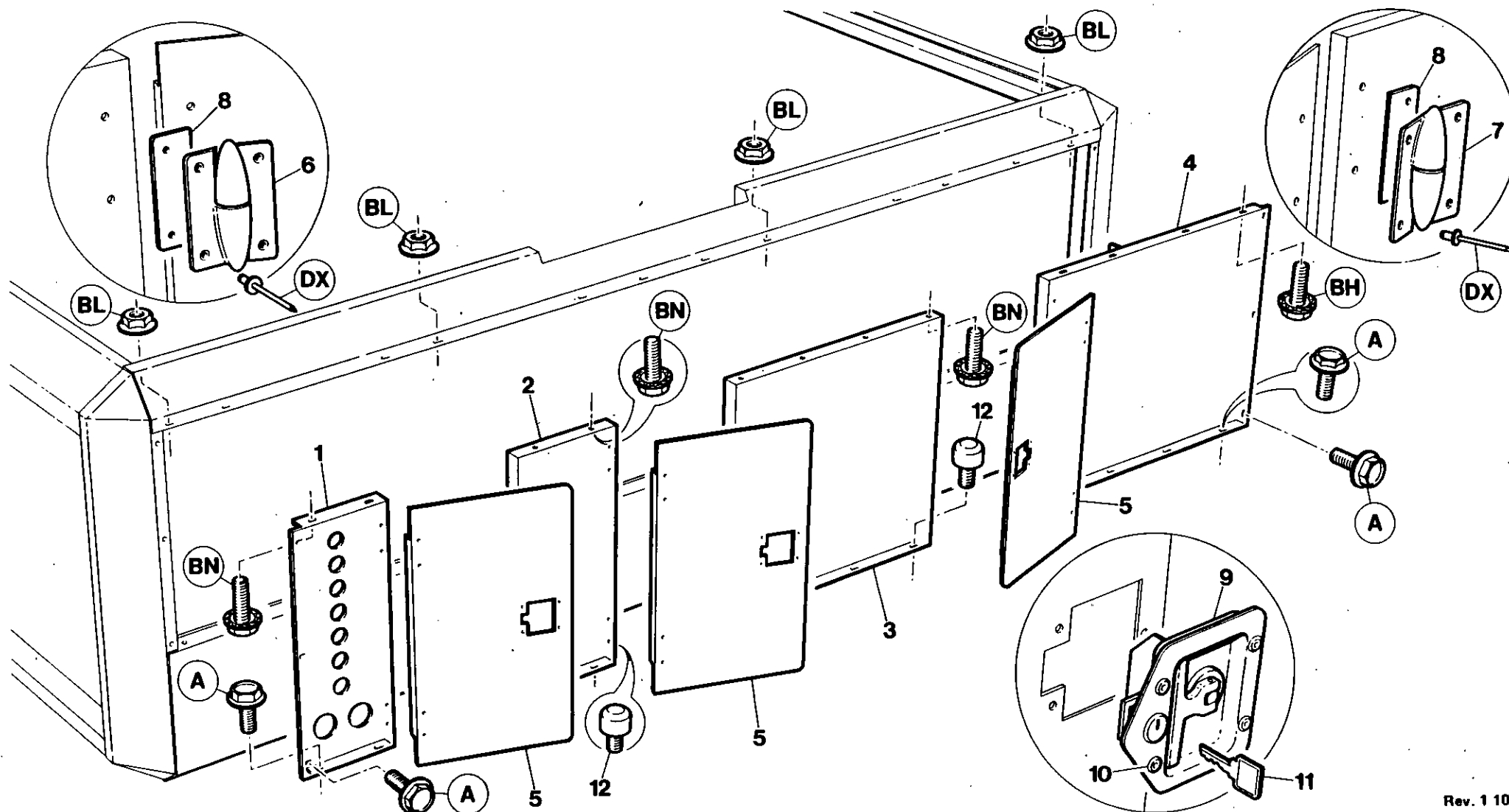
SOUS ENSEMBLE

SEKUNDÄRE  
UNTERGRUPPEN

SOTTOGRUPPI

SUBCONJUNTOS

المجموعة الفرعية



Rev. 1 10/88

7.7.20

INGERSOLL-RAND

| Item | C.P.N.   | Qty | SUB ASSEMBLY     | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية |
|------|----------|-----|------------------|---------------|---------------------------|-------------|--------------|------------------|
| 1    | 92713569 | 1   | Side Panel Front |               |                           |             |              |                  |
| 2    | 92549476 | 1   | Door Pillar      |               |                           |             |              |                  |
| 3    | 92533504 | 1   | Centre Panel     |               |                           |             |              |                  |
| 4    | 92533496 | 1   | Side Panel       |               |                           |             |              |                  |
| 5    | 92540277 | 3   | Door             |               |                           |             |              |                  |
| 6    | 92540699 | 4   | Hinge L.H.       |               |                           |             |              |                  |
| 7    | 92540285 | 2   | Hinge R.H.       |               |                           |             |              |                  |
| 8    | 92540582 | 6   | Spacer           |               |                           |             |              |                  |
| 9    | 92757079 | 3   | Latch            |               |                           |             |              |                  |
| 10   | 92766690 | 12  | Rivet            |               |                           |             |              |                  |
| 11   | 92094358 | 3   | Key              |               |                           |             |              |                  |
| 12   | 92035187 | 6   | Pin              |               |                           |             |              |                  |



SUB ASSEMBLY

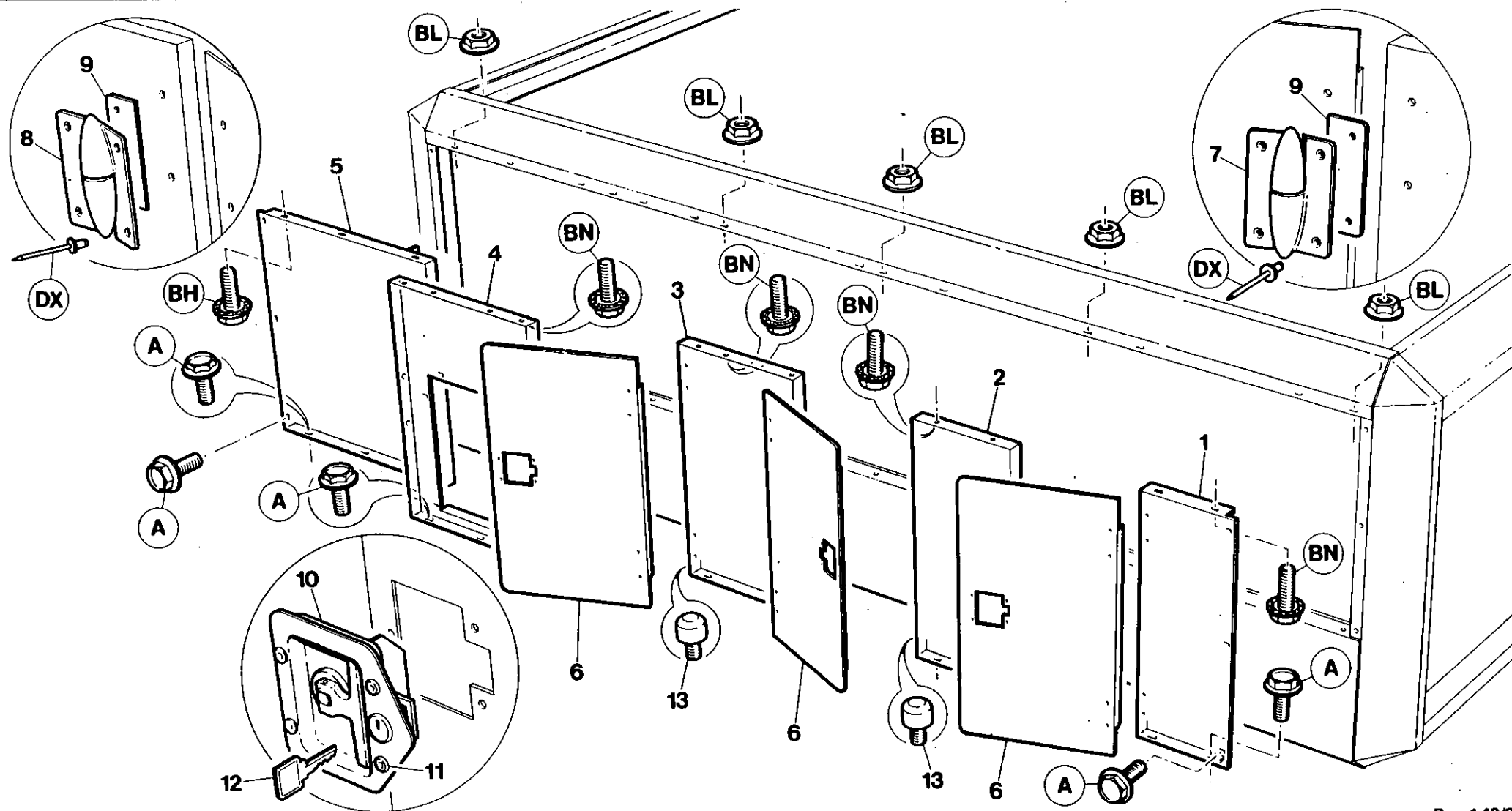
SOUS ENSEMBLE

SEKUNDÄRE  
UNTERGRUPPEN

SOTTOGRUPPI

SUBCONJUNTOS

المجموعة الفرعية

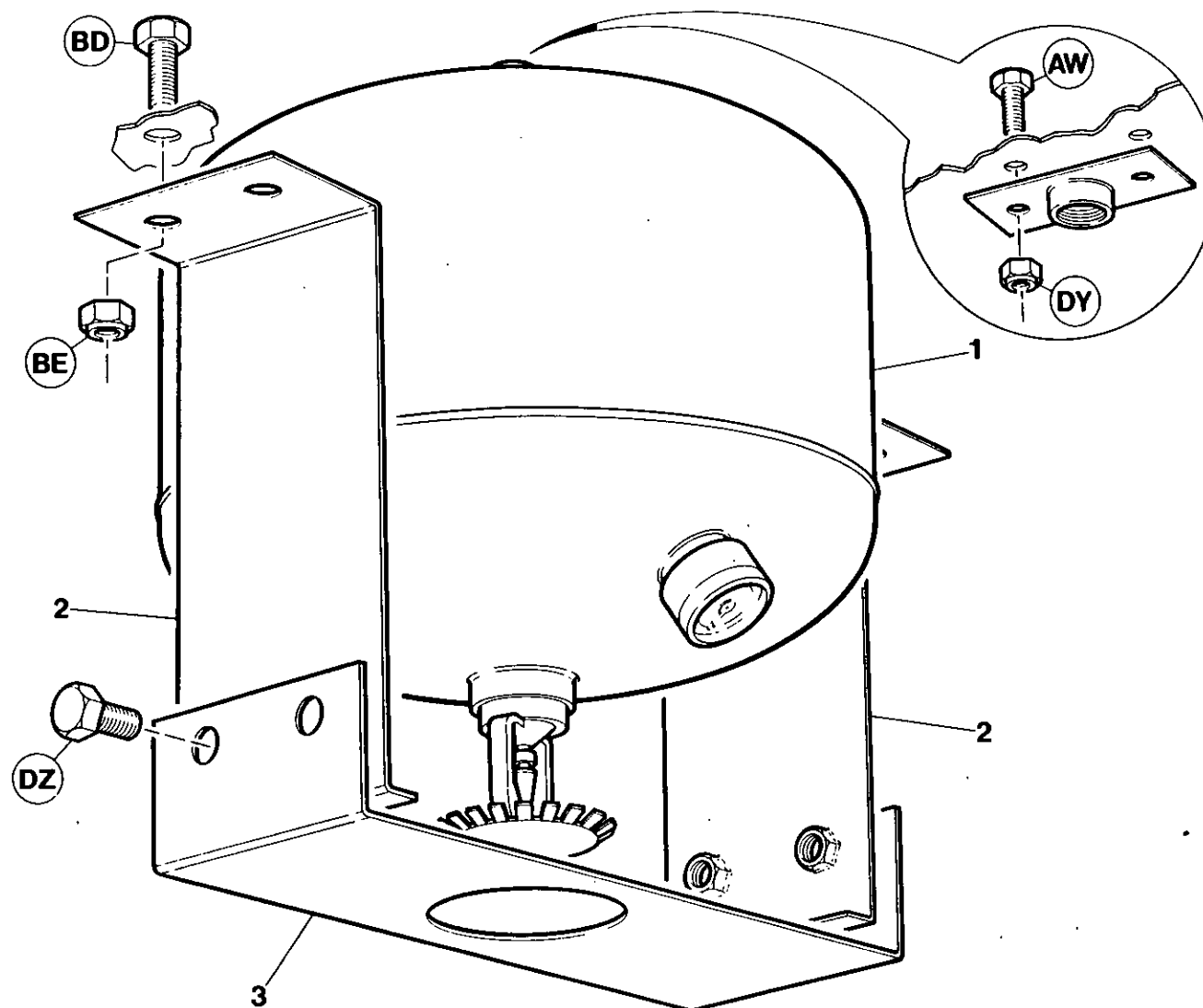


Rev. 1 10/88

7.7.22

INGERSOLL-RAND

| Item | C.P.N.   | Qty | SUB ASSEMBLY           | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|------|----------|-----|------------------------|---------------|---------------------------|-------------|--------------|--------------------|
| 1    | 92549484 | 1   | Side Panel Front       |               |                           |             |              |                    |
| 2    | 92549476 | 1   | Door Pillar            |               |                           |             |              |                    |
| 3    | 92540293 | 1   | Centre Panel           |               |                           |             |              |                    |
| 4    | 92540566 | 1   | Side Panel Fuel Filler |               |                           |             |              |                    |
| 5    | 92065267 | 1   | Side Panel             |               |                           |             |              |                    |
| 6    | 92540277 | 3   | Door                   |               |                           |             |              |                    |
| 7    | 92540285 | 4   | Hinge R.H.             |               |                           |             |              |                    |
| 8    | 92540699 | 2   | Hinge L.H.             |               |                           |             |              |                    |
| 9    | 92540582 | 6   | Spacer                 |               |                           |             |              |                    |
| 10   | 92757079 | 3   | Latch                  |               |                           |             |              |                    |
| 11   | 92766690 | 12  | Rivet                  |               |                           |             |              |                    |
| 12   | 92094358 | 3   | Key                    |               |                           |             |              |                    |
| 13   | 92035187 | 4   | Pin                    |               |                           |             |              |                    |



| Item | C.P.N. | Qty | SUB ASSEMBLY | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS . | المجموعة الفرعية : |
|------|--------|-----|--------------|---------------|---------------------------|-------------|----------------|--------------------|
|------|--------|-----|--------------|---------------|---------------------------|-------------|----------------|--------------------|

|   |          |   |                   |  |  |  |  |  |
|---|----------|---|-------------------|--|--|--|--|--|
| 1 | 92548833 | 1 | Fire Extinguisher |  |  |  |  |  |
| 2 | 92708775 | 2 | Bracket           |  |  |  |  |  |
| 3 | 92708783 | 1 | Bracket           |  |  |  |  |  |

| Item    | C.P.N.   | Qty | SUB ASSEMBLY              | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|---------|----------|-----|---------------------------|---------------|---------------------------|-------------|--------------|--------------------|
| (1, 29) | 92540368 | 1   | External Decal Set        |               |                           |             |              |                    |
| 1       | 92548684 | 1   | I-R Specification         |               |                           |             |              |                    |
| 2       | 92548692 | 1   | Warning Restart           |               |                           |             |              |                    |
| 3       | 92548700 | 1   | Operating Instructions    |               |                           |             |              |                    |
| 4       | 92548718 | 1   | Daily Service Routine     |               |                           |             |              |                    |
| 5       | 92548726 | 1   | Fill Radiator Here        |               |                           |             |              |                    |
| 6       | 92548734 | 2   | Radiator Filler           |               |                           |             |              |                    |
| 7       | 92548742 | 1   | Fuel Filler               |               |                           |             |              |                    |
| 8       | 92548759 | 1   | Water Separator Drain     |               |                           |             |              |                    |
| 9       | 92548767 | 1   | Engine Oil Drain          |               |                           |             |              |                    |
| 10      | 92548775 | 1   | Air Start Drain           |               |                           |             |              |                    |
| 11      | 92548783 | 1   | Air Start Receiver        |               |                           |             |              |                    |
| 12      | 92548791 | 1   | Radiator Drain            |               |                           |             |              |                    |
| 13      | 92548809 | 1   | Oil Drain                 |               |                           |             |              |                    |
| 14      | 92768274 | 1   | N/Plate 110v Yellow Alert |               |                           |             |              |                    |
| 15      | 92548825 | 1   | Flame Arrestor            |               |                           |             |              |                    |
| 16      | 92657386 | 1   | Very Important            |               |                           |             |              |                    |
| 17      | 92657394 | 1   | Stop Reset                |               |                           |             |              |                    |
| 18      | 92661669 | 1   | Tell Tales                |               |                           |             |              |                    |
| 19      | 92660943 | 1   | Filter Indicators         |               |                           |             |              |                    |
| 20      | 92660919 | 1   | Overspeed Valve Reset     |               |                           |             |              |                    |
| 21      | 92660927 | 1   | Fuel Valve Reset          |               |                           |             |              |                    |
| 22      | 92660935 | 1   | Vibration Valve Reset     |               |                           |             |              |                    |
| 23      | 92661958 | 1   | Horn Stop                 |               |                           |             |              |                    |
| 24      | 92049337 | 1   | Stripe LH                 |               |                           |             |              |                    |
| 25      | 92049345 | 1   | Stripe RH                 |               |                           |             |              |                    |
| 26      | 92049436 | 2   | HP 750 RH                 |               |                           |             |              |                    |
| 27      | 92512581 | 3   | I-R Logo                  |               |                           |             |              |                    |
| 28      | 92512573 | 1   | I-R Logo                  |               |                           |             |              |                    |
| 29      | 92777838 | 1   | Top Up Lub. Daily         |               |                           |             |              |                    |
| 30      | 92772862 | 1   | Gross Wt. 6000 kg         |               |                           |             |              |                    |

| Item  | C.P.N.   | Qty | SUB ASSEMBLY                   | SOUS ENSEMBLE | SEKUNDÄRE<br>UNTERGRUPPEN | SOTTOGRUPPI | SUBCONJUNTOS | المجموعة الفرعية : |
|-------|----------|-----|--------------------------------|---------------|---------------------------|-------------|--------------|--------------------|
| (1-7) | 92540376 | 1   | Internal Decal Set             |               |                           |             |              |                    |
| 1     | 92657808 | 1   | Pneumatic Control<br>System    |               |                           |             |              |                    |
| 2     | 92662139 | 1   | Oil Level                      |               |                           |             |              |                    |
| 3     | 92660950 | 1   | Oil Filler                     |               |                           |             |              |                    |
| 4     | 92660968 | 1   | Oil Dipstick                   |               |                           |             |              |                    |
| 5     | 92660976 | 1   | Safety Circuit Reset           |               |                           |             |              |                    |
| 6     | 92548817 | 1   | Yellow Alert<br>Connection 24v |               |                           |             |              |                    |
| 7     | 92543734 | 1   | Radiator Filler                |               |                           |             |              |                    |

| Item | C.P.N.   | Qty | FASTENERS              |
|------|----------|-----|------------------------|
| A    | 92368687 |     | M6 x 12 Taptite Screw  |
| B    | 92367663 |     | M16 x 35 Setscrew      |
| C    | 92359371 |     | M16 Lockwasher         |
| D    | 92398569 |     | M16 x 65 Bolt          |
| E    | 92311695 |     | M16 Locknut            |
| F    | 90103185 |     | M12 x 30 Setscrew      |
| G    | 90103854 |     | M12 Nut                |
| H    | 92304682 |     | M12 Lockwasher         |
| I    | 92329341 |     | M12 Washer             |
| J    | 92304401 |     | M10 x 25 Setscrew      |
| K    | 95081857 |     | 3/8 dia. Spring Washer |
| L    | 95214987 |     | 5/8 x 1 1/4 Setscrew   |
| M    | 95081790 |     | 5/8 Lockwasher         |
| N    | 92311703 |     | M16 x 100 Bolt         |
| O    | 90103839 |     | M16 Nut                |
| P    | 92271667 |     | 3/4 Nut                |
| Q    | 92359363 |     | M16 Washer             |
| R    | 90141078 |     | M8 x 25 Setscrew       |
| S    | 92304666 |     | M8 Lockwasher          |
| T    | 95470993 |     | 3/8 Bolt               |
| U    | 92273226 |     | 5/16 Nut               |
| V    | 95245288 |     | 7/16-20 UNF Nut        |
| W    | 92341973 |     | M6 x 25 Setscrew       |
| X    | 92304500 |     | M6 Nut                 |
| Y    | 92304674 |     | M10 Lockwasher         |
| Z    | 95035481 |     | 3/8 x 1" UNC Setscrew  |
| AA   | 92680347 |     | M10 x 65 Bolt          |
| AB   | 92341239 |     | M20 x 40 Setscrew      |
| AC   | 92391374 |     | M20 Lockwasher         |
| AD   | 92280940 |     | M16 x 40 Setscrew      |
| AE   | 92280981 |     | M10 x 30 Setscrew      |
| AF   | 92304526 |     | M10 Nut                |
| AG   | 92329309 |     | M10 x 35 Setscrew      |
| AH   | 92304567 |     | M10 Locknut            |
| AI   | 35294578 |     | M24 Locknut            |
| AJ   | 92304419 |     | M10 x 40 Setscrew      |
| AK   | 92304617 |     | M10 Washer             |
| AL   | 92304575 |     | M12 Locknut            |
| AM   | 92398171 |     | M12 x 75 Bolt          |
| AN   | 92304435 |     | M12 x 25 Setscrew      |
| AO   | 92304625 |     | M12 Washer             |
| AP   | 35272558 |     | M20 x 45 Setscrew      |
| AQ   | 92391382 |     | M20 Washer             |
| AR   | 92391366 |     | M20 Nut                |
| AS   | 92081470 |     | M16 x 30 Setscrew      |

| Item | C.P.N.   | Qty | FASTENERS               |
|------|----------|-----|-------------------------|
| AT   | 92329283 |     | M10 Washer              |
| AU   | 92304427 |     | M10 x 50 Setscrew       |
| AV   | 92367655 |     | M12 x 90 Bolt           |
| AW   | 92304484 |     | M6 x 20 Setscrew        |
| AX   | 92341981 |     | M6 Washer               |
| AY   | 92421411 |     | M8 x 25 Capscrew        |
| AZ   | 92304518 |     | M8 Nut                  |
| BA   | 92304609 |     | M8 Washer               |
| BB   | 92421403 |     | M8 x 20 Capscrew        |
| BC   | 92304658 |     | M6 Lockwasher           |
| BD   | 92304344 |     | M8 x 20 Setscrew        |
| BE   | 92304559 |     | M8 Nut                  |
| BF   | 92179043 |     | M6 x 25 Screw           |
| BG   | 35279025 |     | M8 x 20 Screw           |
| BH   | 35300771 |     | M6 x 20 Screw           |
| BI   | 92101112 |     | M8 x 25 Screw           |
| BJ   | 92398130 |     | M8 x 20 Screw           |
| BK   | 92398114 |     | M8 Whiztite Nut         |
| BL   | 92398106 |     | M6 Nut Whiztite         |
| BM   | 92304591 |     | M6 Washer               |
| BN   | 92398122 |     | M6 x 20 Screw           |
| BO   | 92398627 |     | M12 x 30 Screw          |
| BP   | 92473594 |     | M10 Nut                 |
| BQ   | 35273416 |     | M8 x 25 Capscrew        |
| BR   | 92479963 |     | M5 x 20 Pan Head Screw  |
| BS   | 92304641 |     | M5 Lockwasher           |
| BT   | 92304492 |     | M5 Nut                  |
| BU   | 92304583 |     | M5 Washer               |
| BV   | 30345508 |     | Washer                  |
| BW   | 95214938 |     | 5/16" x 1" Setscrew     |
| BX   | 92472638 |     | M10 x 20 Screw          |
| BY   | 95264149 |     | 3/8" UNC x 2" Capscrew  |
| BZ   | 35299353 |     | M10 x 60 Capscrew sk.t. |
| CA   | 35271154 |     | M10 x 30 Capscrew       |
| CB   | 92280973 |     | M12 x 35 Setscrew       |
| CC   | 92340421 |     | M4 x 12 Setscrew        |
| CD   | 92472935 |     | M10 x 60 Bolt           |
| CE   | 35295013 |     | M10 x 70 Bolt           |
| CF   | 92398643 |     | N12 Nut Whiztite        |
| CG   | 95792321 |     | 3/8" x 2" Shoulder Bolt |
| CH   | 92304443 |     | M12 x 40 Screw          |
| CI   | 92304450 |     | M12 x 50 Setscrew       |
| CJ   | 92304682 |     | M12 Lockwasher          |
| CK   | 92465590 |     | M10 x 25 Skt. Head      |



Item C.P.N. Qty FASTENERS

جهاز التحكم  
والمرآبة :

|    |          |                                  |
|----|----------|----------------------------------|
| CL | 92040823 | M16 x 130 Setscrew               |
| CM | 95251138 | 3/8 x 1 1/4 UNC Setscrew         |
| CN | 95064671 | 5/16 Washer                      |
| CO | 92304393 | M10 x 20 Setscrew                |
| CP | 92329283 | M10 Washer                       |
| CQ | 92419282 | M6 x 12 Pan Head<br>Setscrew     |
| CR | 95775037 | 1/4 x 1/2 x 10 UNC<br>Bolt       |
| CS | 92488733 | M8 x 70 Bolt                     |
| CT | 92340447 | M4 Lockwasher                    |
| CU | 92340439 | Washer                           |
| CV | 92274828 | 1/4 UNF Nut                      |
| CW | 95064655 | 1/4 Washer                       |
| CX | 95076733 | No. 10 Nut                       |
| CY | 92697812 | Tabwasher                        |
| CZ | 92441450 | M6 x 15 Pozipan                  |
| DA | 35279710 | M20 x 45 Skt. Head               |
| DB | 30345326 | Steel Washer                     |
| DC | 95055265 | 3/8 UNC x 1 1/4                  |
| DD | 92700590 | M20 Self Locking Nut             |
| DE | 40014888 | M8 x 60 Bolt                     |
| DF | 92176718 | M12 x 20 Setscrew                |
| DG | 92184811 | M6 x 12 Whizlock Screw           |
| DH | 35299353 | M10 x 60 Capscrew                |
| DI | 92421460 | M10 x 20 Capscrew                |
| DJ | 92096031 | M6 x 16 Screw                    |
| DK | 35293869 | M10 x 30 Bolt                    |
| DL | 95251229 | 1/4" UNC x 3/4" Screw            |
| DM | 95214995 | 5/8 x 11 x 1 1/2 UNC<br>Setscrew |
| DN | 92421361 | M6 x 40 Capscrew                 |
| DO | 92304542 | M6 Nut                           |
| DP | 92483478 | M20 x 40 Setscrew                |
| DQ | 95215000 | 5/8 x 1 3/4 Setscrew             |
| DR | 92421304 | M5 x 15 Skt. Head<br>Capscrew    |
| DS | 92329275 | M10 Lockwasher                   |
| DT | 92281369 | 5/32 x 1/2 Rivet                 |
| DU |          | Avdel Lock                       |
| DV | 92148659 | M6 Wingut                        |
| DW | 92677541 | M10 x 100 Bolt                   |
| DX | 95420451 | 3/16 x 5/8 Rivet                 |
| DY | 92304542 | M6 Locknut                       |
| DZ | 92359751 | M8 x 12 Setscrew                 |

| Item | C.P.N.   | Qty | FASTENERS            | FERMOIRS | BEFESTIGUNGEN | DISPOSITIVI<br>DI CHIUSURA | FIJADORES |
|------|----------|-----|----------------------|----------|---------------|----------------------------|-----------|
| EA   | 03199270 |     | Screw                |          |               |                            |           |
| EB   | 03459229 |     | Washer               |          |               |                            |           |
| EC   | 03020708 |     | Lockwasher           |          |               |                            |           |
| ED   | 03021458 |     | Screw                |          |               |                            |           |
| EE   | 92359355 |     | Bolt, M10 x 75       |          |               |                            |           |
| EF   | 95251187 |     | ½" UNC x 1½" Screw   |          |               |                            |           |
| EG   | 95081824 |     | Lockwasher ½"        |          |               |                            |           |
| EH   | 95251138 |     | Screw 3/8" UNC x 1¼" |          |               |                            |           |
| EI   | 35374826 |     | Washer               |          |               |                            |           |
| EJ   | 92757632 |     | M16 Washer           |          |               |                            |           |
| EK   | 92061506 |     | M12 Washer           |          |               |                            |           |
| EL   | 95064705 |     | Washer               |          |               |                            |           |

| Item | C.P.N.   | Qty | RECOMMENDED SPARE<br>PARTS MAINTENANCE/<br>SERVICE KITS/<br>ACCESSORIES | PIECES DE RECHANGE<br>RECOMMANDEES ET<br>KITS D'ENTRETIEN | EMPFOHLENE ERSATZ-<br>TEILE WARTUNGS- UND<br>INSPEKTIONS-SATZE | SERIE DE RICAMBI<br>CONSIGLIATI KIT<br>DE SERVIZIO | REPUESTOS RECOMEN-<br>DADOS Y KITS DE<br>MANTENIMIENTO | قطع الغيار الموصى بها<br>وصناديق أدوات<br>الصيانة/ الخدمة |
|------|----------|-----|-------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------|
|      | 92736446 | 1   | Airend Overhaul Kit                                                     |                                                           |                                                                |                                                    |                                                        |                                                           |
| 1    | 35313550 | 1   | Bearing                                                                 |                                                           |                                                                |                                                    |                                                        |                                                           |
| 2    | 35313568 | 1   | Bearing                                                                 |                                                           |                                                                |                                                    |                                                        |                                                           |
| 3    | 35264977 | 1   | Bearing                                                                 |                                                           |                                                                |                                                    |                                                        |                                                           |
| 4    | 39437686 | 2   | Bearing                                                                 |                                                           |                                                                |                                                    |                                                        |                                                           |
| 5    | 35601517 | 1   | Bearing                                                                 |                                                           |                                                                |                                                    |                                                        |                                                           |
| 6    | 39438221 | 2   | Bearing                                                                 |                                                           |                                                                |                                                    |                                                        |                                                           |
| 7    | 35594571 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 8    | 35597723 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 9    | 35210087 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 10   | 35572494 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 11   | 95023388 | 2   | O-Ring                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 12   | 35593482 | 1   | Seal                                                                    |                                                           |                                                                |                                                    |                                                        |                                                           |
| 13   | 35593508 | 1   | Seal                                                                    |                                                           |                                                                |                                                    |                                                        |                                                           |
| 14   | 35299361 | 2   | Shim Set                                                                |                                                           |                                                                |                                                    |                                                        |                                                           |
| 15   | 39437009 | 4   | Shim Set                                                                |                                                           |                                                                |                                                    |                                                        |                                                           |
| 16   | 39437017 | 6   | Shim Set                                                                |                                                           |                                                                |                                                    |                                                        |                                                           |
| 17   | 39437025 | 4   | Shim Set                                                                |                                                           |                                                                |                                                    |                                                        |                                                           |
| 18   | 35104082 | 1   | Locknut                                                                 |                                                           |                                                                |                                                    |                                                        |                                                           |

| Item | C.P.N.   | Qty | RECOMMENDED SPARE<br>PARTS MAINTENANCE/<br>SERVICE KITS/<br>ACCESSORIES | PIECES DE RECHANGE<br>RECOMMANDEES ET<br>KITS D'ENTRETIEN | EMPFOHLENE ERSATZ-<br>TEILE WARTUNGS- UND<br>INSPEKTIONS-SATZE | SERIE DE RICAMBI<br>CONSIGLIATI KIT<br>DE SERVIZIO | REPUESTOS RECOMEN-<br>DADOS Y KITS DE<br>MANTENIMIENTO | قطع الغيار الموصى بها<br>وصناديق أدوات<br>الصيانة/الخدمة |
|------|----------|-----|-------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|
|      | 92668151 |     | Filter Service Kit                                                      |                                                           |                                                                |                                                    |                                                        |                                                          |
| 1    | 92035948 | 2   | Element Air                                                             |                                                           |                                                                |                                                    |                                                        |                                                          |
| 2    | 92035955 | 2   | Element Air                                                             |                                                           |                                                                |                                                    |                                                        |                                                          |
| 3    | 92071182 | 2   | Element Oil                                                             |                                                           |                                                                |                                                    |                                                        |                                                          |
| 4    | 92658095 | 1   | Element Oil                                                             |                                                           |                                                                |                                                    |                                                        |                                                          |
| 5    | 92744523 | 1   | Element Fuel                                                            |                                                           |                                                                |                                                    |                                                        |                                                          |

| Item   | C.P.N.   | Qty | RECOMMENDED SPARE<br>PARTS MAINTENANCE/<br>SERVICE KITS/<br>ACCESSORIES | PIECES DE RECHANGE<br>RECOMMANDEES ET<br>KITS D'ENTRETIEN | EMPFOHLENE ERSATZ-<br>TEILE WARTUNGS- UND<br>INSPEKTIONS-SATZE | SERIE DE RICAMBI<br>CONSIGLIATI KIT<br>DE SERVIZIO | REPUESTOS RECOMEN-<br>DADOS Y KITS DE<br>MANTENIMIENTO | قطع الغيار الموصى بها<br>وصناديق أدوات<br>الصيانة/ الخدمة |
|--------|----------|-----|-------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------|
| (1-25) | 92666007 |     | Gasket Set                                                              |                                                           |                                                                |                                                    |                                                        |                                                           |
| 1      | 35594571 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 2      | 35597723 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 3      | 95023388 | 2   | O-Ring                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 4      | 35210087 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 5      | 35572494 | 1   | Gasket Gear Case                                                        |                                                           |                                                                |                                                    |                                                        |                                                           |
| 6      | 35575471 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 7      | 35279942 | 2   | O-Ring                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 8      | 95823688 | 2   | O-Ring                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 9      | 35192129 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 10     | 95765806 | 2   | O-Ring                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 11     | 35328244 | 1   | Seal                                                                    |                                                           |                                                                |                                                    |                                                        |                                                           |
| 12     | 35328251 | 1   | Gasket Piston Housing                                                   |                                                           |                                                                |                                                    |                                                        |                                                           |
| 13     | 95214524 | 1   | Gasket Ring                                                             |                                                           |                                                                |                                                    |                                                        |                                                           |
| 14     | 30549919 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 15     | 92095413 | 2   | O-Ring                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 16     | 92095421 | 2   | O-Ring                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 17     | 92058544 | 1   | Gasket Discharge Pipe                                                   |                                                           |                                                                |                                                    |                                                        |                                                           |
| 18     | 35575570 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 19     | 92023175 | 1   | Sealing Washer                                                          |                                                           |                                                                |                                                    |                                                        |                                                           |
| 20     | 92546530 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 21     | 92517846 | 2   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 22     | 92546514 | 1   | Gasket                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
| 23     | 92293661 | 4   | Seal                                                                    |                                                           |                                                                |                                                    |                                                        |                                                           |
| 24     | 92756592 | 1   | Gasket Separator                                                        |                                                           |                                                                |                                                    |                                                        |                                                           |
| 25     | 95358032 | 1   | O-Ring                                                                  |                                                           |                                                                |                                                    |                                                        |                                                           |
|        | 92744911 |     | Service Kit                                                             |                                                           |                                                                |                                                    |                                                        |                                                           |
| 1      | 35163054 | 1   | Oil Temperature Valve                                                   |                                                           |                                                                |                                                    |                                                        |                                                           |
| 2      | 35318161 | 1   | MPV Spring                                                              |                                                           |                                                                |                                                    |                                                        |                                                           |
| 3      | 35359090 | 1   | Regulator                                                               |                                                           |                                                                |                                                    |                                                        |                                                           |
| 4      | 35583210 | 1   | Two Way Valve                                                           |                                                           |                                                                |                                                    |                                                        |                                                           |
| 5      | 35592534 | 1   | Unloader Diaphragm                                                      |                                                           |                                                                |                                                    |                                                        |                                                           |
| 6      | 92035898 | 1   | Blowdown Valve                                                          |                                                           |                                                                |                                                    |                                                        |                                                           |
| 7      | 92035948 | 2   | Air Element                                                             |                                                           |                                                                |                                                    |                                                        |                                                           |
| 8      | 92035955 | 2   | Air Element                                                             |                                                           |                                                                |                                                    |                                                        |                                                           |
| 9      | 92049188 | 1   | Safety Valve                                                            |                                                           |                                                                |                                                    |                                                        |                                                           |
| 10     | 92065747 | 1   | Drive Belt                                                              |                                                           |                                                                |                                                    |                                                        |                                                           |
| 11     | 92071182 | 2   | Oil Element                                                             |                                                           |                                                                |                                                    |                                                        |                                                           |
| 12     | 92095363 | 1   | Oil Level Gauge                                                         |                                                           |                                                                |                                                    |                                                        |                                                           |
| 13     | 92120013 | 1   | Fuel Filler Cap                                                         |                                                           |                                                                |                                                    |                                                        |                                                           |
| 14     | 92124692 | 3   | Pressure Gauge                                                          |                                                           |                                                                |                                                    |                                                        |                                                           |
| 15     | 92278787 | 1   | Tachometer                                                              |                                                           |                                                                |                                                    |                                                        |                                                           |
| 16     | 92294461 | 1   | Valve                                                                   |                                                           |                                                                |                                                    |                                                        |                                                           |
| 17     | 92546779 | 1   | Valve Fuel Shut-Off                                                     |                                                           |                                                                |                                                    |                                                        |                                                           |
| 18     | 92513183 | 1   | Silencer Regulator                                                      |                                                           |                                                                |                                                    |                                                        |                                                           |

| Item | C.P.N.   | Qty | RECOMMENDED SPARE<br>PARTS MAINTENANCE/<br>SERVICE KITS/<br>ACCESSORIES | PIECES DE RECHANGE<br>RECOMMANDEES ET<br>KITS D'ENTRETIEN | EMPFOHLENE ERSATZ-<br>TEILE WARTUNGS-UND<br>INSPEKTIONS-SATZE | SERIE DE RICAMBI<br>CONSIGLIATI KIT<br>DE SERVIZIO | REPUESTOS RECOMEN-<br>DADOS Y KITS DE<br>MANTENIMIENTO | قطع الغيار الموصى بها<br>وصناديق أدوات<br>الصيانة/ الخدمة |
|------|----------|-----|-------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------|
| 19   | 92657410 | 1   | Valve Waterloss                                                         |                                                           |                                                               |                                                    |                                                        |                                                           |
| 20   | 92657444 | 1   | Valve Eng. Oil Pressure                                                 |                                                           |                                                               |                                                    |                                                        |                                                           |
| 21   | 92681006 | 1   | Valve, Spool                                                            |                                                           |                                                               |                                                    |                                                        |                                                           |
| 22   | 92658095 | 1   | Oil Element                                                             |                                                           |                                                               |                                                    |                                                        |                                                           |
| 23   | 92666007 | 1   | Gasket Set                                                              |                                                           |                                                               |                                                    |                                                        |                                                           |
| 24   | 92686856 | 1   | Push Button                                                             |                                                           |                                                               |                                                    |                                                        |                                                           |
| 25   | 92698240 | 1   | Pressure Gauge                                                          |                                                           |                                                               |                                                    |                                                        |                                                           |
| 26   | 92698257 | 1   | Exh. Temp. Gauge                                                        |                                                           |                                                               |                                                    |                                                        |                                                           |
| 27   | 92698273 | 1   | Indicator                                                               |                                                           |                                                               |                                                    |                                                        |                                                           |
| 28   | 92721448 | 1   | Gauge Water Temp.                                                       |                                                           |                                                               |                                                    |                                                        |                                                           |
| 29   | 92744523 | 1   | Fuel Element                                                            |                                                           |                                                               |                                                    |                                                        |                                                           |
| 30   | 92721430 | 1   | Temp. Gauge                                                             |                                                           |                                                               |                                                    |                                                        |                                                           |

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| 01126648  | 7.4.17                     | 35279801                 | 7.5.35          | 35318161            | 7.4.45       |
| 01204015  | 7.4.57                     | 35279827                 | 7.4.29          | 35321389            | 7.5.25       |
| 03019556  | 7.4.17                     | 35279843                 | 7.4.27          | 35321389            | 7.5.35       |
| 03020476  | 7.4.17                     | 35279850                 | 7.4.29          | 35327204            | 7.4.53       |
| 03020492  | 7.4.17                     | 35279868                 | 7.5.5           | 35328210            | 7.4.53       |
| 03020500  | 7.4.17                     | 35279876                 | 7.5.35          | 35328228            | 7.4.53       |
| 03020526  | 7.4.17                     | 35279942                 | 7.5.17          | 35328236            | 7.4.53       |
| 03020534  | 7.4.17                     | 35280353                 | 7.5.1           | 35328244            | 7.4.53       |
| 03020559  | 7.4.17                     | 35283068                 | 7.4.27          | 35328251            | 7.4.53       |
| 03020591  | 7.4.17                     | 35283076                 | 7.4.27          | 35328269            | 7.4.53       |
| 03020617  | 7.4.17                     | 35283076                 | 7.4.29          | 35331578            | 7.4.53       |
| 03020716  | 7.4.17                     | 35283076                 | 7.5.35          | 35331586            | 7.4.53       |
| 03020724  | 7.4.17                     | 35283084                 | 7.4.27          | 35332006            | 7.4.53       |
| 03020757  | 7.4.17                     | 35283084                 | 7.4.37          | 35332683            | 7.4.53       |
| 03020815  | 7.4.17                     | 35283092                 | 7.5.35          | 35332691            | 7.4.53       |
| 03020823  | 7.4.17                     | 35288117                 | 7.5.33          | 35337583            | 7.2.1        |
| 03020831  | 7.4.17                     | 35288166                 | 7.1.27          | 35359090            | 7.4.25       |
| 03020872  | 7.4.17                     | 35290881                 | 7.2.1           | 35572494            | 7.2.1        |
| 03021094  | 7.4.17                     | 35290881                 | 7.2.3           | 35573070            | 7.2.1        |
| 03021102  | 7.4.17                     | 35293059                 | 7.5.7           | 35575471            | 7.4.47       |
| 03021219  | 7.4.17                     | 35293059                 | 7.5.9           | 35575570            | 7.5.23       |
| 03021672  | 7.4.17                     | 35293059                 | 7.5.11          | 35579630            | 7.5.17       |
| 03085628  | 7.4.17                     | 35293059                 | 7.5.13          | 35579942            | 7.4.45       |
| 03086212  | 7.4.17                     | 35295799                 | 7.5.11          | 35583210            | 7.6.3        |
| 03141520  | 7.4.17                     | 35295799                 | 7.5.13          | 35591163            | 7.4.53       |
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| 03144995  | 7.4.17                     | 35296227                 | 7.4.23          | 35591189            | 7.4.53       |
| 03154226  | 7.4.17                     | 35299361                 | 7.2.3           | 35592534            | 7.4.53       |
| 03388709  | 7.4.17                     | 35301126                 | 7.4.23          | 35592757            | 7.2.1        |
| 03390226  | 7.4.17                     | 35301225                 | 7.4.11          | 35593482            | 7.2.3        |
| 03390234  | 7.4.17                     | 35301225                 | 7.4.27          | 35593508            | 7.2.1        |
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All new components introduced  
from the S.N.R. range on  
the front of this manual are  
highlighted with a star in the  
C.P.N. Index.

Tous les nouveaux compo-  
sants provenant du S.N.R.  
au d'but de ce manuel sont  
signalés par une étoile dans  
l'Index du C.P.N.

Alle neuen Teile, die vom  
S.N.R. vorne auf diesem  
Handbuch hinzugefügt,  
Werden, sind durch ein  
Sternchen im C.P.N.  
Verzeichnis hervorgehoben

Tutti componenti  
introdotti dalla S.N.R.  
sulla copertina di questo  
manuale sono messi.

Todas los componentes  
nuevos introducidos del  
S.N.R. la primera parte  
de este manual están  
marcadas con una est-  
rella en el índice del  
C.P.N.

علّمت كافة الأجزاء التي تم  
إدخالها جديداً من ال S.N.R.  
في بداية هذا الكتيب بعلامة  
النجمة في دليل ال C.P.N.

# HAZARD WARNING

## CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH (COSHH) REGULATIONS

THE FOLLOWING INFORMATION IS GIVEN TO ASSIST THE OWNERS/OPERATORS OF MACHINES USED IN THE UNITED KINGDOM  
FURTHER INFORMATION MAY BE OBTAINED BY REQUEST THROUGH INGERSOLL-RAND CUSTOMER SERVICE DEPARTMENT

| THE FOLLOWING SUBSTANCES ARE USED IN THE MANUFACTURE OF THIS MACHINE AND MAY BE HAZARDOUS TO HEALTH IF USED INCORRECTLY                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | THE FOLLOWING SUBSTANCES MAY BE PRODUCED DURING THE OPERATION OF THIS MACHINE                                                                                                               |                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| SUBSTANCE                                                                                                                                                                                                                                                | PRECAUTION                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SUBSTANCE                                                                                                                                                                                   | PRECAUTION                                                                                                                                       |
| <ul style="list-style-type: none"> <li>● Antifreeze</li> <li>Compressor Lubricant</li> <li>▲ Engine Lubricating Oil</li> <li>Preservative Grease</li> <li>Rust Preventative</li> <li>▲ Diesel Fuel</li> <li>▲ Battery</li> <li>Compressor Air</li> </ul> | Avoid Ingestion, Skin Contact and Breathing of Fumes<br>Avoid Ingestion, Skin Contact and Breathing of Fumes<br>Avoid Ingestion, Skin Contact and Breathing of Fumes<br>Avoid Ingestion, Skin Contact and Breathing of Fumes<br>Avoid Ingestion, Skin Contact and Breathing of Fumes<br>Avoid Ingestion, Skin Contact and Breathing of Fumes<br>Avoid Ingestion, Skin Contact and Breathing of Fumes<br>Avoid Breathing and Direct Jet Contact With Any Part of the Body | <ul style="list-style-type: none"> <li>○ Brake Lining Dust</li> <li>○ Diesel Exhaust Fumes</li> <li>○ Diesel Exhaust Fumes</li> <li>□ Electrical Motor Dust (Brushes/Insulation)</li> </ul> | Avoid Breathing During Maintenance<br>Avoid Breathing<br>Avoid <i>Build-up</i> of Fumes in Confined Spaces<br>Avoid Breathing During Maintenance |
| <ul style="list-style-type: none"> <li>● Watercooled Engines Only</li> <li>▲ Diesel Engined Machines Only</li> </ul>                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>○ Portable Machines Only</li> <li>□ Electrically Powered Machines only</li> </ul>                                                                    |                                                                                                                                                  |
|  <b>INGERSOLL-RAND.</b> STANDARD PRODUCTS DIVISION                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>COSHH SUPPLEMENT</b>                                                                                                                                                                     |                                                                                                                                                  |
|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Revision 01 01/90                                                                                                                                                                           |                                                                                                                                                  |