

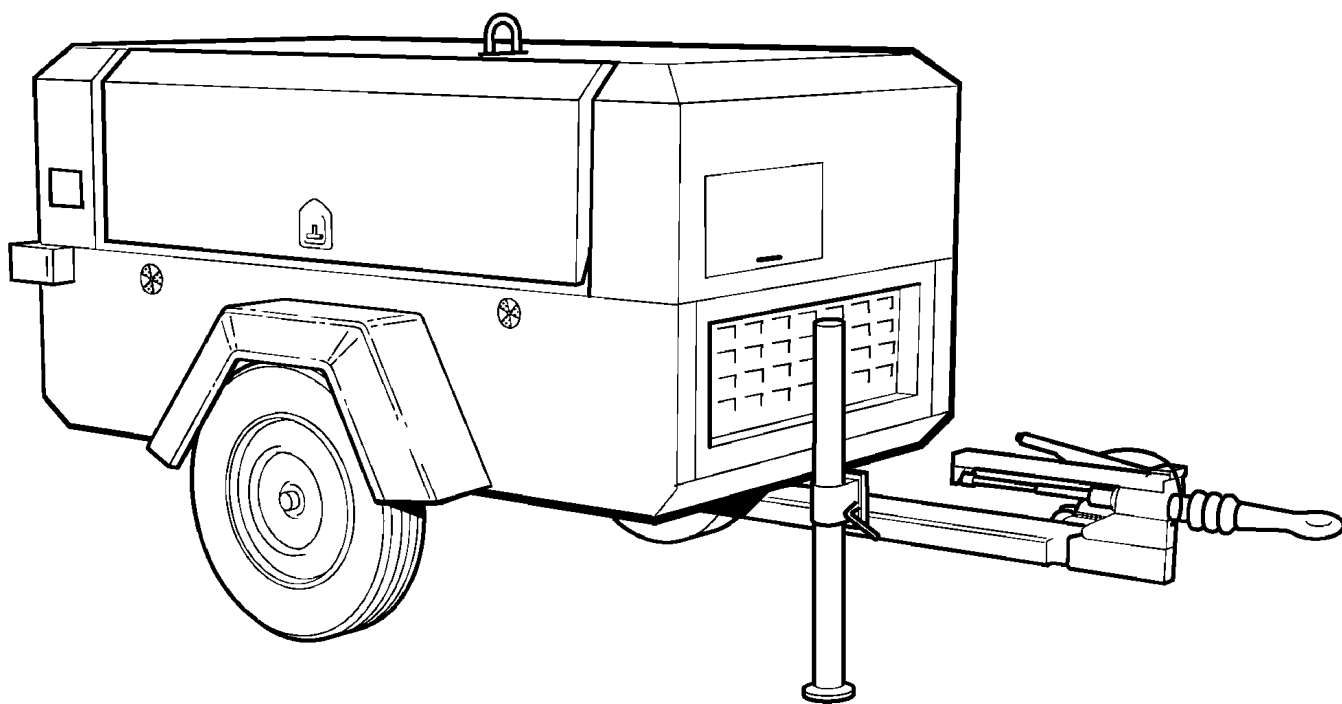


Portable Power

7/71, 12/56

PARTS MANUAL

SERIAL No : 520560 ->



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				Fuel injection system				
				Fuel filter and fuel lines				
				Fuel transfer pump				
				Oil filter and filter head				
				Alternator & brackets				
				Starter motor				

ABBREVIATIONS & SYMBOLS

->####	Up to Serial No.	CN	China	IT	Italy
####->	From Serial No.	DE	Germany	NL	Holland
####	Contact Doosan for Serial No.	DK	Denmark	NO	Norway
*	Not illustrated	ES	Spain	PT	Portugal
†	Option	FI	Finland	SE	Sweden
AR	As required	FR	France	US	United States
BR	Brazil	GB	Great Britain (English)		

General

This manual, which contains an illustrated parts breakdown, has been prepared as an aid in identifying and ordering parts for the machine. All of the parts, listed in the parts breakdown, are manufactured with the same precision as the original equipment.

Doosan Company service facilities and parts are available worldwide. There are Doosan Company Branch Offices and authorised distributors located in the principle cities of the United States. In Canada, our customers are serviced by the Canadian Doosan Company, Limited. There are also Doosan Company subsidiaries and authorised distributors located in the principle cities throughout the world.

Description

The illustrated parts breakdown identifies the various assemblies, sub-assemblies and detailed parts which make up this machine.

A series of illustrations show each part clearly and in its correct location relative to the other parts in the illustration. Each part in an illustration is referenced with a number. The number, description and quantity needed per assembly are listed in numerical order on the following pages.

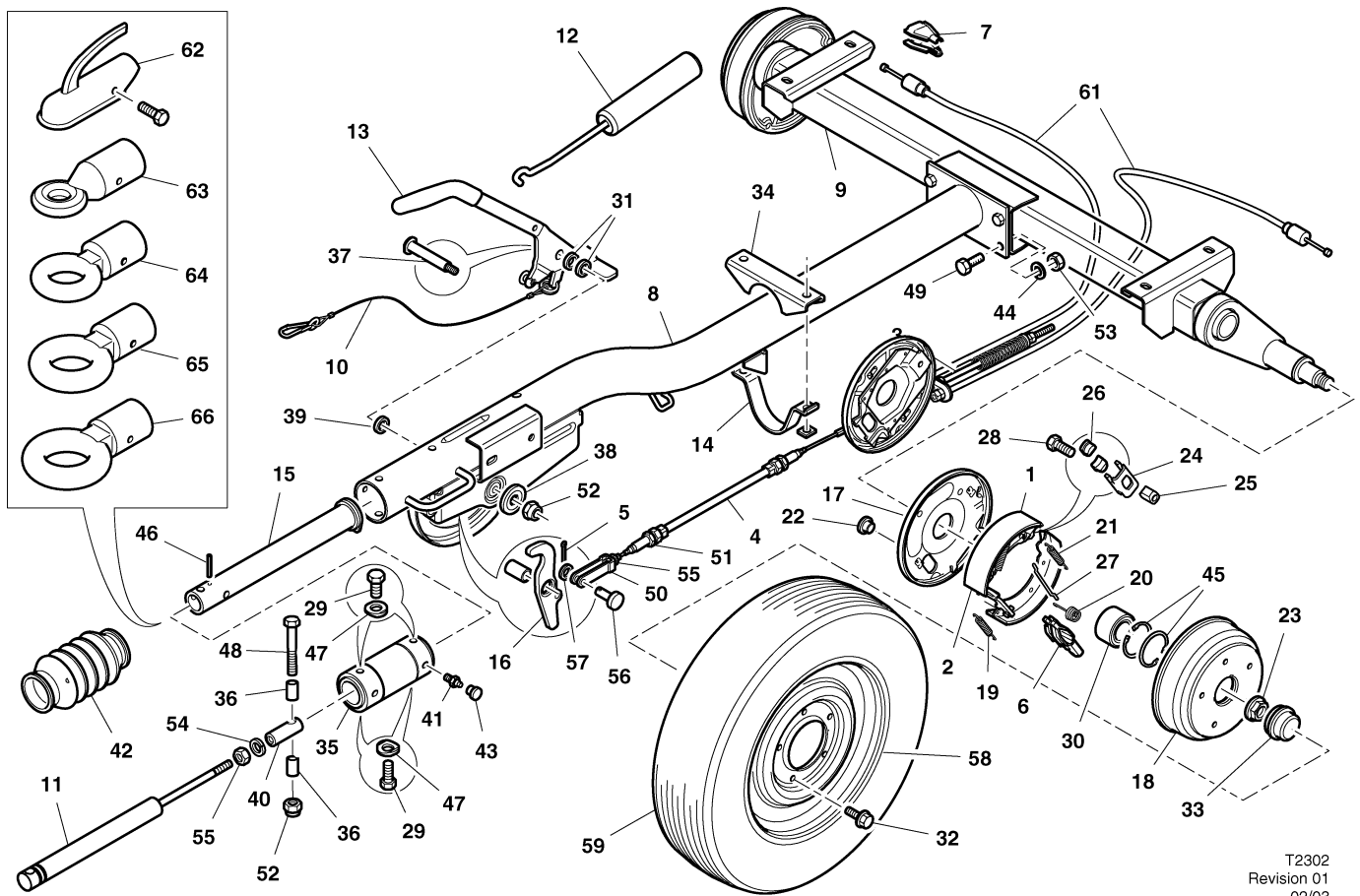
How to use this parts manual

1. Locate the desired illustration.
2. Locate the part on the illustration by visual identification and note the reference number.
3. Find the reference number on the tabulated page, along with the Part Number and Description.

How to order parts

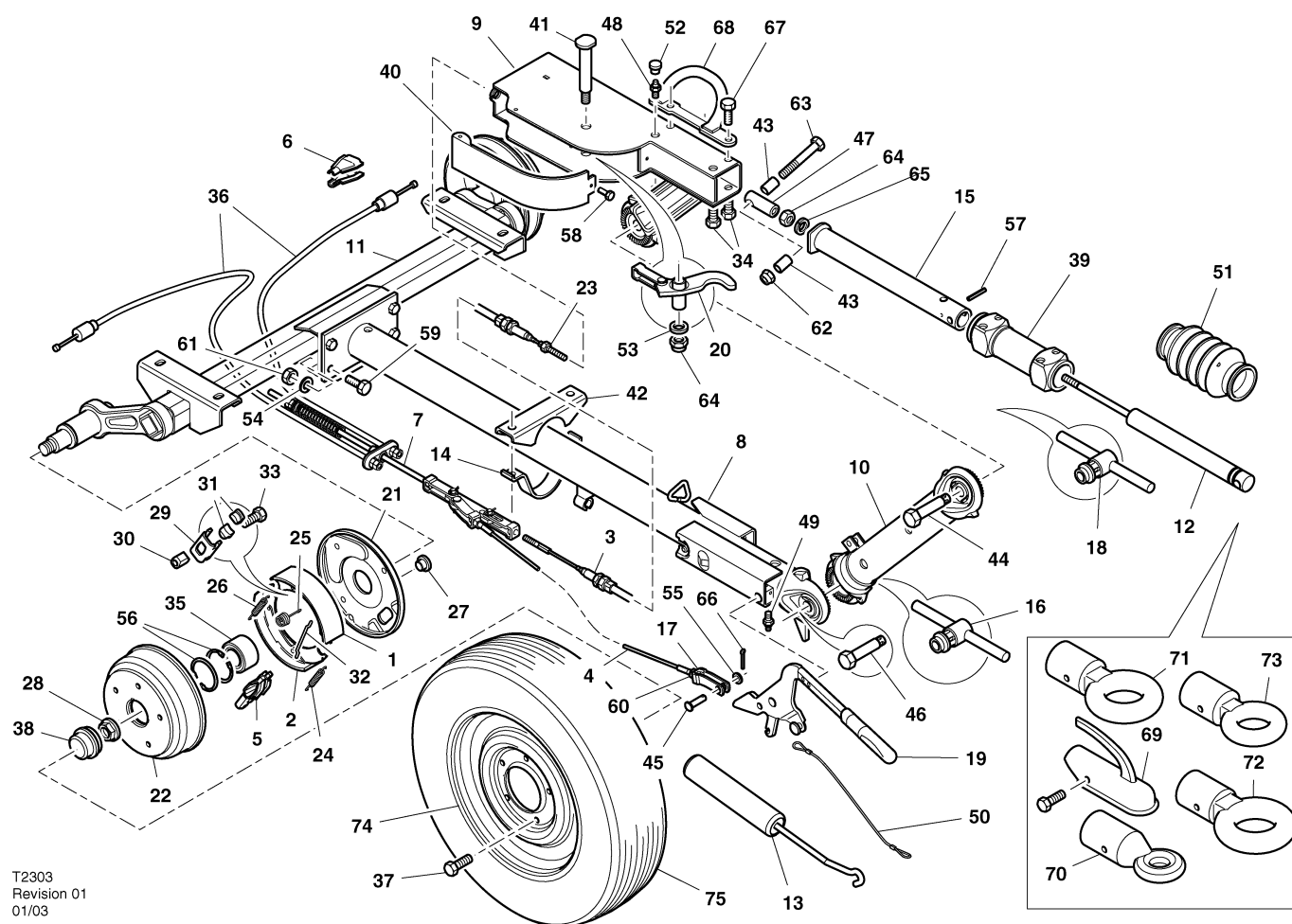
In order that all avoidable errors be eliminated when ordering parts, please specify the following:

1. The model number of the unit as shown on the Compressor Data Plate.
2. The serial number of the unit as shown on the Compressor Data Plate.
3. The part number of this manual.
4. The part number, description and quantity needed exactly as listed.
5. The motor data code shown on the motor data plate.



T2302
Revision 01
02/03

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22241012	2	Shoe (rear)	24	22241228	2	Housing	50	22241483	1	Clevis
2	22241111	2	Shoe (front)	25	22241301	2	Taper	51	22241558	1	Nut
3	22241137	1	Compensator	26	22241319	4	Key	52	22051494	2	Nut
	22645808	1	Compensator ####	27	22241327	2	Rod	53	22051494	4	Nut
4	22066880	1	Cable ->####	28	22241335	2	Screw	54	22051585	1	Washer
5	22241566	1	Pin, split	29	22241368	4	Screw	55	22051577	2	Locknut
6	22051205	2	Lever	30	22051122	2	Bearing	56	22241160	1	Pin
7	22241384	2	Cover	31	22241376	2	Washer, Nylon	57	22241491	1	Washer
8	22241459	1	Drawbar	32	22241392	10	Bolt	58	22125587	2	Wheel
	22645824	1	Drawbar ####	33	22052161	2	Cap	59	22125595	2	Tyre
9	22241467	1	Axle tube assembly	34	22241442	1	Clamp	60	22125579	2	Wheel & tyre assembly
10	22051841	1	Cable	35	22241129	1	Tube	61	22241145	2	Cable
11	22241475	1	Damper	36	22051551	2	Bush	62	22212013	1	Ball hitch
12	22182802	1	Spring	37	22051866	1	Bolt	63	54774500	1	Eye Ø 40mm
13	22051833	1	Lever, handbrake	38	22241194	1	Washer	64	54774518	1	Eye Ø 50mm
14	22051742	1	Clamp	39	22051882	1	Washer	65	54774534	1	Eye Ø 68mm
15	22051411	1	Slider	40	22051544	1	Joint	66	54774542	1	Eye Ø 76mm
16	22051858	1	Lever	41	22241400	2	Nipple	*67	22126437	1	Jockey Wheel Assembly
17	22241020	1	Backplate	42	22051510	1	Cover	*68	22125181	1	Running gear assembly (complete)
18	22241103	2	Drum	43	22241426	2	Cap				
19	22241582	2	Spring (lower)	44	22051874	4	Washer				
20	22241186	2	Spring	45	22241509	4	Circlip				
21	22241202	2	Spring (upper)	46	22241517	1	Pin				
22	22241210	4	Cover	47	22241525	4	Washer				
23	22051114	2	Nut	48	22051569	1	Bolt				
				49	22104806	4	Screw				
											* Not illustrated

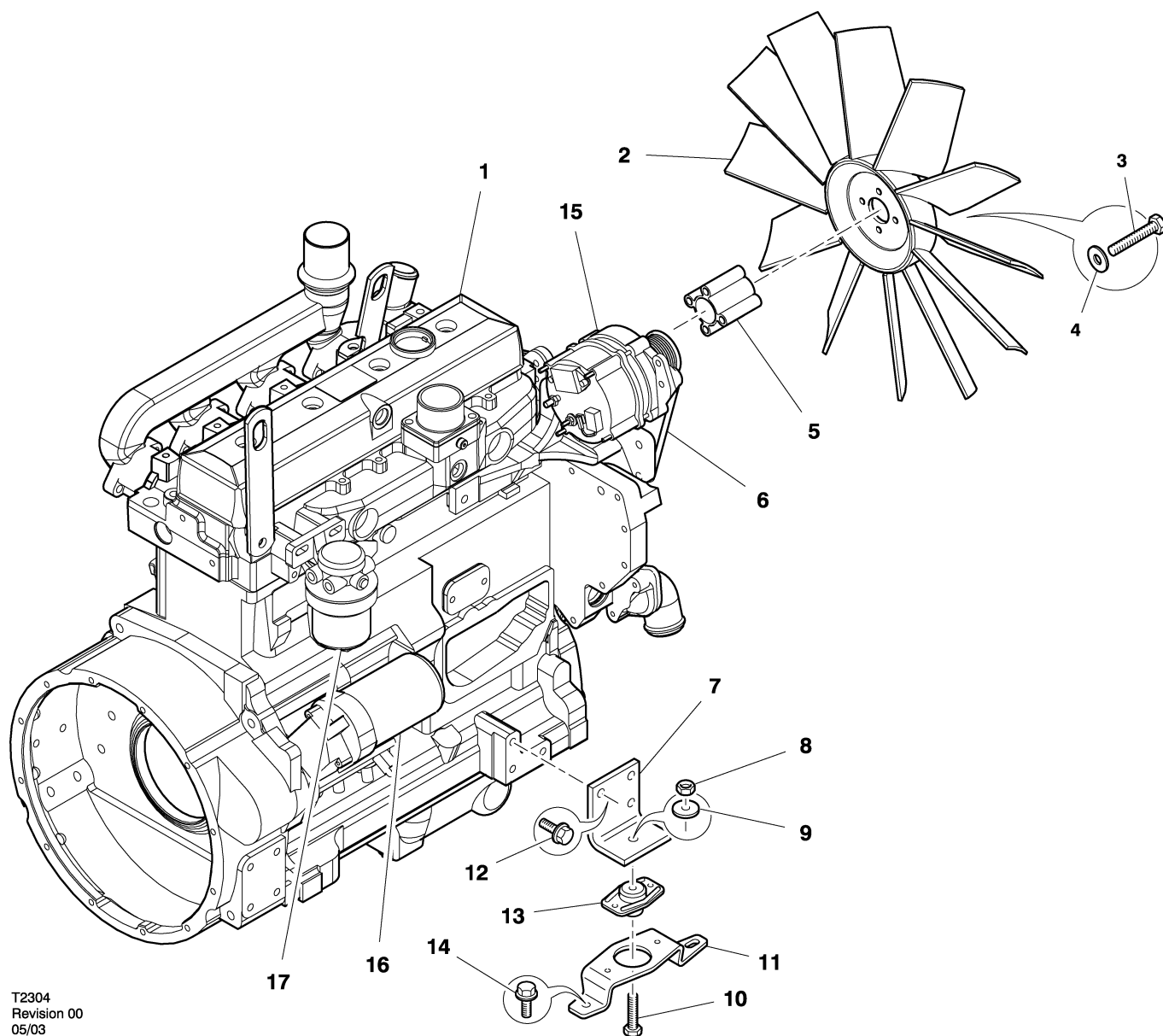


T2303
Revision 01
01/03

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22241012	2	Shoe (front)	29	22241228	2	Housing	57	22241517	1	Pin
2	22241111	2	Shoe (rear)	30	22241301	2	Taper	58	22241533	3	Screw
3	22066880	1	Cable	31	22241319	4	Key	59	22104806	4	Screw
4	22241152	1	Cable	32	22241327	2	Rod	60	22051577	2	Locknut
5	22051205	2	Lever	33	22241335	2	Screw	61	22051494	4	Nut
6	22241384	2	Cover	34	22241343	4	Screw	62	22051494	2	Nut
7	22126395	1	Compensator	35	22051122	2	Bearing	63	22241541	1	Bolt
8	22241061	1	Drawbar	36	22241145	2	Cable	64	22051585	1	Washer
9	22241079	1	Coupling assembly	37	22241392	10	Bolt	65	22051577	1	Locknut
10	22241087	1	Link, adjustable	38	22052161	2	Cap	66	22241566	1	Pin
11	22241467	1	Axle tube assembly	39	22241038	1	Tube	67	22241350	2	Screw
12	22241475	1	Damper	40	22241046	1	Cover	68	22241434	1	Handle
13	22182802	1	Spring	41	22241053	1	Bolt	69	22212013	1	Ball hitch
14	22051742	1	Clamp	42	22241442	1	Clamp	70	54774500	1	Eye Ø 40mm
15	22051411	1	Slider	43	22051551	2	Bush	71	54774534	1	Eye Ø 68mm
16	22051718	1	Handle, lower	44	22051700	1	Bolt	72	54774542	1	Eye Ø 76mm
17	22241483	1	Clevis	45	22241160	1	Pin	73	54774518	1	Eye Ø 50mm
18	22051692	1	Handle, upper	46	22241178	1	Bolt	74	22125587	2	Wheel
19	22066823	1	Lever, handbrake	47	22051544	1	Joint	75	22125595	2	Tyre
20	22066914	1	Lever	48	22241095	2	Nipple	*76	22125579	1	Wheel & tyre assembly
21	22241020	2	Backplate	49	22241400	1	Nipple	*77	22126437	1	Jockey Wheel Assembly
22	22241103	2	Drum	50	22241418	1	Cable	*78	22125173	1	Running gear assembly (complete)
23	22051577	1	Locknut	51	22051510	1	Cover				
24	22241582	2	Spring (lower)	52	22241426	2	Cap				
25	22241186	2	Spring	53	22051874	1	Washer				
26	22241202	2	Spring (upper)	54	22051874	4	Washer				
27	22241210	4	Cover	55	22241491	2	Washer				
28	22051114	2	Nut	56	22241509	4	Circlip				

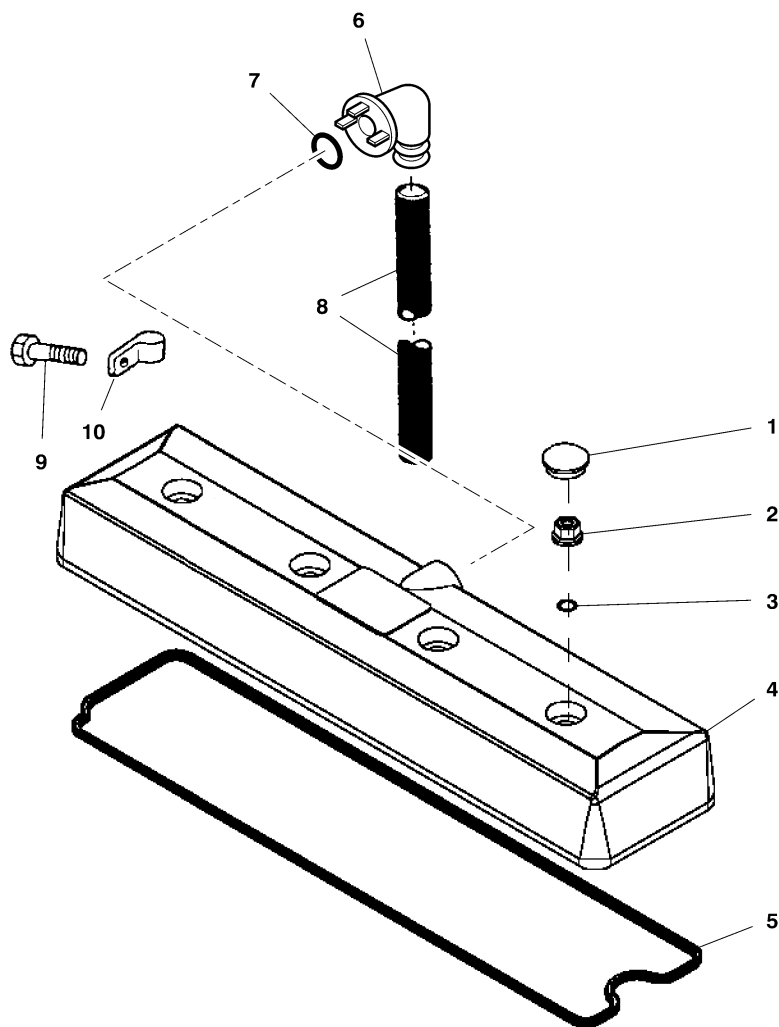
* Not illustrated

3 ENGINE ASSEMBLY



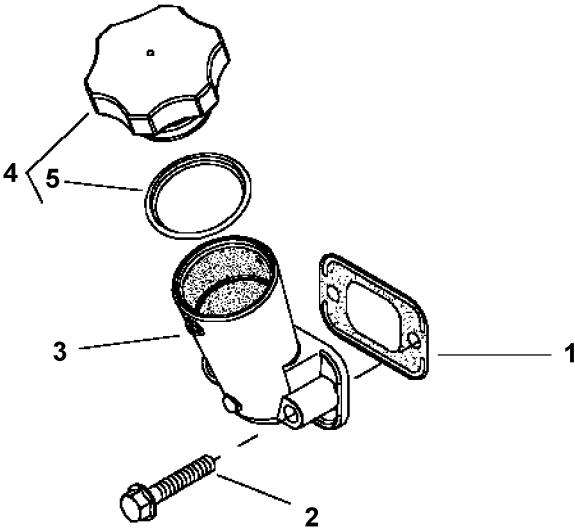
T2304
Revision 00
05/03

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22299085	1	Engine	12	N.S.S.	AR	Screw
2	22234579	1	Fan	13	36500197	2	Mount
3	96721154	4	Screw	14	N.S.S.	4	Screw
4	N.S.S.	4	Washer	15	85400877	1	Alternator
5	36892461	1	Spacer	16	85474914	1	Motor, starter
6	36106334	1	Belt, fan	17	36116861	1	Filter, fuel
7	54471651	2	Bracket	*18	36881696	1	Filter,oil
8	N.S.S.	2	Nut	*19	N.S.S.	1	Switch, temperature
9	54429295	2	Washer	*20	N.S.S.	1	Switch, oil pressure
10	96714050	2	Screw				
11	54471669	2	Bracket				* Not illustrated

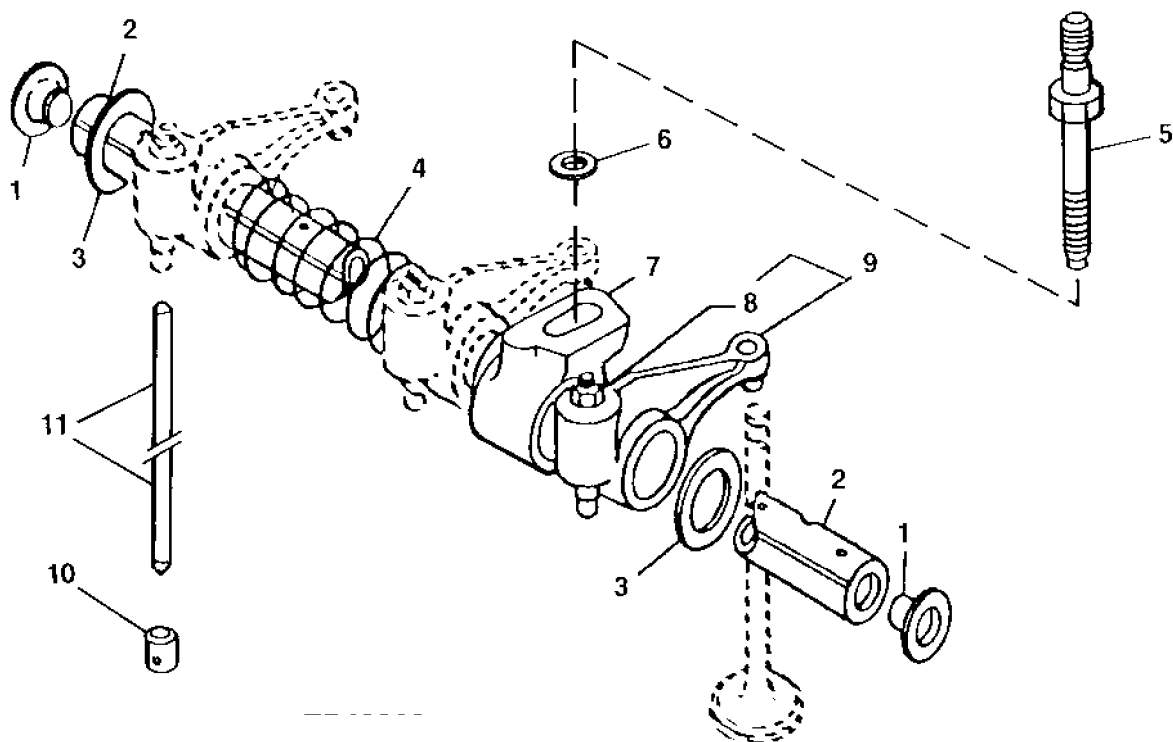


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36102929	4	Plug	7	36110385	1	'O' Ring
2	36106763	4	Nut	8	85473304	1	Hose
3	36106771	4	'O' Ring	9	85470409	1	Screw
4	36106698	1	Gasket	10	36110401	1	Clamp
5	85475010	1	Cover				
6	36105062	1	Elbow				

5 OIL FILTER

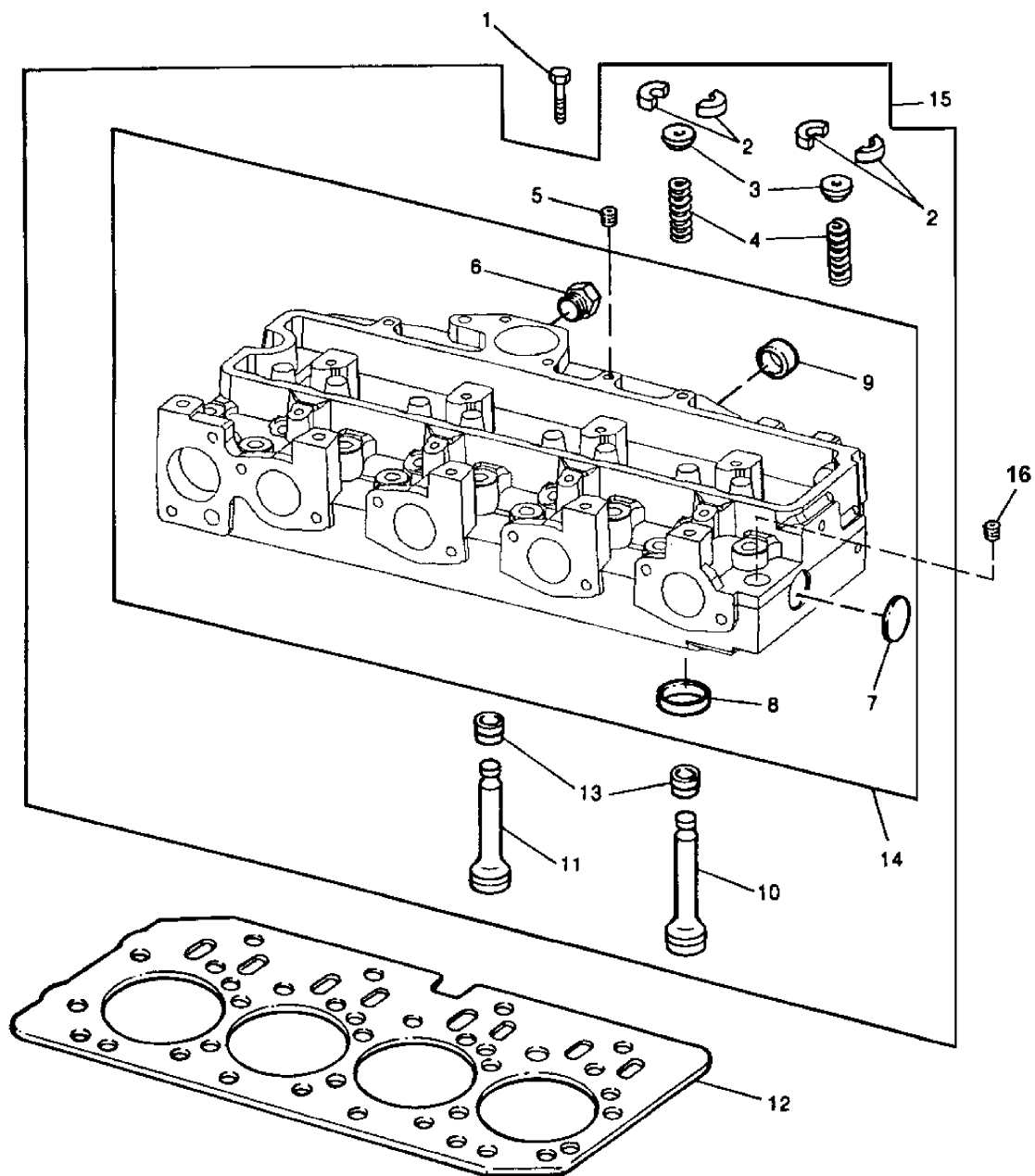


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36108595	1	Gasket	4	85473338	1	Cap
2	85471118	2	Screw	5	85472504	1	Packing
3	85474823	1	Filler neck				

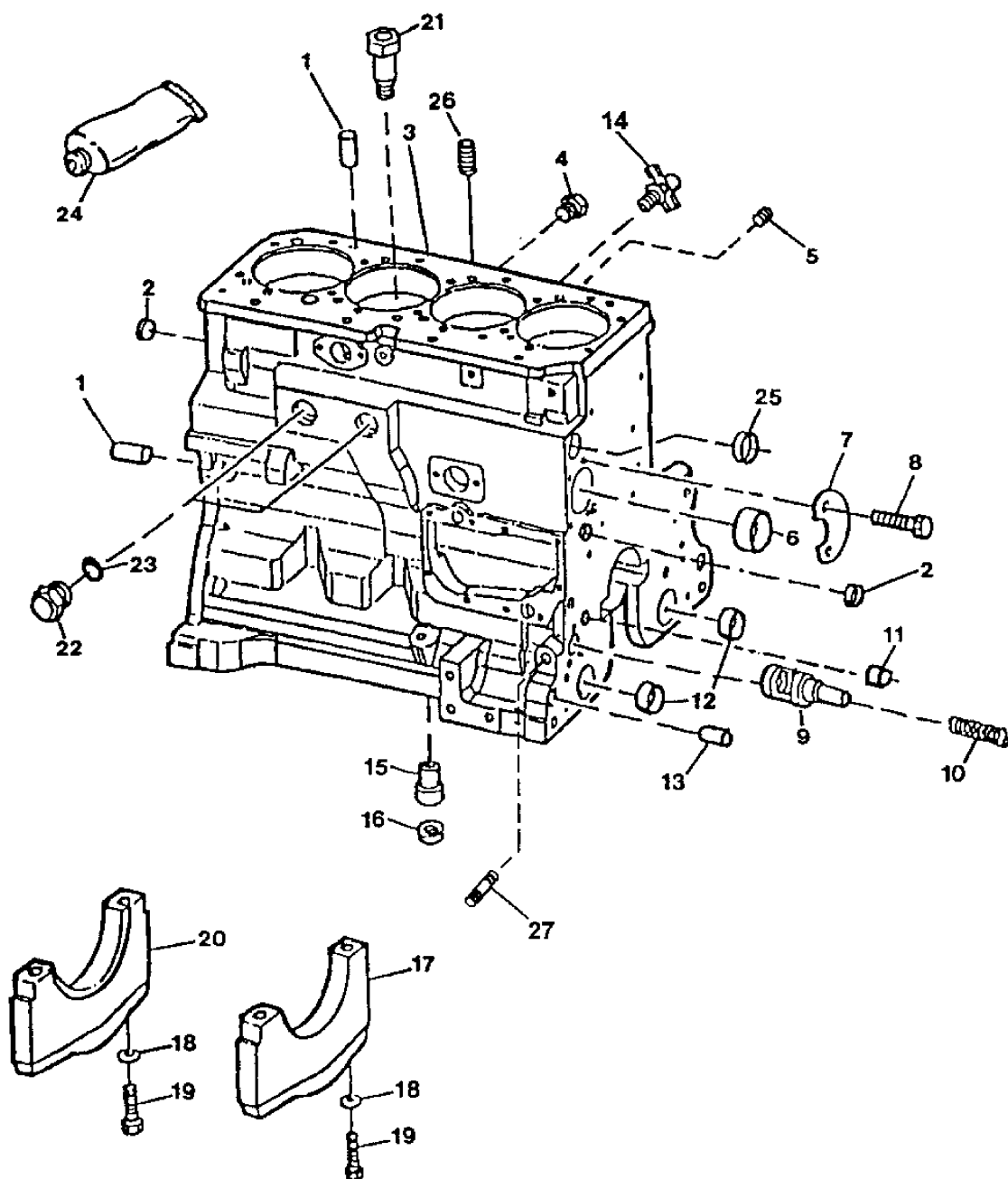


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36109502	2	Plug	7	36105963	4	Support
2	36106656	1	Shaft	8	85470060	1	Nut
3	36119246	2	Washer	9	36118305	8	Arm, rocker (Inlet)
4	36119220	3	Spring				
5	36106094	4	Stud	10	36106706	8	Follower, cam
6	85474328	4	Washer	11	36103810	8	Rod, push

7 CYLINDER HEAD & GASKET

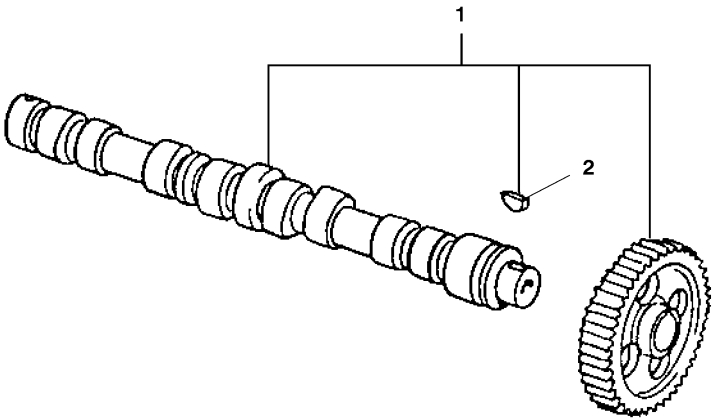


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description	
1	36111185	16	Screw		36112050	4	Valve, exhaust 0.015" oversize	
2	36111631	16	Retainer					
3	36116135	8	Rotator		36112068	4	Valve, exhaust 0.030" oversize	
4	36108645	8	Spring	11	36112118	4	Valve, intake Std.	
5	36103604	1	Plug					
6	36119766	1	Fitting			36112035	4	Valve, intake 0.015" oversize
	85474526	1	'O' Ring					
7	36102606	1	Cap		36112043	4	Valve, intake 0.030" oversize	
8	36103745	4	Insert, valve seat (intake)	12	36104719	4	Gasket, cylinder	
	36103737	4	Insert, valve seat (exhaust)	13	36113140	8	Seal	
9	36109056	2	Cap	14	–			
10	36111466	4	Valve, exhaust Std.	15	36115426	1	Cylinder head assembly	
				16	36100220	1	Plug	

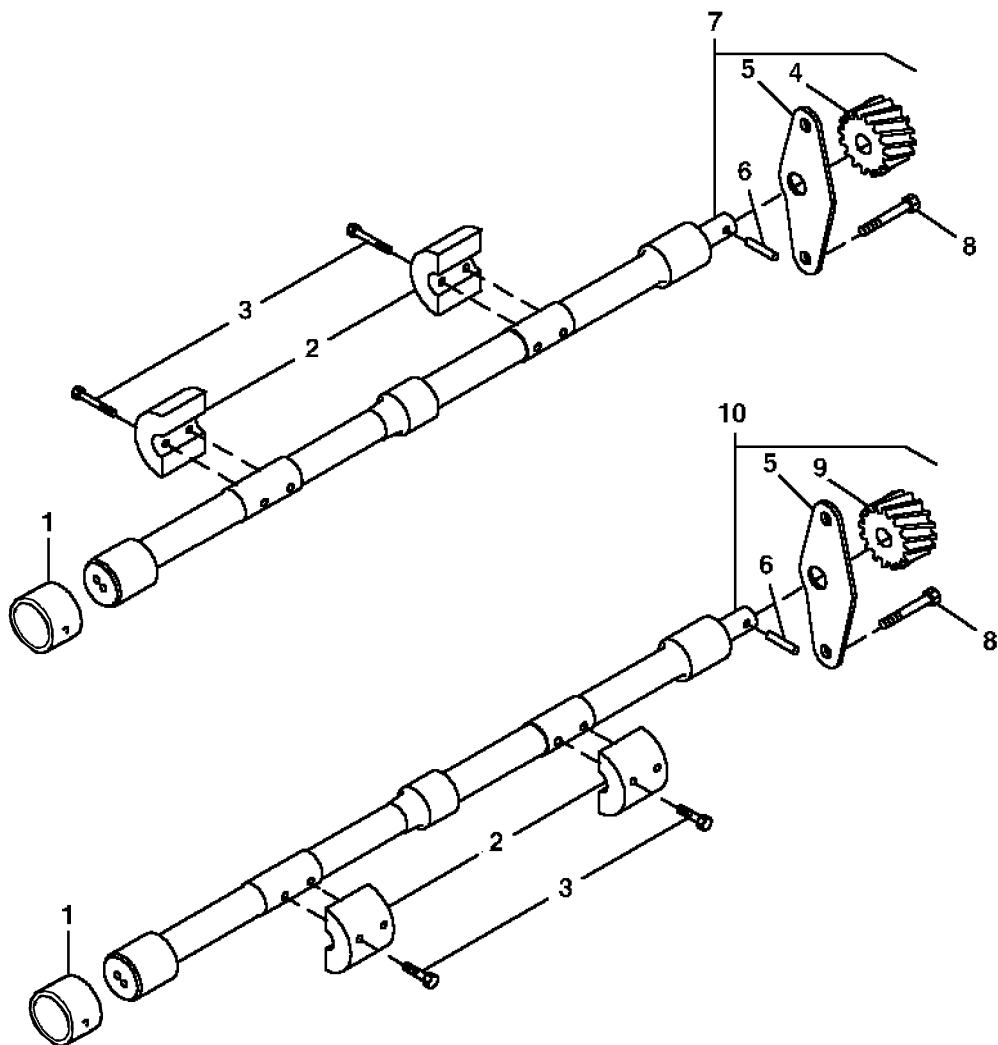


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85474740	2	Dowel pin	15	36104446	1	Connector
2	36118875	2	Cap	16	36110518	1	'O' Ring
	36104701	1	Plug	17	36104263	4	Cap
3	N.S.S.	1	Block	18	36119089	10	Washer
4	36109593	1	Plug	19	36108108	10	Screw
5	36103604	5	Plug	20	36107928	1	Cap
6	36104990	1	Bush	21	36107928	4	Orifice
7	36108223	1	Plate	22	85474898	2	Fitting
8	85474302	2	Screw	23	36120178	2	'O' Ring
9	36105260	1	Valve	24	36119733	1	Gasket
10	36103992	1	Spring	25	36104701	1	Plug
11	85475135	1	Valve	26	36100220	1	Plug
12	36104412	6	Bush	27	85470094	1	Plug
13	36108728	2	Dowel pin	*28	85475143	1	Block
14	36102176	1	Valve, drain				

9 CAMSHAFT ASSEMBLY

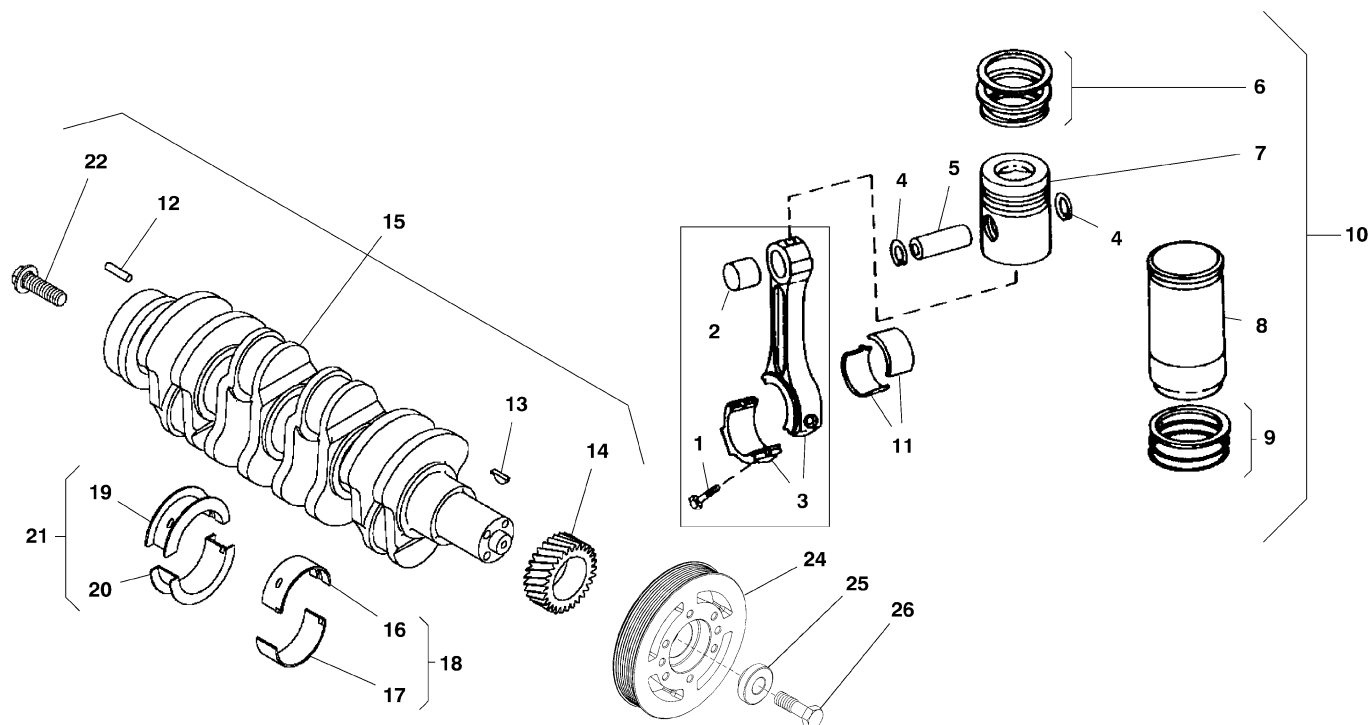


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36115103	1	Camshaft assembly				
2	36108355	1	Key, camshaft				



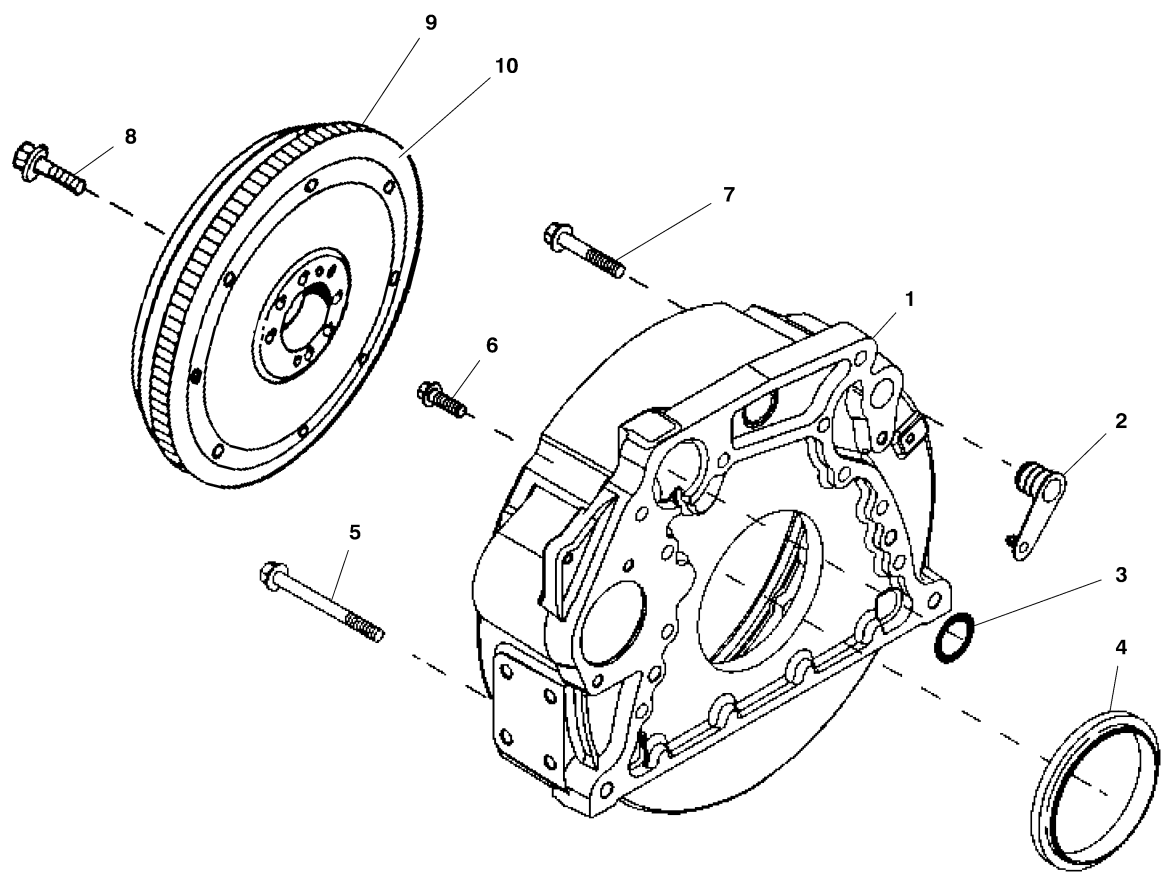
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36104412	6	Bush	6	85474435	1	Key
2	85474542	4	Weight	7	85474799	1	Shaft
3	85474260	8	Screw	8	85474294	4	Screw
4	N.S.S.	1	Gear	9	N.S.S.	1	Gear
5	N.S.S.	2	Plate	10	85474757	1	Shaft

11 CRANKSHAFT & PISTON



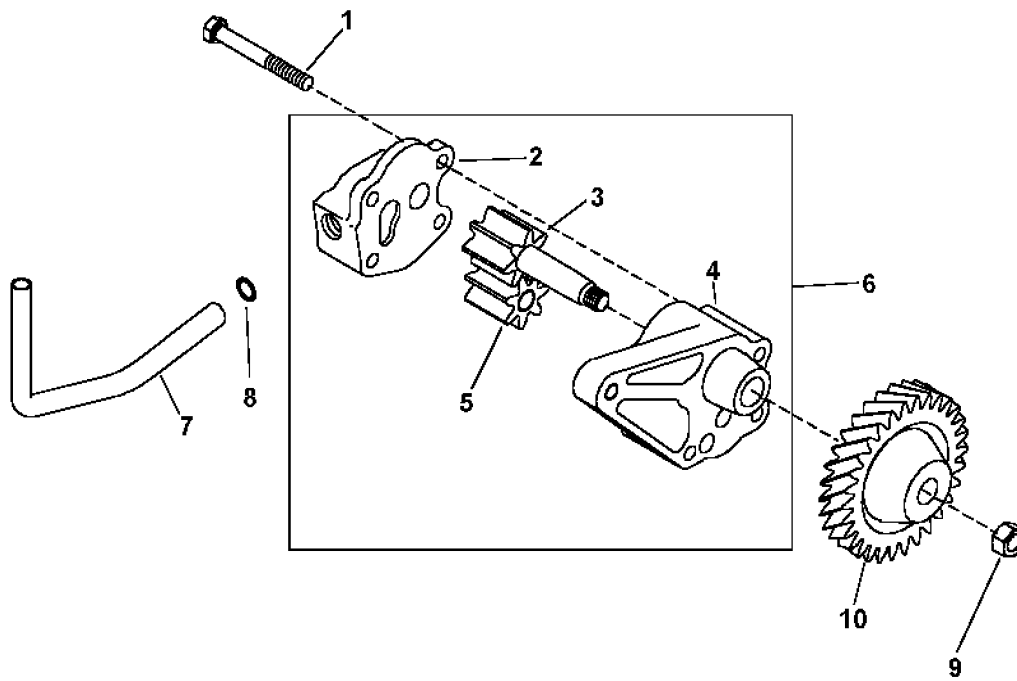
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85472348	8	Screw	17	N.S.S.	4	Bearing
2	85471837	4	Bush		N.S.S.	4	Bearing (0.254mm)
3	85473320	4	Rod	18	36117562	4	Kit, bearing
4	36103141	8	Ring, snap		36117737	4	Kit, bearing (0.254mm)
5	36106003	4	Pin	19	N.S.S.	4	Bearing
6	36117992	4	Kit-ring		N.S.S.	4	Bearing (0.254mm)
7	N.S.S.	4	Piston	20	N.S.S.	4	Bearing
8	N.S.S.	4	Liner, cylinder		N.S.S.	4	Bearing (0.254mm)
9	85474500	4	'O' Ring	21	36117570	4	Kit, bearing
	85474534	4	Packing		36117745	4	Kit, bearing (0.254mm)
	85474716	4	'O' Ring	22	36108579	4	Bolt
	85474450	4	Kit, 'O' Ring	*23	36116044	1	Sleeve
10	85473809	4	Kit, liner	24	36108330	1	Pulley
11	36117711	4	Bearing	25	85472785	1	Flange
	36117729	4	Bearing (0.010" undersize)	26	36105682	4	Screw
12	36109205	1	Dowel pin				
13	85474708	1	Key				
14	36105112	1	Gear				
15	N.S.S.	1	Crankshaft				
16	N.S.S.	4	Bearing				
	N.S.S.	4	Bearing (0.254mm)				

* Not illustrated

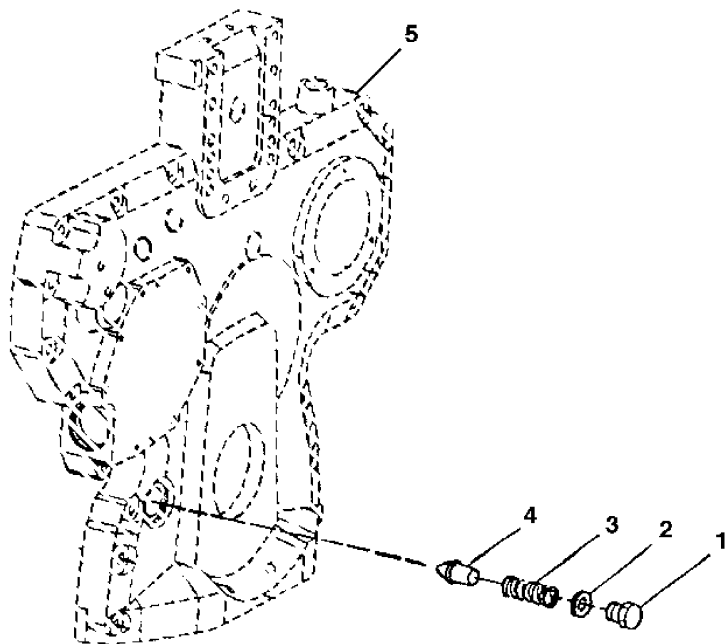


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85474658	1	Housing	6	36108579	8	Bolt
2	36107993	1	Plug	7	85470003	2	Screw
3	85474930	1	'O' Ring	8	36108579	4	Bolt
4	36114015	1	Seal	9	36104271	1	Gear
5	85474229	2	Screw	10	36115632	1	Flywheel

13 OIL PUMP

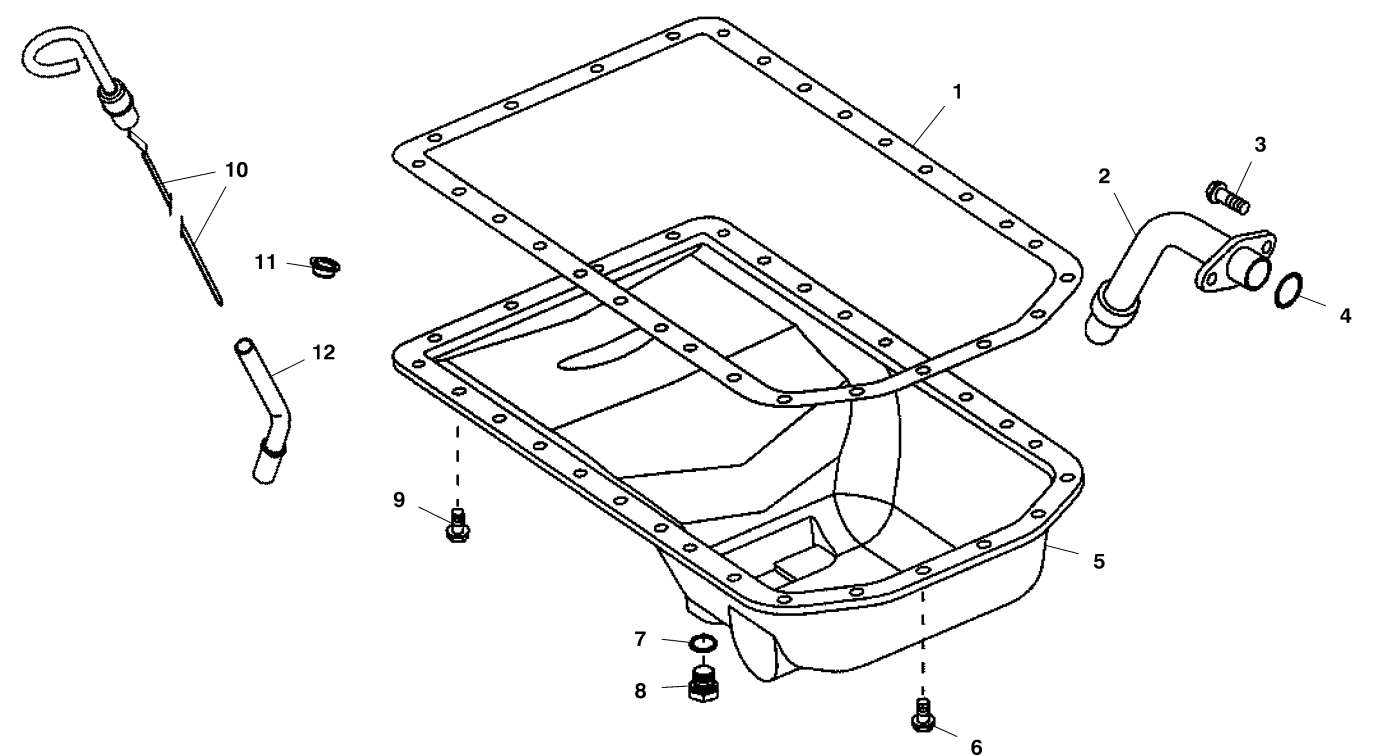


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85474286	2	Screw	6	85473783	1	Pump
2	N.S.S.	1	Cover	7	36105377	1	Tube
3	N.S.S.	1	Gear	8	36111938	1	'O' Ring
4	N.S.S.	1	Housing	9	85470052	1	Nut
5	N.S.S.	1	Gear	10	36105146	1	Gear

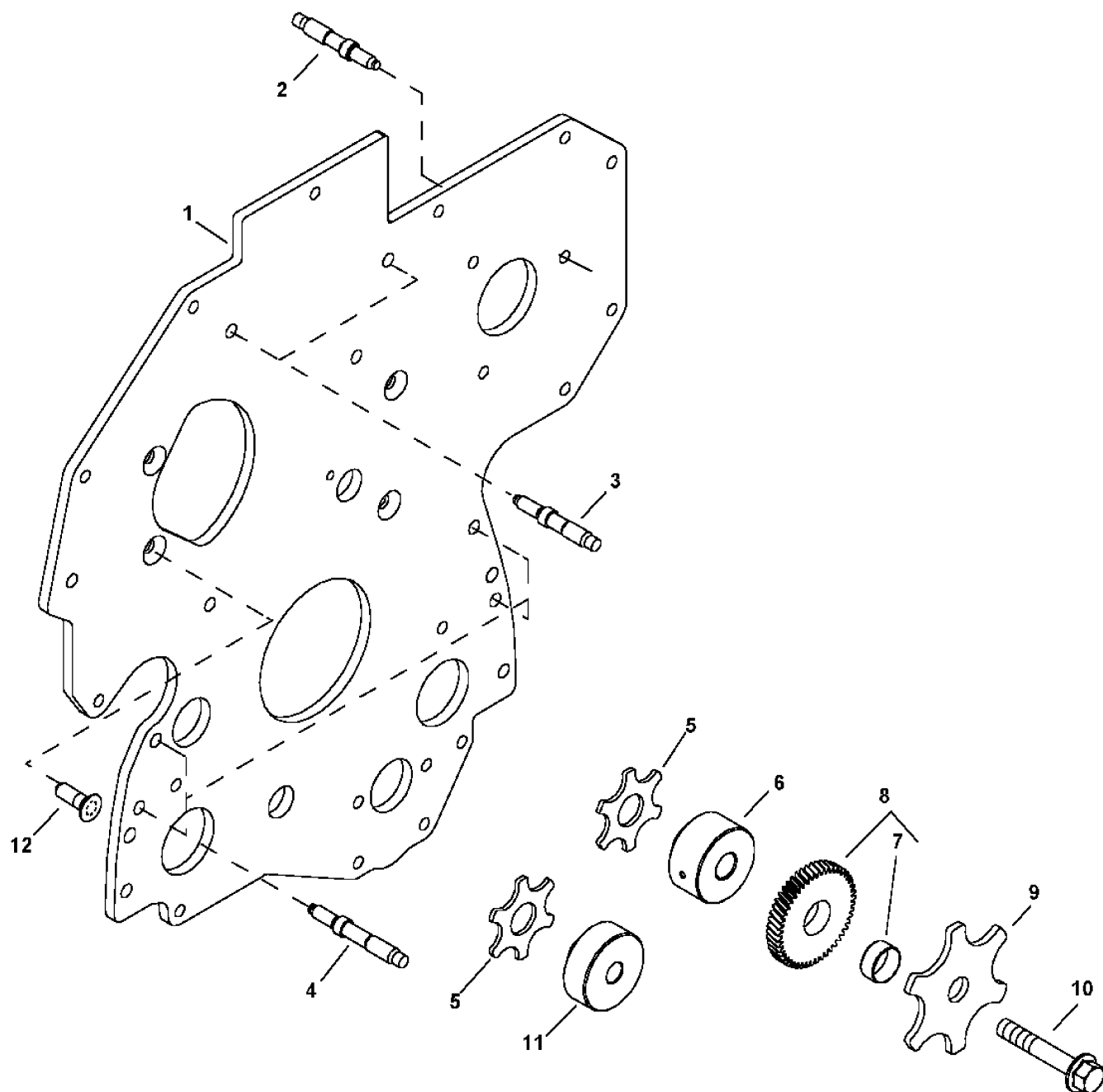


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36111557	1	Plug	4	36110999	1	Valve
2	36101194	1	Washer	5	N.S.S.	1	Bush
3	85471902	1	Spring	6	N.S.S.	1	Cover

15 OIL PAN

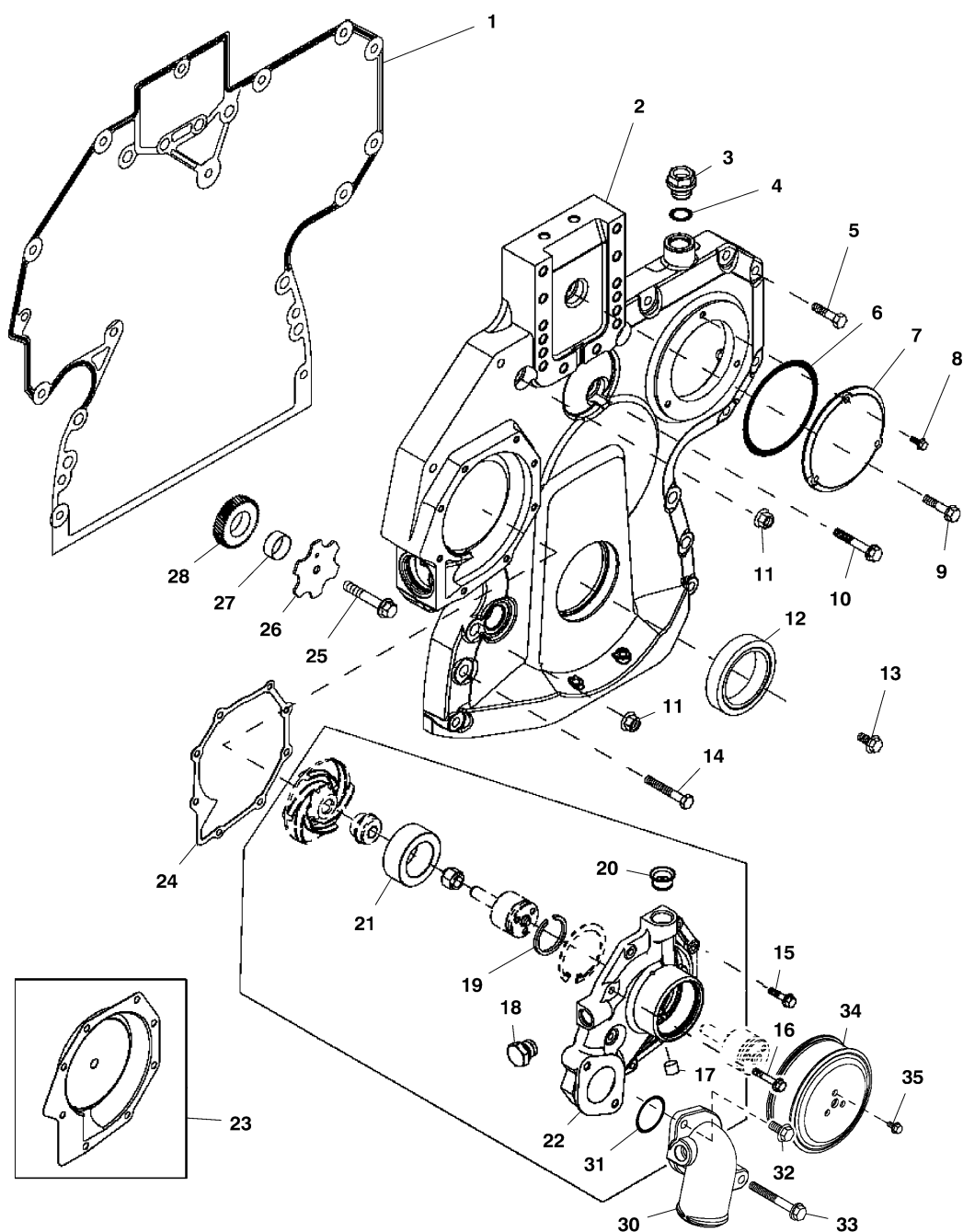


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36106193	1	Gasket	7	85470623	2	'O' Ring
2	85474948	1	Intake, oil pump	8	36114080	2	Plug
3	85470508	3	Screw	9	85474971	22	Screw
4	36109932	1	'O' Ring	10	85473387	1	Dipstick assembly
5&8	85474955	1	Pan, oil	11	85472488	1	Plug
6	85474963	6	Screw	12	85471043	1	Tube

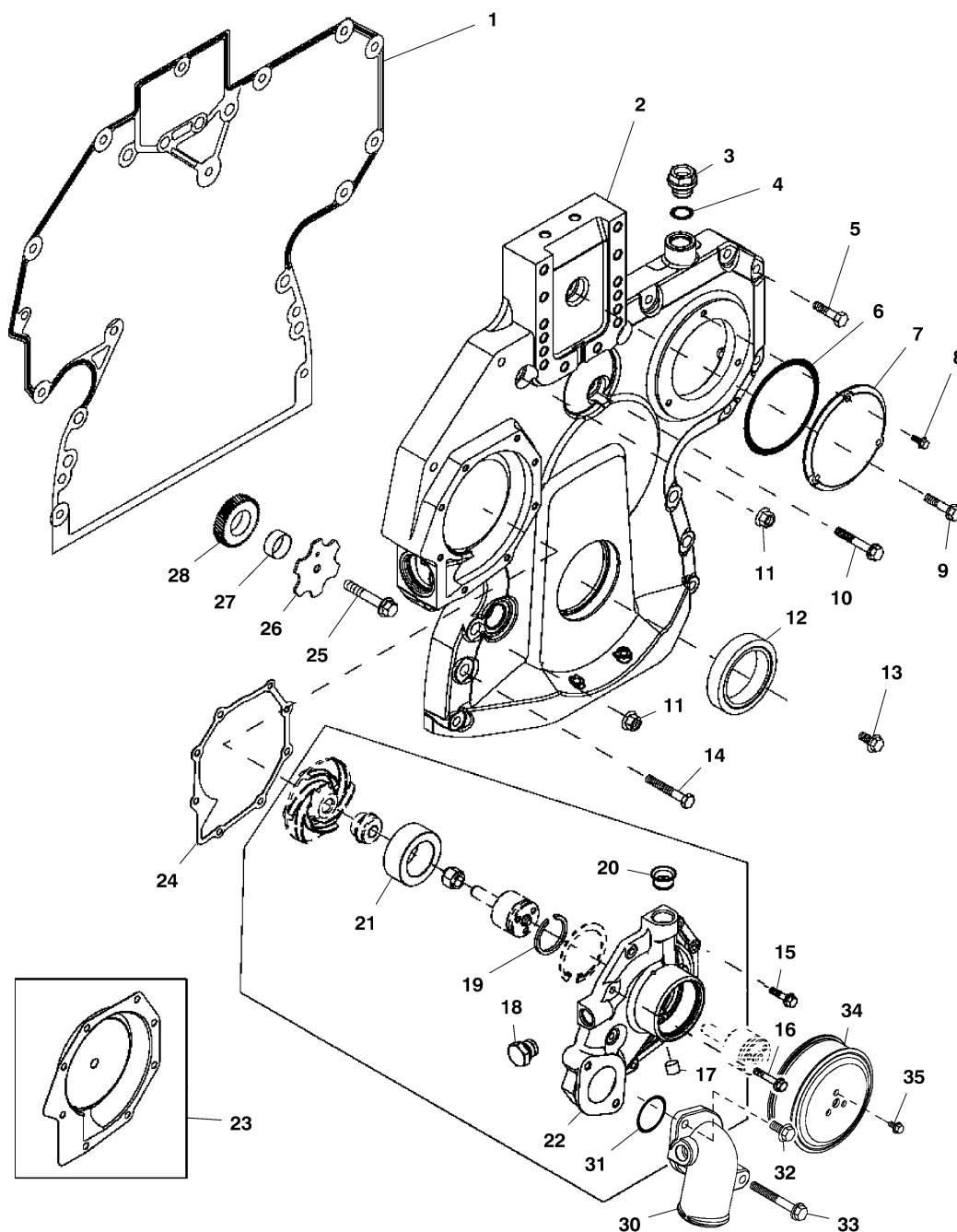


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85472058	1	Plate	7	36118966	1	Bush
2	36104651	3	Stud	8	85473437	1	Gear
3	85472041	2	Stud	9	36107951	1	Washer
4	36106797	4	Stud	10	85474252	1	Screw
5	85471035	1	Washer	11	36104248	1	Shaft
6	36103927	1	Shaft	12	36108587	4	Screw

17 TIMING GEAR COVER, WATER PUMP & CRANKSHAFT LOWER IDLER GEARS

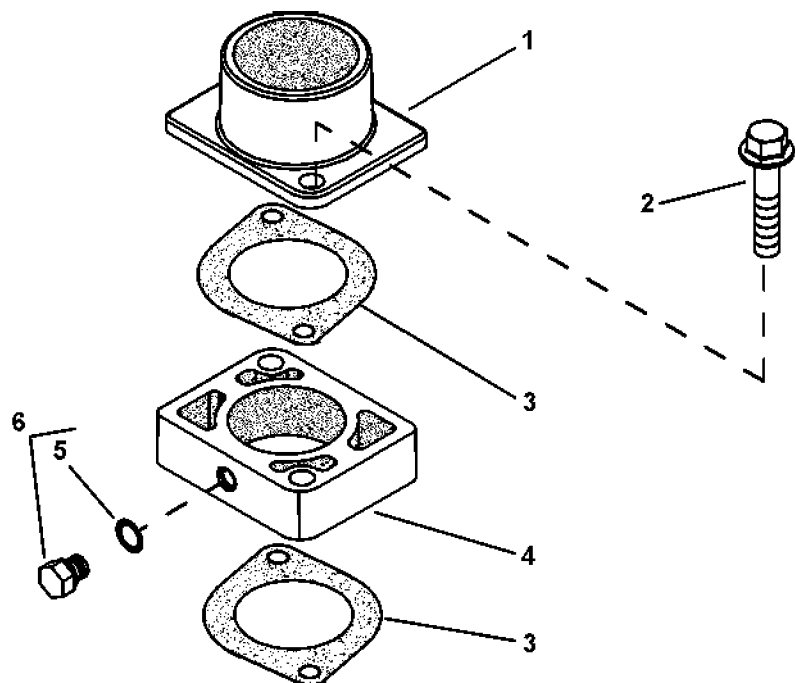


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85472157	1	Gasket	15	85471167	5	Screw
2	85474682	1	Cover	16	85471183	3	Screw
3	85473502	1	Plug	17	85474468	2	Filter
4	85470631	1	'O' Ring	18	36114080	2	Plug
5	85471092	10	Screw	19	36101160	1	Ring, snap
6	36105450	1	'O' Ring	20	36106060	1	Gasket
7	36105419	1	Cover	21	N.S.S.	1	Ball bearing
8	85470342	3	Screw	22	85474856	1	Pump
9	85471084	1	Screw	23	85474906	1	Kit
10	85471118	1	Screw	24	36106250	1	Gasket
11	36100188	6	Nut	25	85474278	1	Screw
12	36116036	1	Seal	26	36107951	1	Washer
13	85471134	1	Screw	27	36104230	1	Bush
14	85471126	2	Screw				

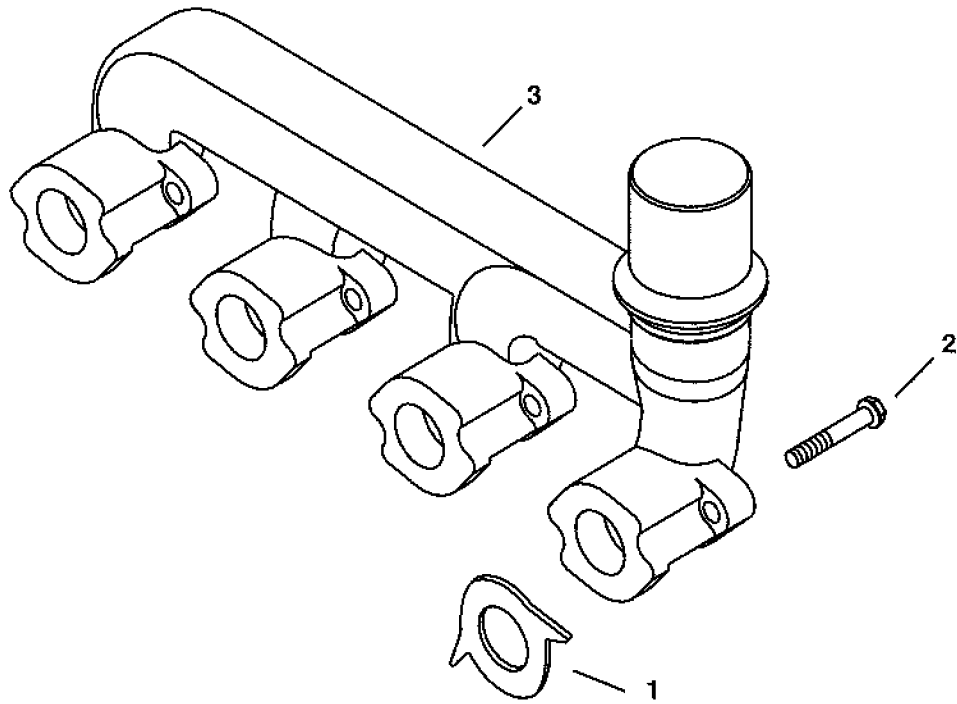


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
28	36115095	1	Gear	33	85470375	1	Screw
*29	85474864	1	Cover	34	36105245	1	Pulley
30	36105559	1	Adaptor	35	85470334	3	Screw
31	36111425	1	'O' Ring				
32	85470417	1	Screw				* Not illustrated

19 AIR INLET

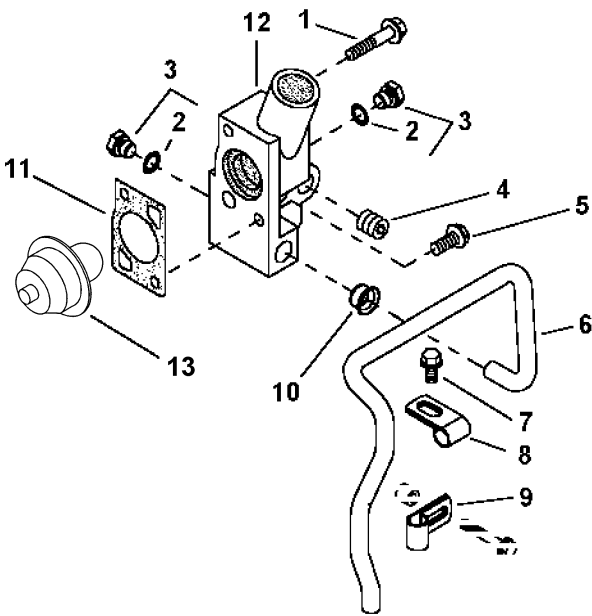


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85475069	1	Manifold, intake	4	85472413	1	Spacer
2	85470474	2	Screw	5	85474443	1	'O' Ring
3	36110864	2	Gasket	6	36116341	1	Fitting

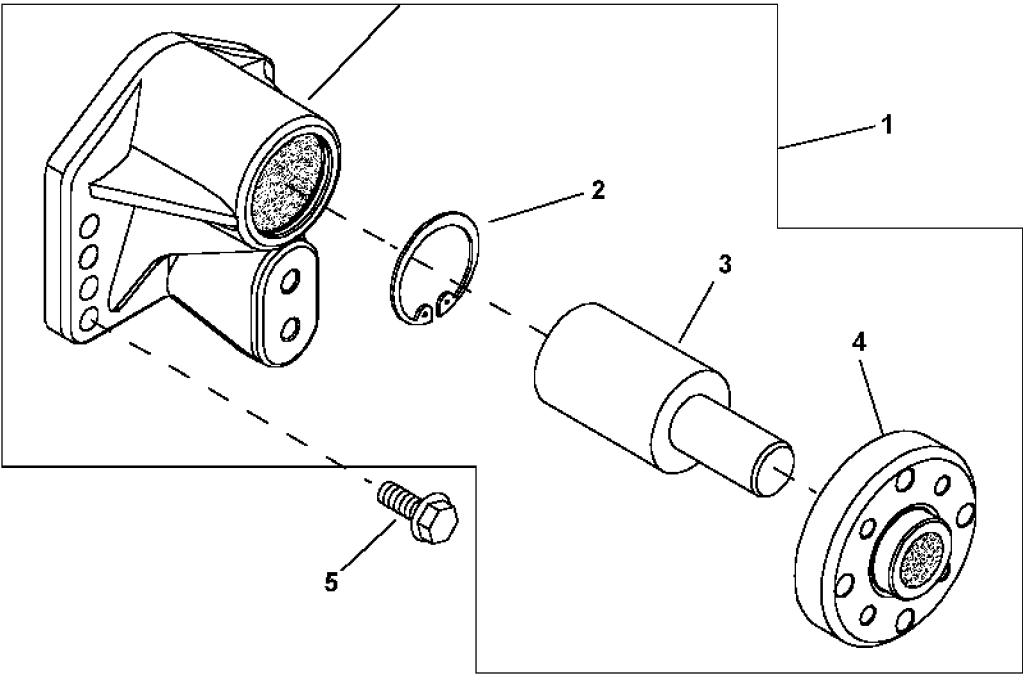


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36111458	4	Gasket				
2	85470292	8	Screw				
3	36105864	1	Manifold				

21 THERMOSTAT & THERMOSTAT COVER

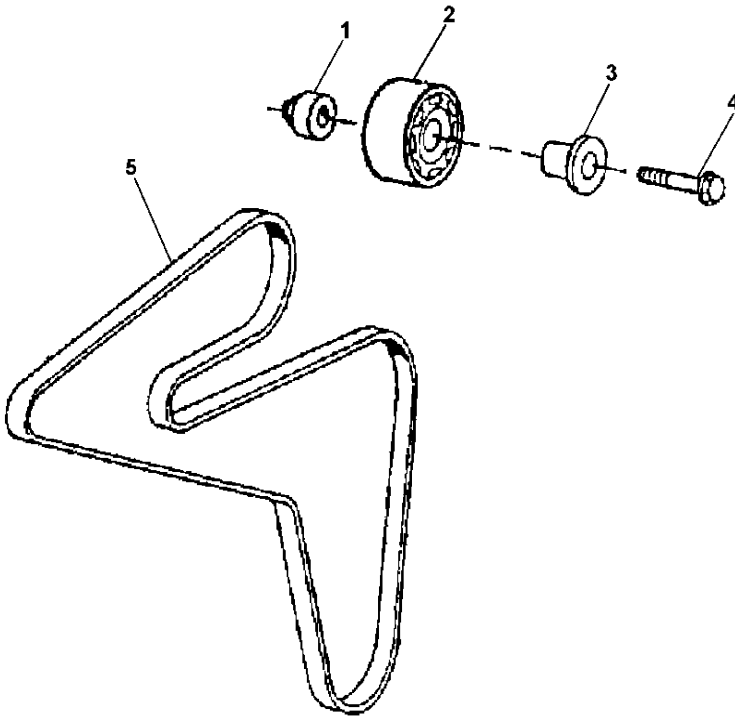


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85474195	1	Screw	8	36106169	1	Clamp
2	85470607	2	'O' Ring	9	85472223	1	Clamp
3	36114072	2	Plug	10	85474476	1	Gasket
4	36100220	3	Plug	11	85472496	1	Gasket
5	85474161	1	Screw	12	85474633	1	Cover
6	36106854	1	Tube	13	85473254	1	Thermostat
7	36100881	1	Screw				

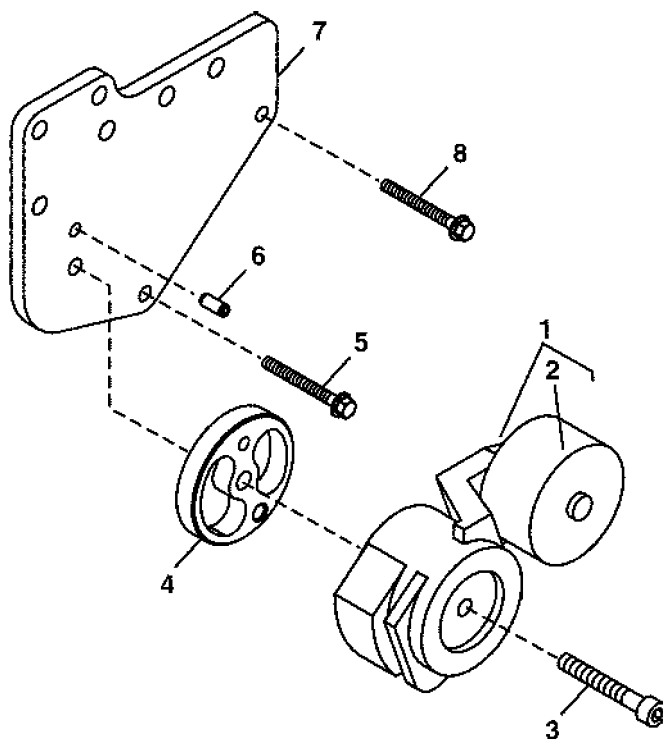


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85474807	1	Housing, bearing (bearing inc.)	4	N.S.S.	1	Hub
2	36102994	1	Ring, snap	5	85470235	4	Screw
3	N.S.S.	1	Bearing				

23 FAN BELT & IDLER PULLEY

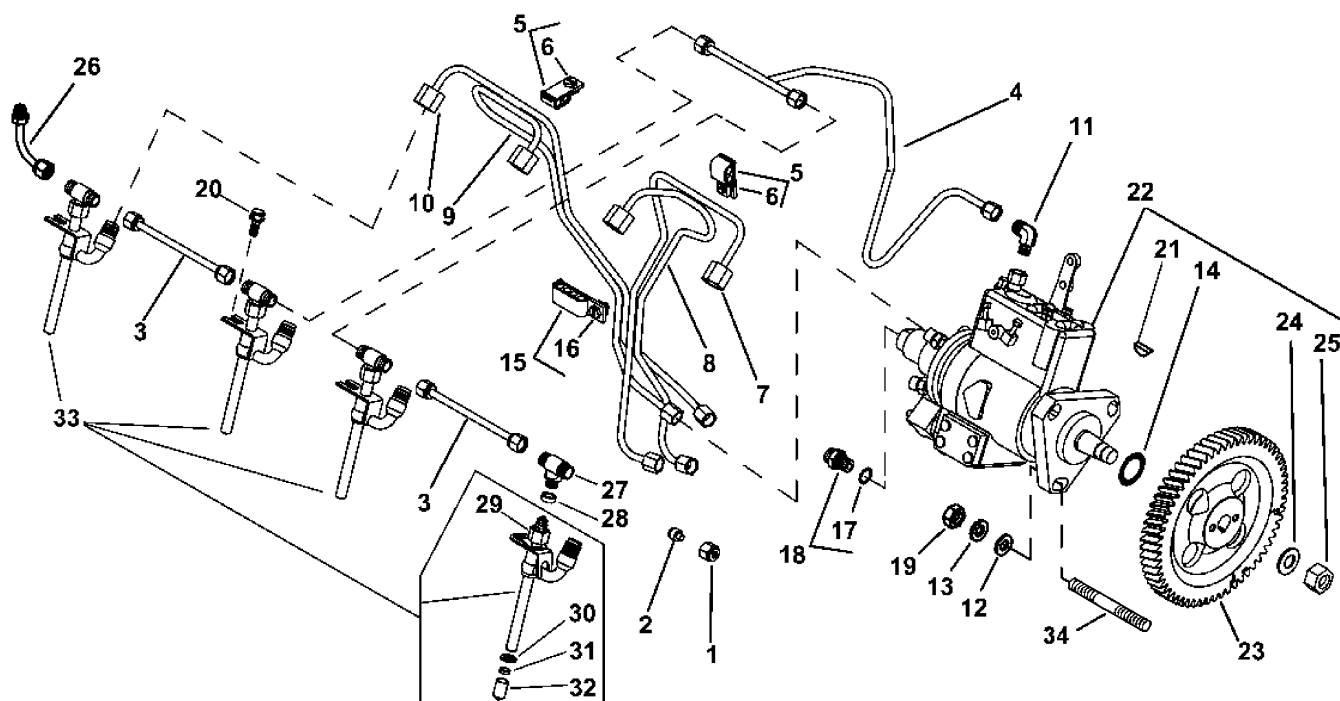


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85472280	1	Spacer	4	85474179	1	Screw
2	85473833	1	Pulley	5	36106334	1	Belt, fan
3	85472454	1	Sleeve				

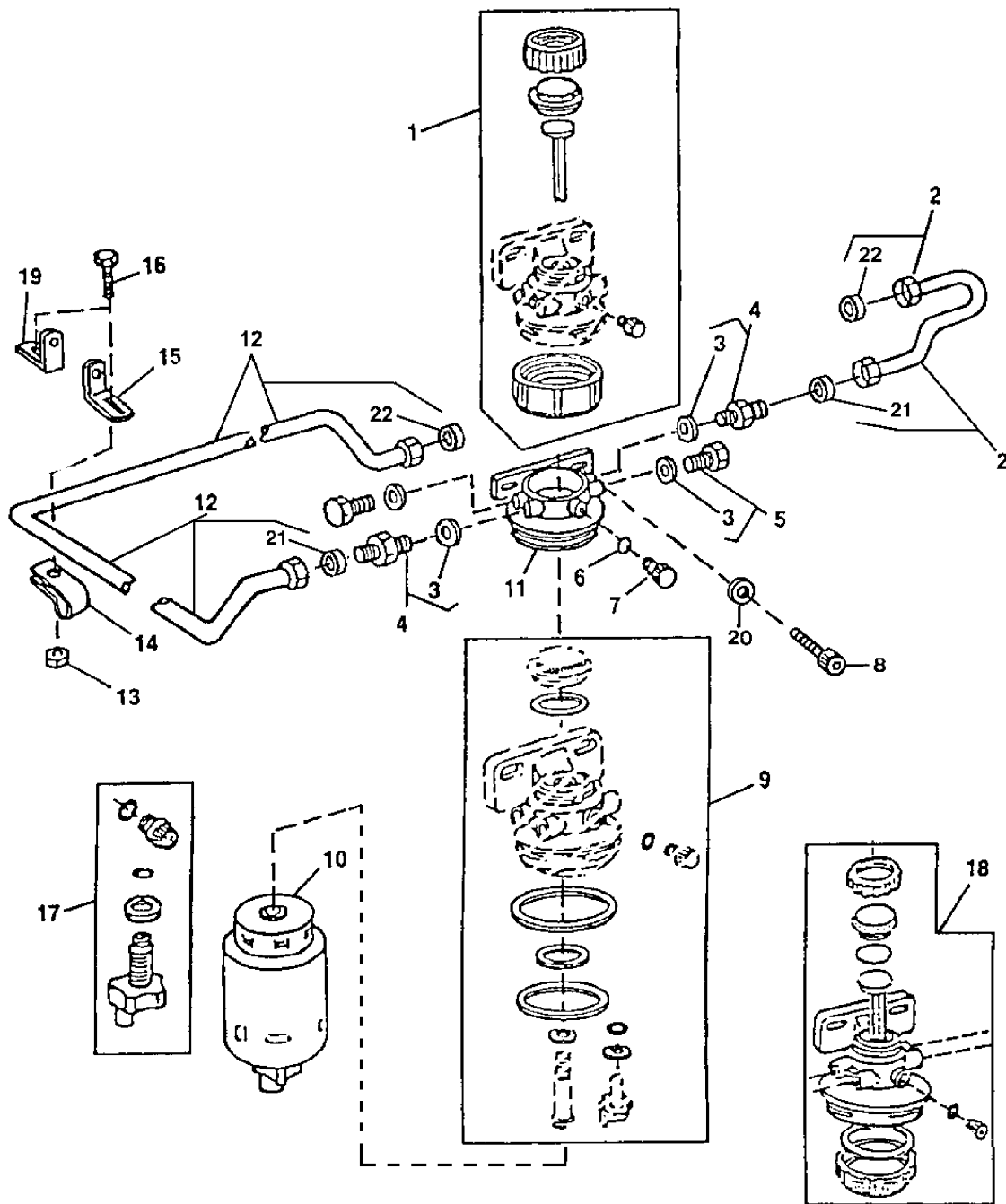


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36118487	1	Pulley assembly	5	85471134	1	Screw
2	85474674	1	Bolt	6	85474401	1	Pin, split
	85473833	1	Pulley	7	36108082	1	Support
3	85474237	1	Screw	8	85471134	1	Screw
4	85474583	1	Spacer				

25 FUEL INJECTION SYSTEM



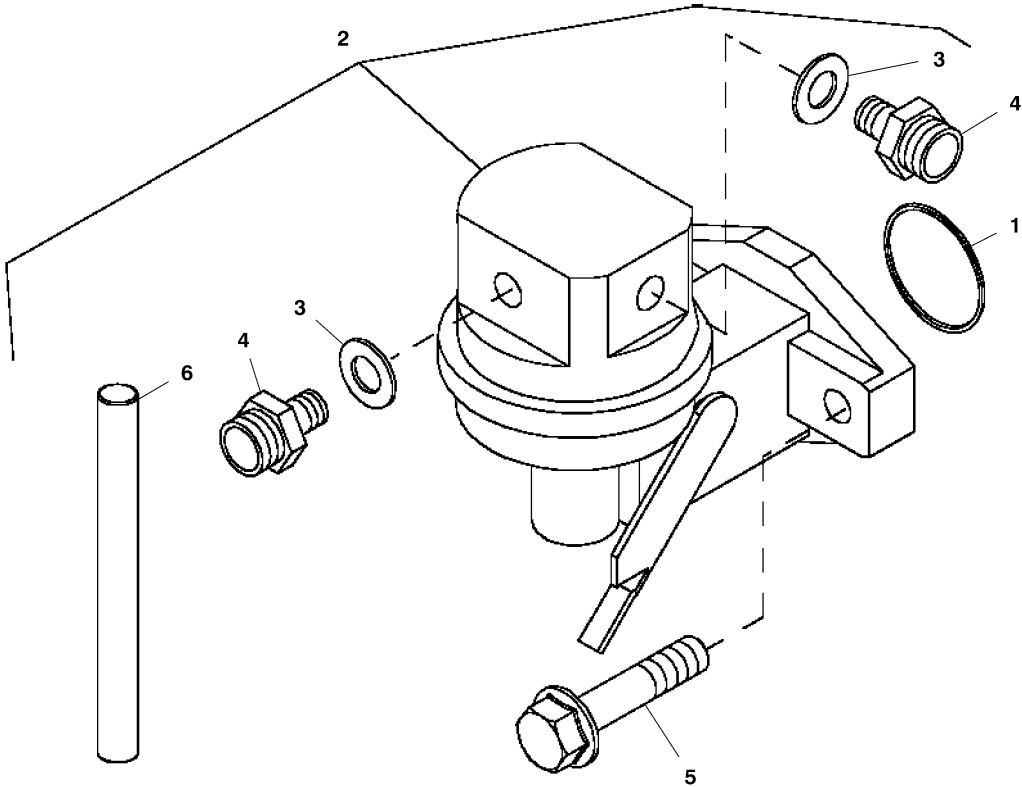
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36106821	2	Nut	19	36100162	3	Nut
2	36101962	1	Plug	20	36104644	4	Screw
3	36118339	2	Tube assembly	21	-		
4	85474765	1	Tube assembly	22	85475150	1	Pump assembly, injection feed
5	36112514	2	Clamp	23	36108132	1	Gear
6	36112514	2	Screw	24	36108256	1	Washer
7	36115798	1	Tube assembly	25	36111516	1	Nut
8	36115806	1	Tube assembly	26	-		
9	36115814	1	Tube assembly	27	36110377	4	Tee
10	36115822	1	Tube assembly	28	36110674	4	Washer
11	36110203	1	Elbow	29	36110666	1	Nut
12	36100055	3	Lockwasher	30	36111672	1	Washer
13	36119576	3	Washer	31	85474609	1	Washer
14	85472447	1	'O' Ring	32	36119469	1	Plug
15	36112522	1	Clamp	33	36116317	4	Nozzle, injector
16	85470458	1	Screw	34	36104651	3	Stud
17	85470599	1	'O' Ring				
18	36116242	1	Adaptor				



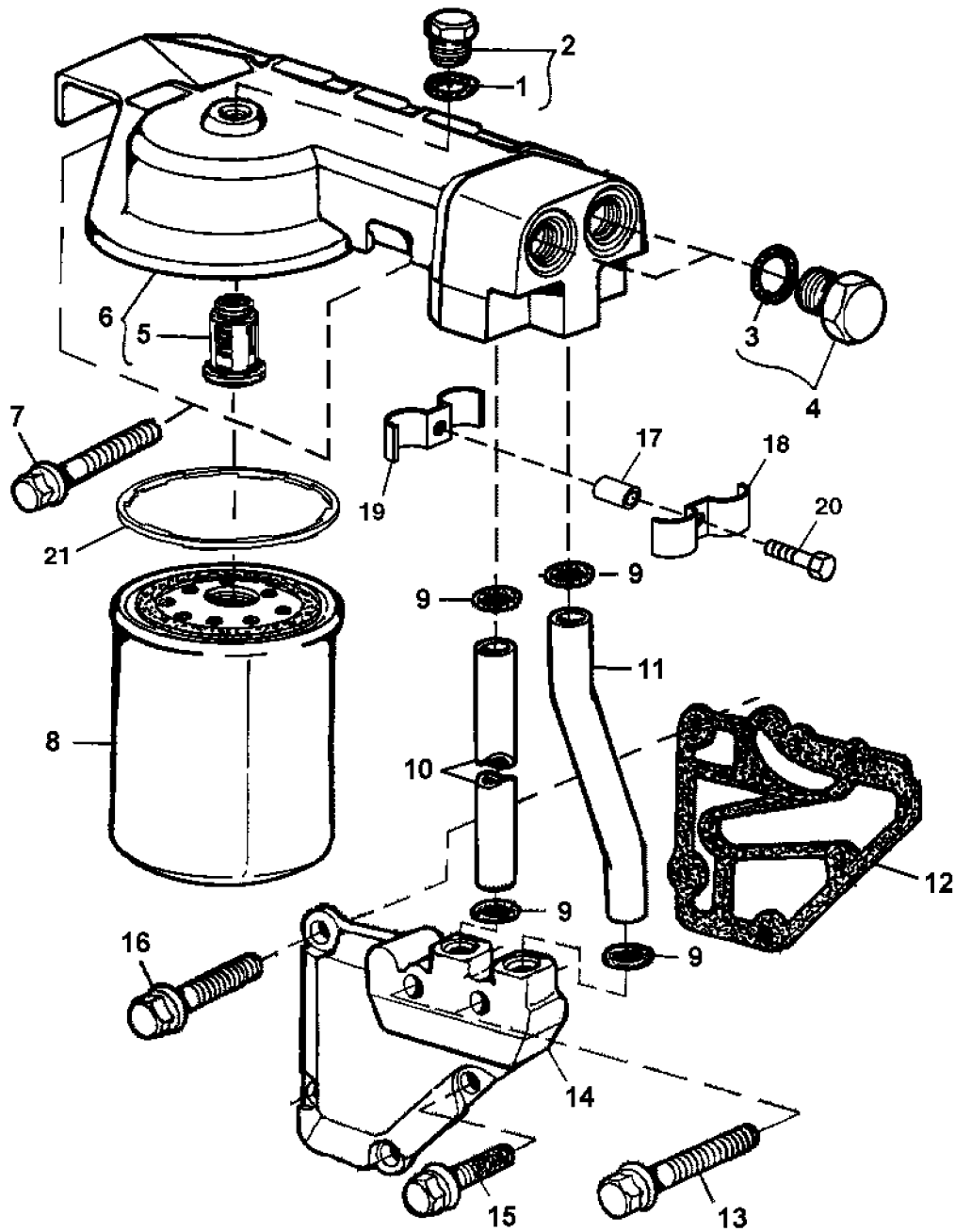
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36114536	1	Kit, 'O' Ring	14	36118750	1	Clamp
2	36116267	1	Tube assembly	15	36104552	1	Bracket
3	85470599	1	'O' Ring	16	85470888	1	Screw
4	36116242	2	Adaptor	17	36116648	1	Kit
5	36114098	1	Plug	18	85474732	1	Kit
6	See 17	1	'O' Ring	19	36109700	1	Strap
7	See 17	1	Plug	20	85470136	2	Washer
8	85474245	2	Screw	21	85472744	2	Washer, sealing
9	85475127	1	Kit, 'O' Ring	22	85472744	2	Washer, sealing
10	85474104	1	Fuel filter element	*23	36114544	1	Bowl
11	85474732	1	Head	*24	85472744	2	Washer, sealing
12	36116218	1	Tube assembly				
13	36100840	1	Nut				

* Not illustrated

27 FUEL TRANSFER PUMP

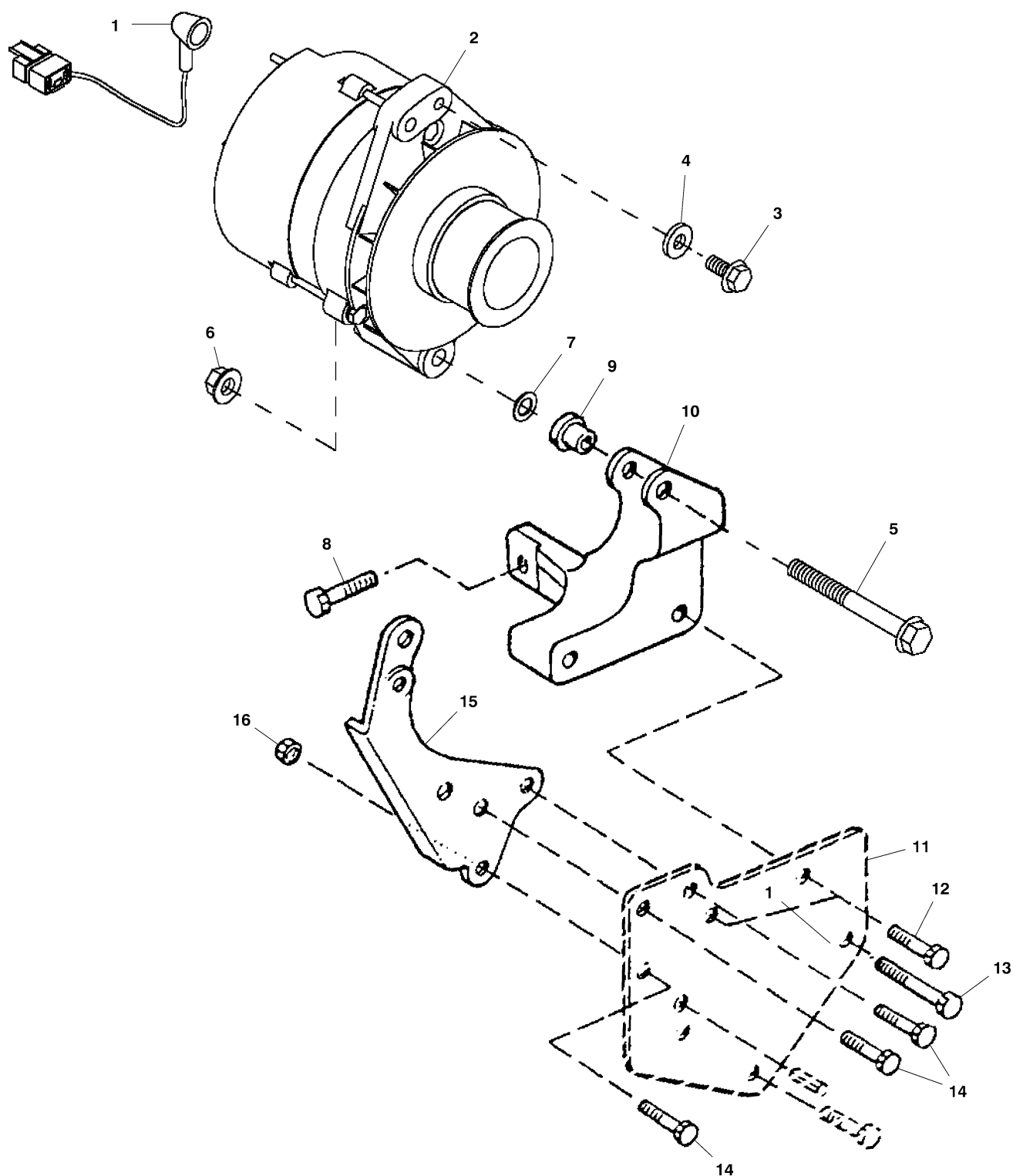


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	36106102	1	'O' Ring	4	85474567	2	Fitting
2	36125110	1	Pump, fuel transfer	5	85474831	2	Screw
3	85474575	2	'O' Ring	6	36108371	1	Rod, push

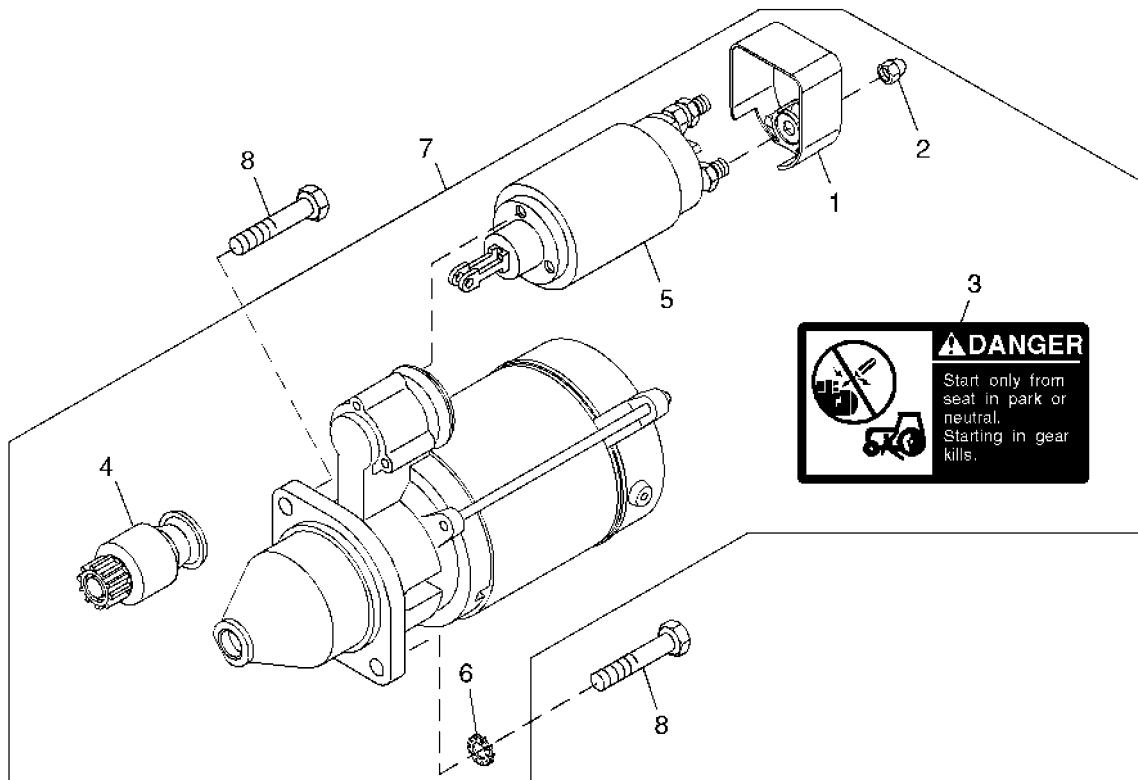


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85470615	1	'O' Ring	12	85475200	1	Gasket
2	85471811	1	Plug	13	85470433	2	Screw
3	85470649	2	'O' Ring	14	85472405	1	Adaptor
4	85475226	2	Fitting	15	36118149	1	Screw
5	85475234	1	Valve	16	85470375	3	Screw
6	85475242	1	Head	17	36104321	1	Spacer
7	85470235	2	Screw	18	85475176	1	Clamp
8	22206148	1	Filter, oil element	19	85475184	1	Clamp
9	85472611	4	'O' Ring	20	85475192	1	Screw
10	85474872	1	Tube	21	85473585	1	Seal
11	85474880	1	Tube				

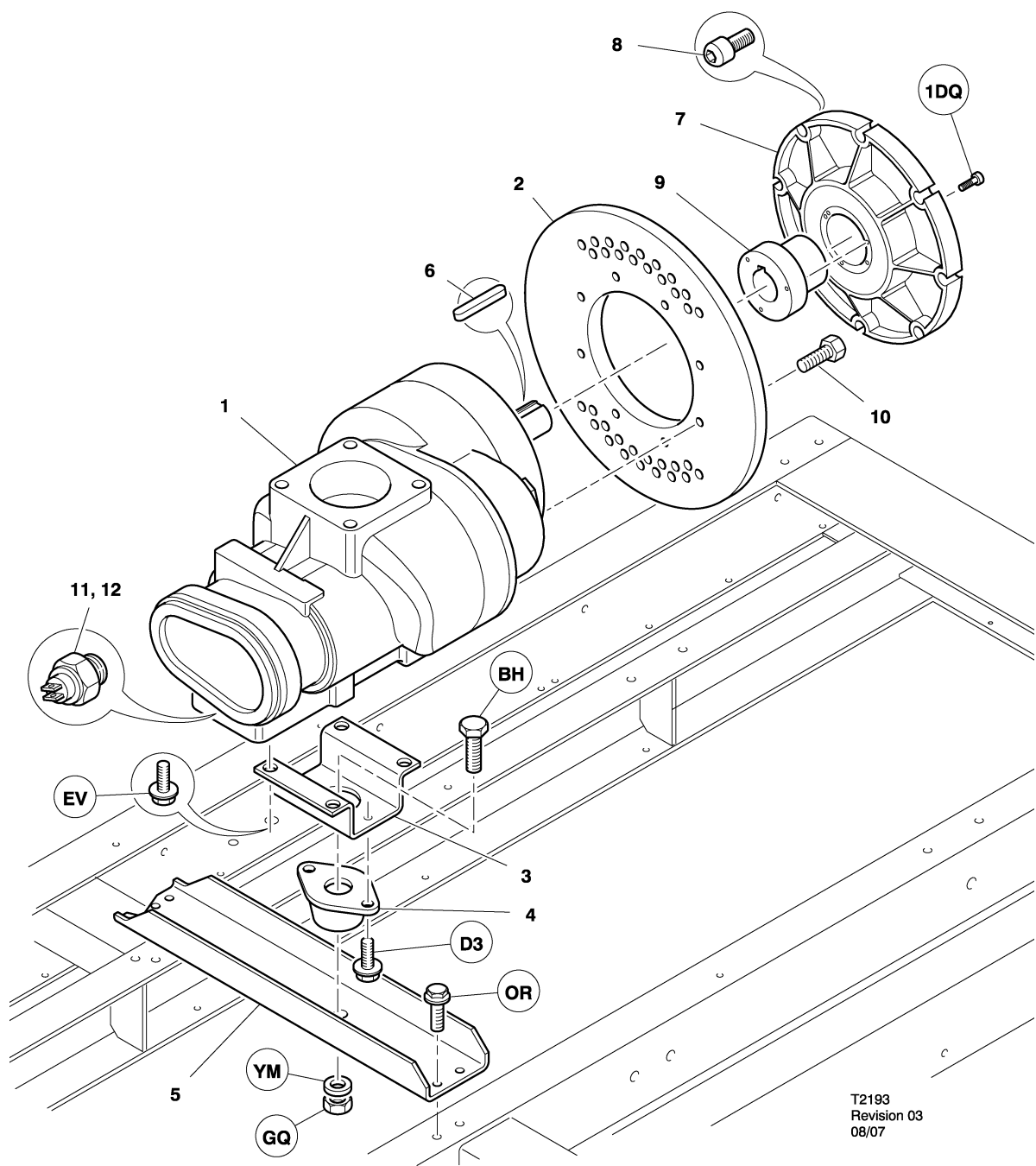
29 ALTERNATOR



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85473882	1	Harness	9	36103232	1	Bush
2	85474070	1	Alternator	10	36108066	1	Bracket
3	85470417	1	Screw	11	36108082	1	Support
4	85474625	1	Washer	12	85470185	2	Screw
5	85474211	1	Screw	13	85471134	2	Screw
6	36100188	1	Nut	14	85474161	3	Screw
7	36110112	1	Washer	15	36108074	1	Strap
8	85474161	2	Screw	16	36100188	3	Nut

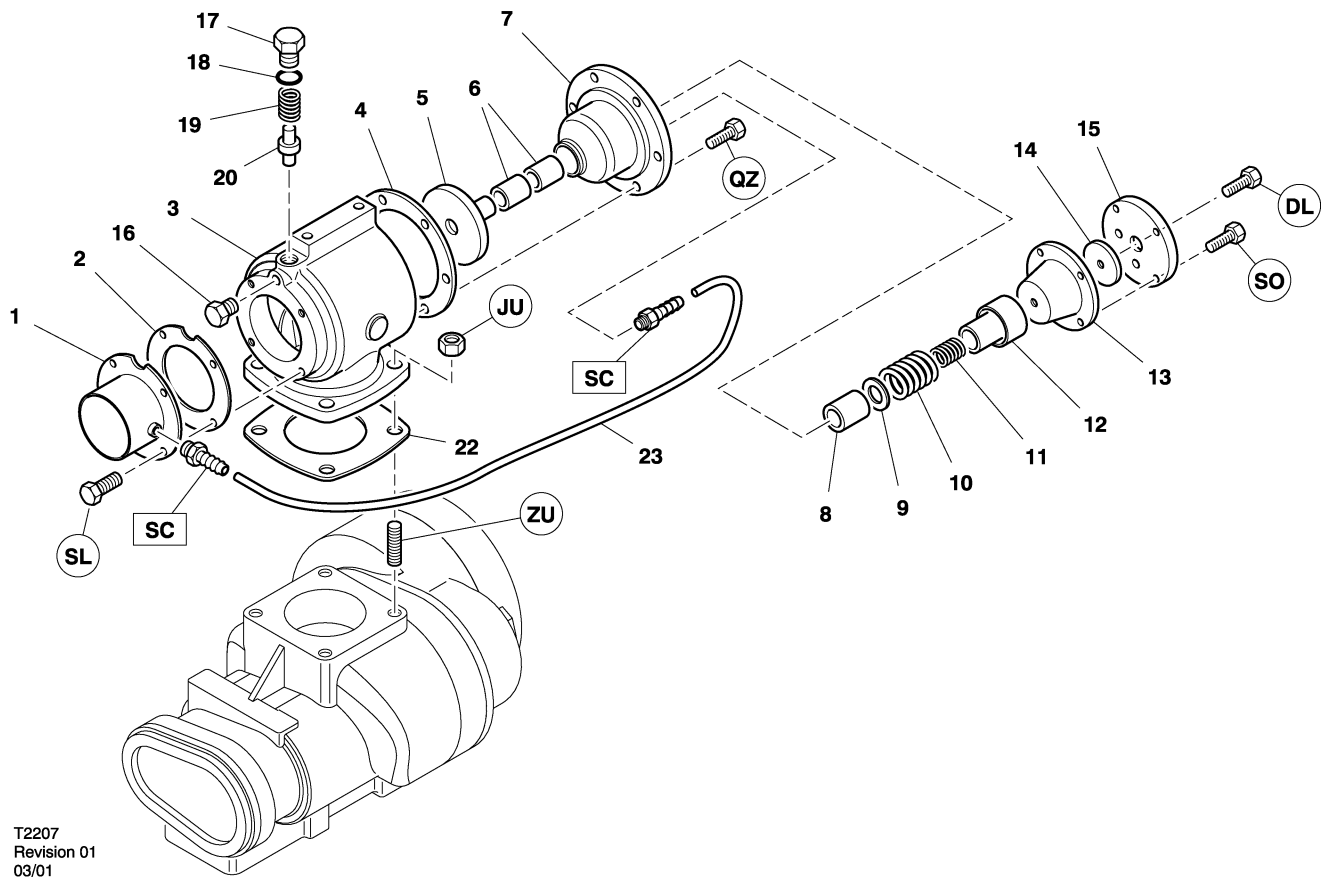


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	85475077	1	Cover	5	85475101	1	Valve, solenoid
2	85475085	1	Nut	6	85475119	1	Lockwasher
3	36118768	1	Decal	7	85475002	1	Motor, starter
4	85475093	1	Drive assembly	8	85474161	2	Screw

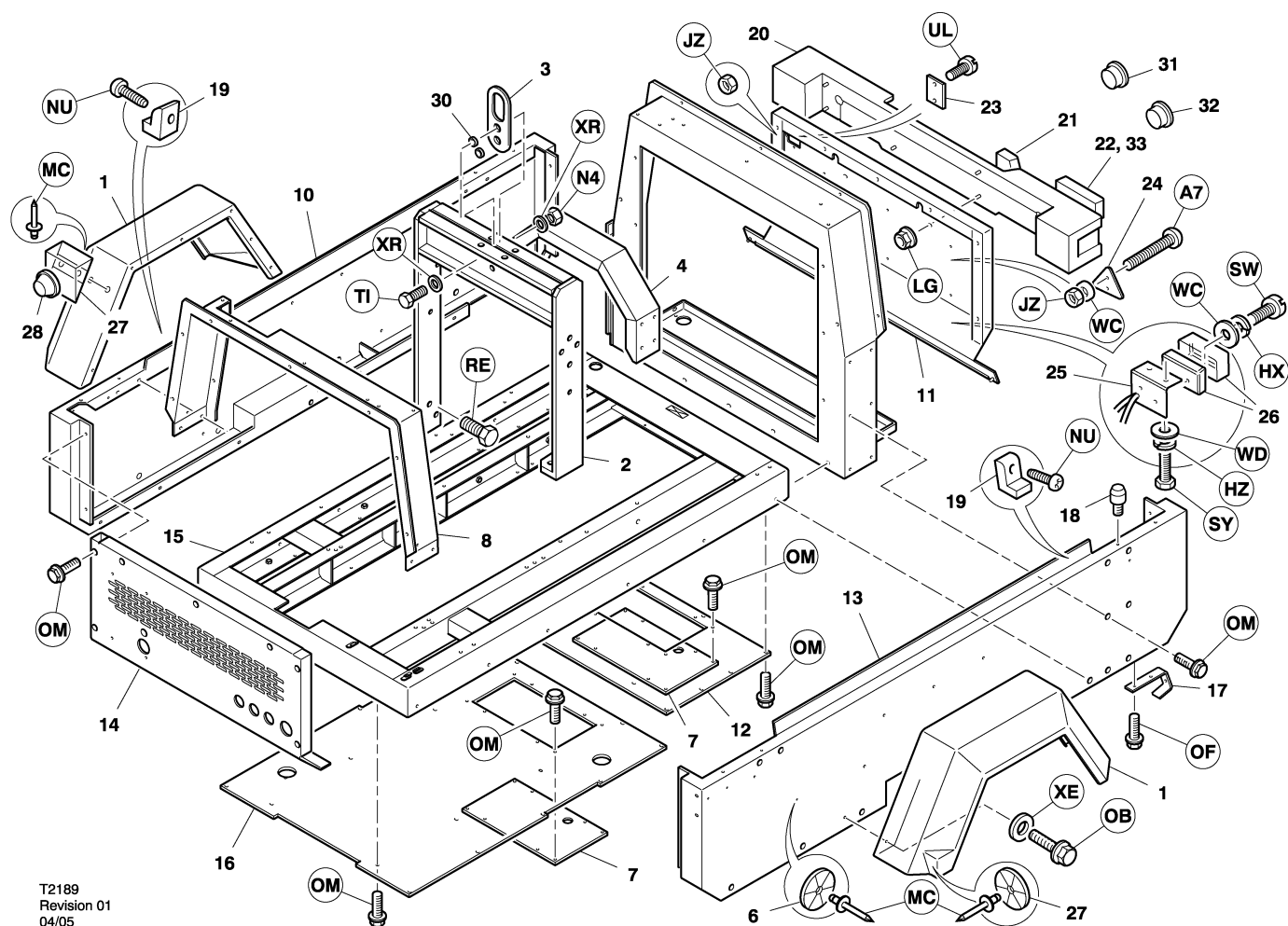


T2193
Revision 03
08/07

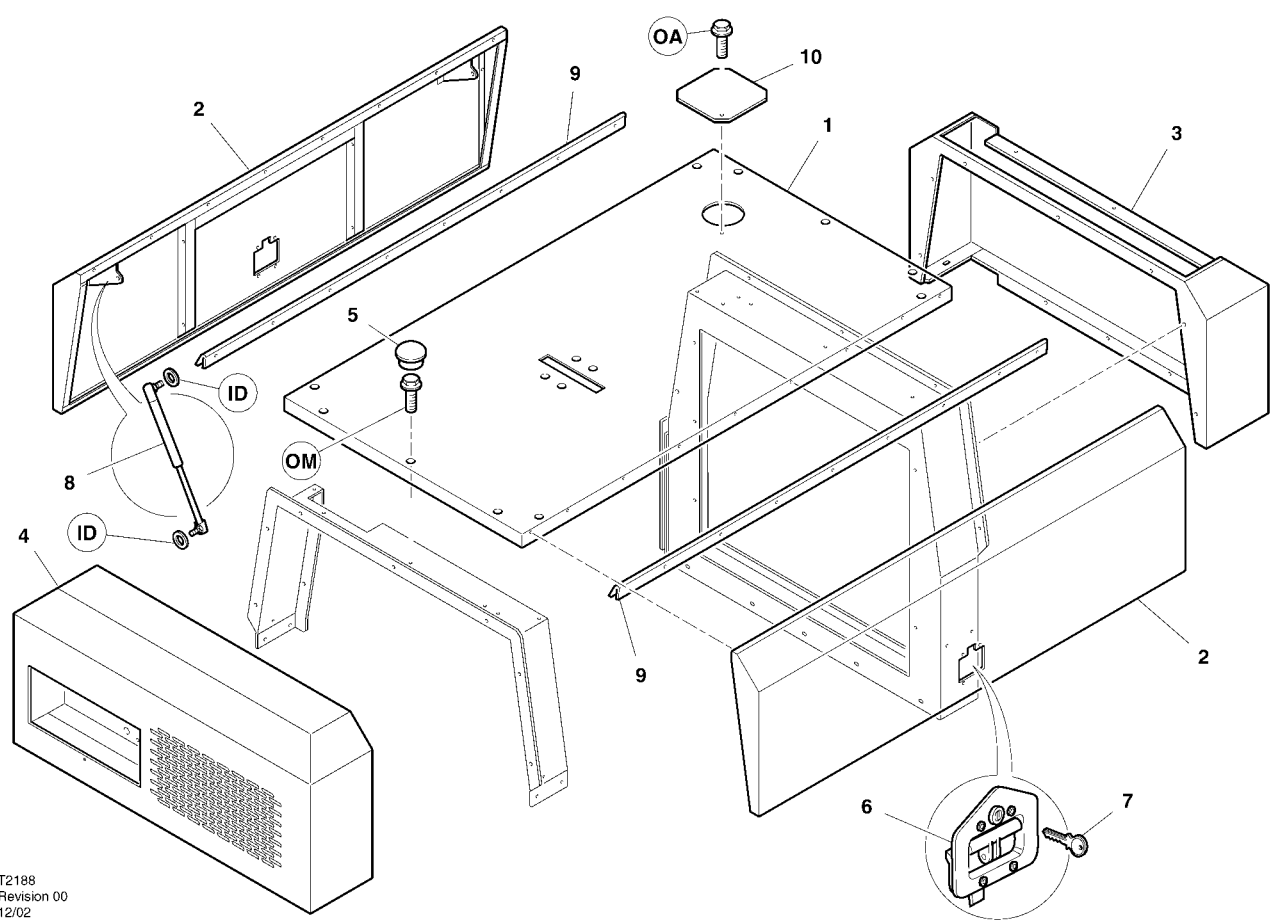
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	54390943	1	Airend	7	54755087	1	Coupling
2	54390950	1	Adaptor	8	39110309	8	Screw
3	54471685	1	Bracket	9	54755111	1	Bearing, hex.
4	54471057	1	Mount	10	93500924	8	Screw
5	54471677	1	Bracket	11	35596436	1	Switch, temperature
6	35321421	1	Key	12	39404165	1	'O' Ring



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	93151959	1	Flange	12	35588193	1	Piston
2	35588318	1	Gasket	13	35317197	1	Diaphragm
3-20	54436845	1	Valve, unloader	14	35317239	1	Washer
3	54425335	1	Body	15	35836949	1	Cover
4	35588300	1	Gasket	16	92497700	1	Plug
5	35591122	1	Plate	17	35278555	1	Plug
6	35318005	2	Bush	18	35278589	1	'O' Ring
7	35833227	1	Housing	19	35318914	1	Spring
8	35318013	1	Bush	20	35317213	1	Pin
9	35317205	1	Washer	21	-		
10	35322767	1	Spring	22	36889202	1	Gasket
11	92829233	1	Spring	23	35282292	0,4m	Tube (Nylon)



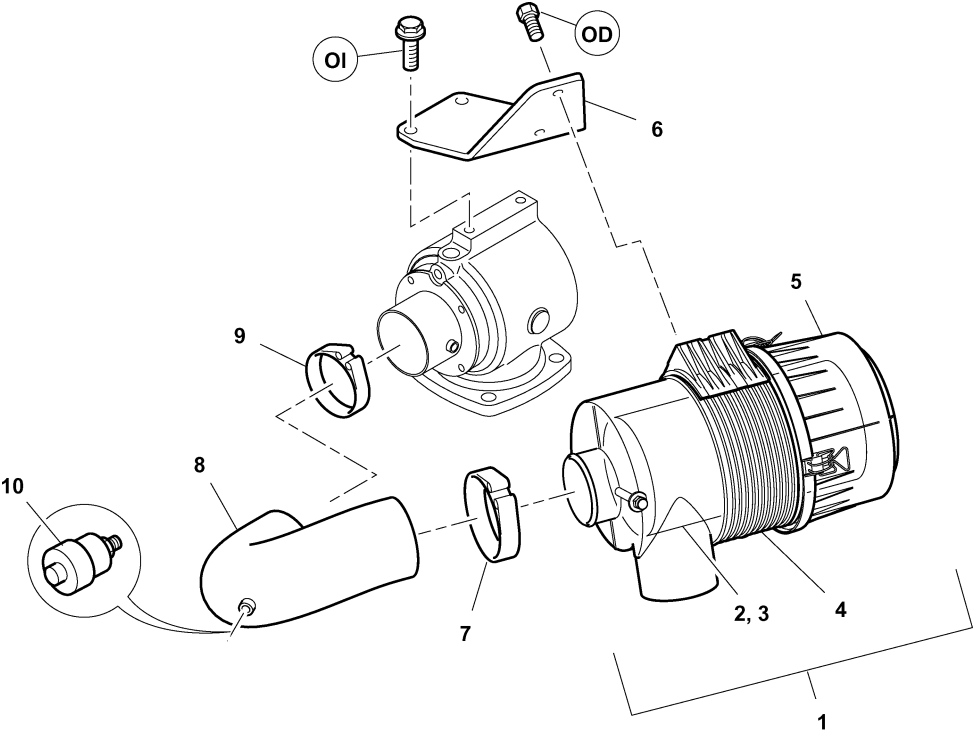
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	92816974	2	Mudguard	16	54563663	1	Panel
2-3	22208037	1	Bail, lifting assembly fixed	17	92807585	2	Protector
	22208029	1	Bail, lifting assembly security	18	92035187	4	Pin, locating
2	22180418	1	Bail, lifting	19	92799519	4	Protector
3	54629753	1	Eye, fixed	20	92816982	1	Bar, bumper
	54629761	1	Eye, security	21	92901230	2	Light
4	54615810		Bracket	22	92901222	2	Light
5	-			23	92822378	1	Plate, cover
6	92121243	4	Reflector (amber)	24	92721331	2	Reflector (red)
7	36867174	2	Panel	25	89203822	1	Bracket
8	54501648	1	Support	26	93477388	1	Fog light assembly
9	54511209	1	Support	27	92085729	2	Reflector (white)
10	88132352	1	Panel	28	54687801	2	Bracket
11	88132386	1	Panel	29	92121250	2	Light, side
12	54512793	1	Panel	30	54629787	4	Spacer
13	54652862	1	Panel	31	92783281	3	Plug
14	54652870	1	Panel	32	92898758	2	Plug
15	22175533	1	Frame	33	92479757	2	Bulb, light



T2188
Revision 00
12/02

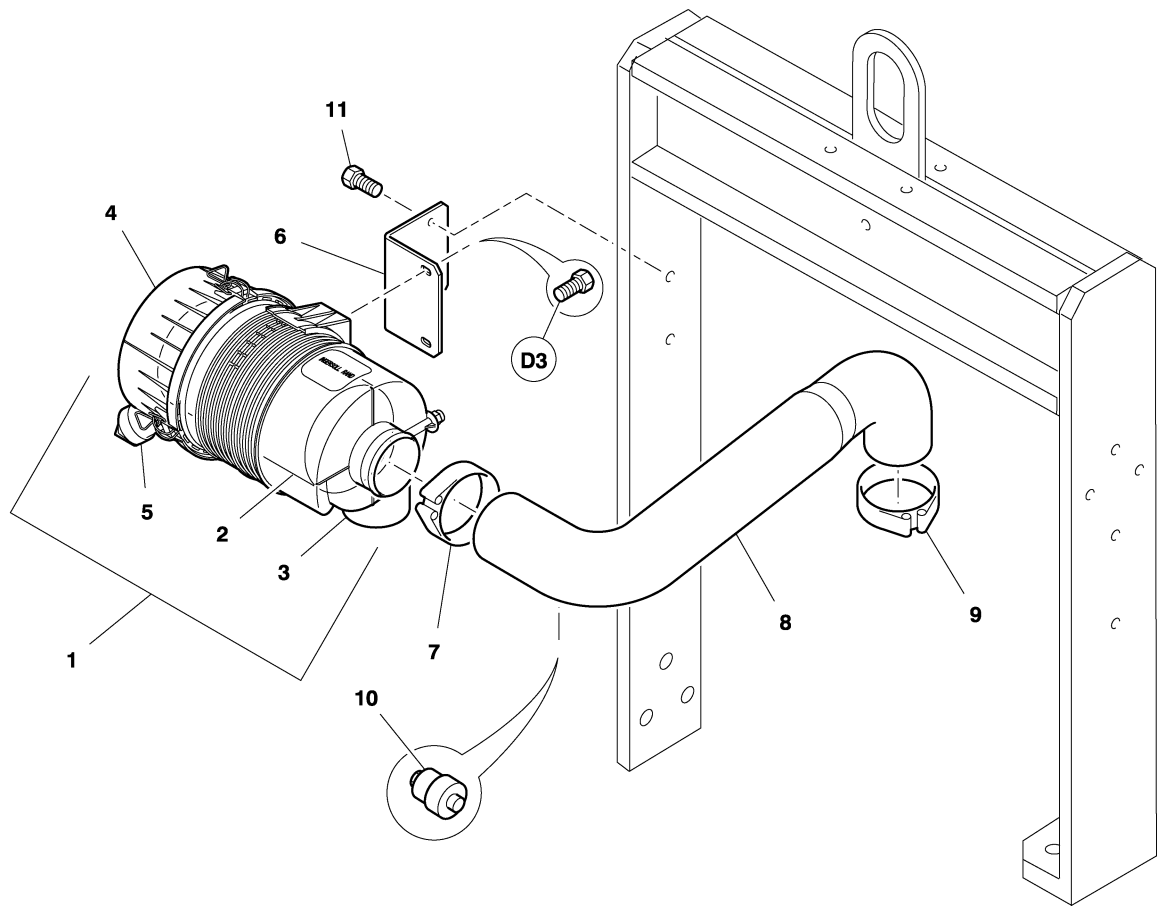
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22185185	1	Panel	10	54758198	1	Plate, cover
2	54652847	2	Door	11	22217640	1	Panel
3	54652839	1	Enclosure, fixed	12*	22693808	1	Baffle, intake – top front
4	54652821	1	Enclosure, fixed	13*	96704176	4	Nut. hex. flange, M6
5	92783281	10	Plug	14*	22689400	1	Splitter, exhaust splitter
6-7	92816859	2	Latch	15*	92398122	1	Screw. hex. flange, M6x20
7	92094358	2	Key				
8	54443213	4	Spring, gas				
9	92816743	2	Hinge				

* Not illustrated, parts for CE version from s/n 521500



T2217
Revision 00
03/03

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1-5	22272611	1	Filter assembly	6	22173231	1	Bracket
2	54626452	1	Element, air filter	7	92117696	1	Clamp
3	54751532	1	Element, air filter (safety)	8	54624754	1	Hose
4	85433860	1	Bracket, support	9	92172600	1	Clamp
5	85433878	1	Cap, end	10	35314939	1	Indicator, air restriction

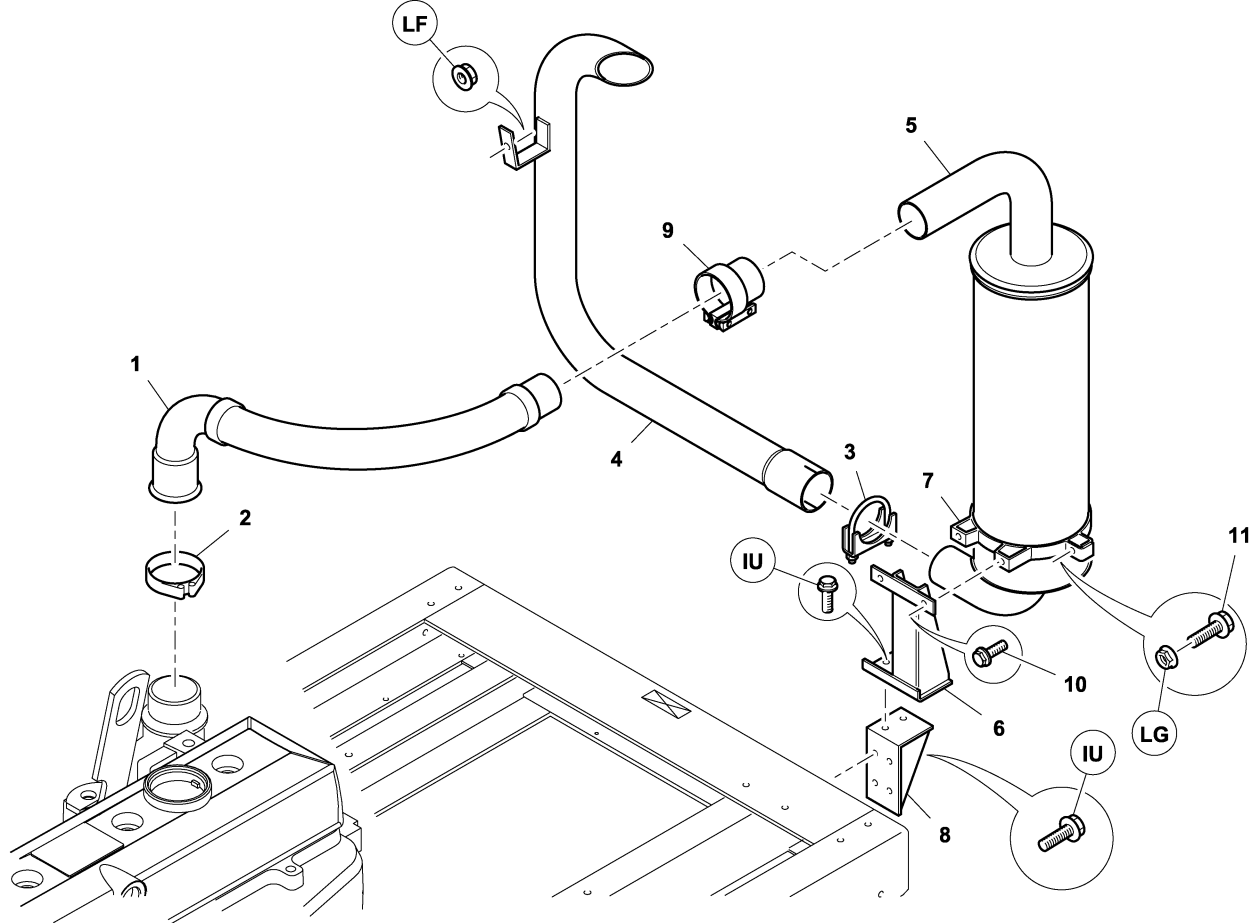


T2218
Revision 02
04/05

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1-5	89204721	1	Filter assembly	7	92117696	1	Clamp
2	89232474	1	Element, air filter	8	22275812	1	Hose
3	85433894	1	Bracket, support	9	92184787	1	Clamp
4	85433902	1	Cap, end	10	35314939	1	Indicator, air restriction
5	85433886	1	Valve, vacuator	11	92972140	2	Screw
6	22173181	1	Bracket				

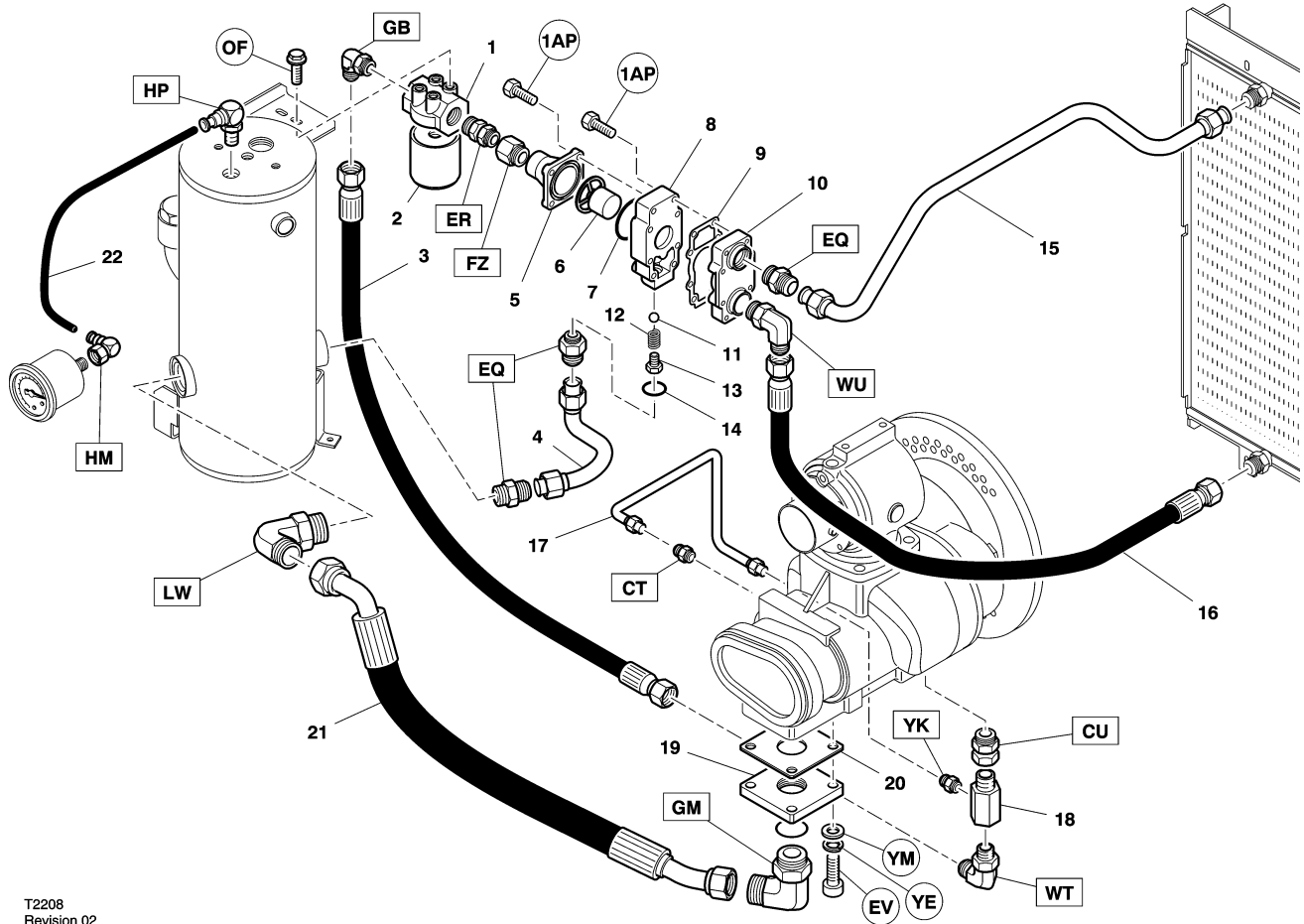
37

ENGINE EXHAUST SYSTEM



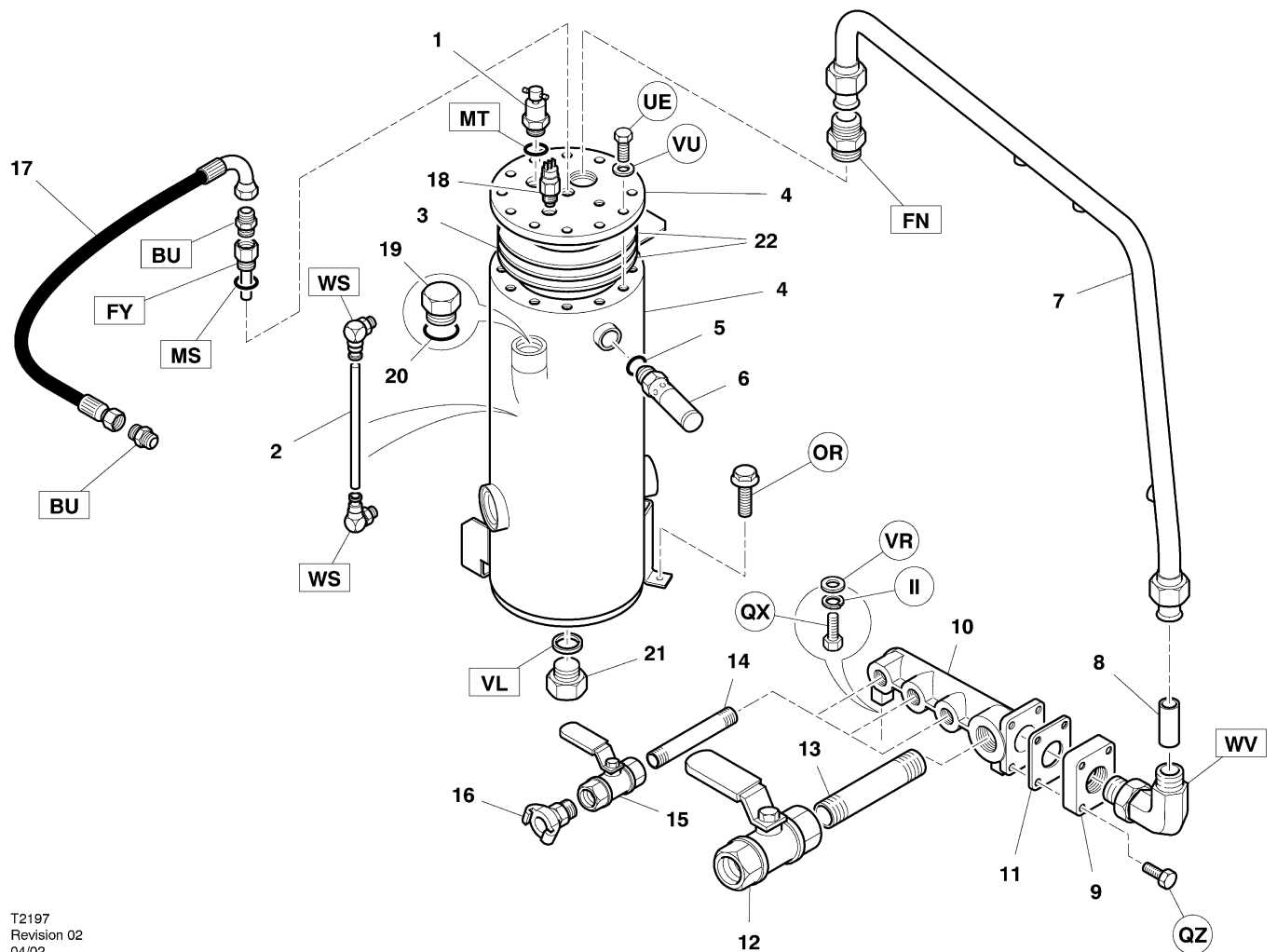
T2305
Revision 01
04/05

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22173421	1	Pipe	7	92879139	1	Clamp
2	36796845	1	Clamp	8	54660303	1	Bracket
3	92253079	1	Clamp	9	54715842	1	Clamp
4	54726922	1	Pipe	10	96704408	AR	Screw
5	22208078	1	Silencer	11	35271170	AR	Screw
6	54660287	1	Bracket				



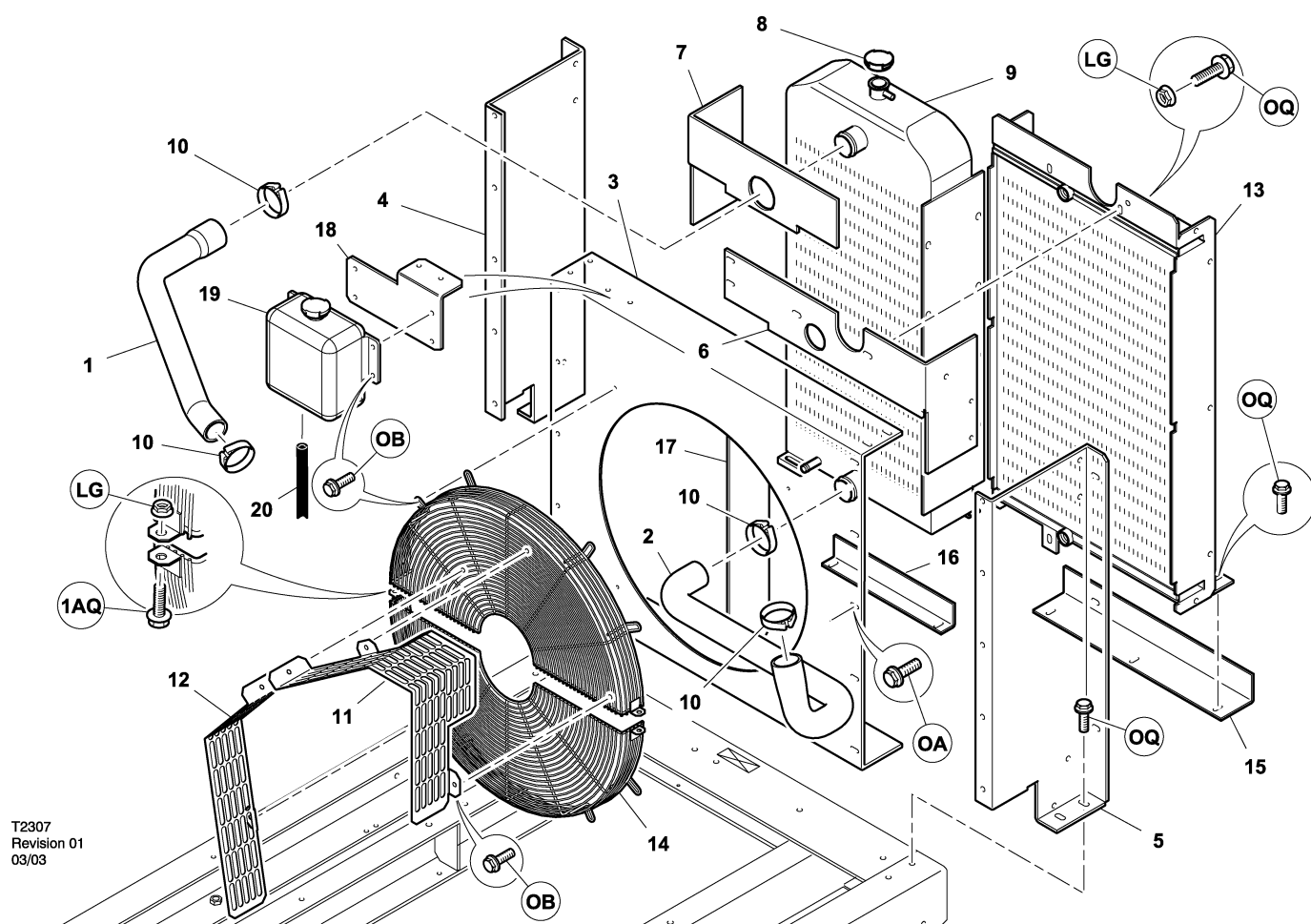
T2208
Revision 02
03/04

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1-2	92079755	1	Filter assembly	12	35379940	1	Spring
2	92118678	1	Element	13	36788164	1	Plug
3	35323864	1	Hose assembly	14	36788172	1	Seal
4	36923571	1	Tube assembly	15	22177273	1	Tube assembly
5-14	54414420	1	Valve, temperature bypass	16	35132877	1	Hose assembly
5	36876779	1	Cover	17	93481570	1	Tube assembly
6	36782019	1	Element, thermostatic valve	18	93481562	1	Manifold
7	95022307	1	Gasket	19	93481448	1	Adaptor
8	36876761	1	Housing	20	93481455	1	Gasket
9	35584242	1	Gasket	21	22259204	1	Hose assembly
10	36876753	1	Housing	22	92490358	AR	Tube (Nylon) 6mm
11	35288448	1	Ball				

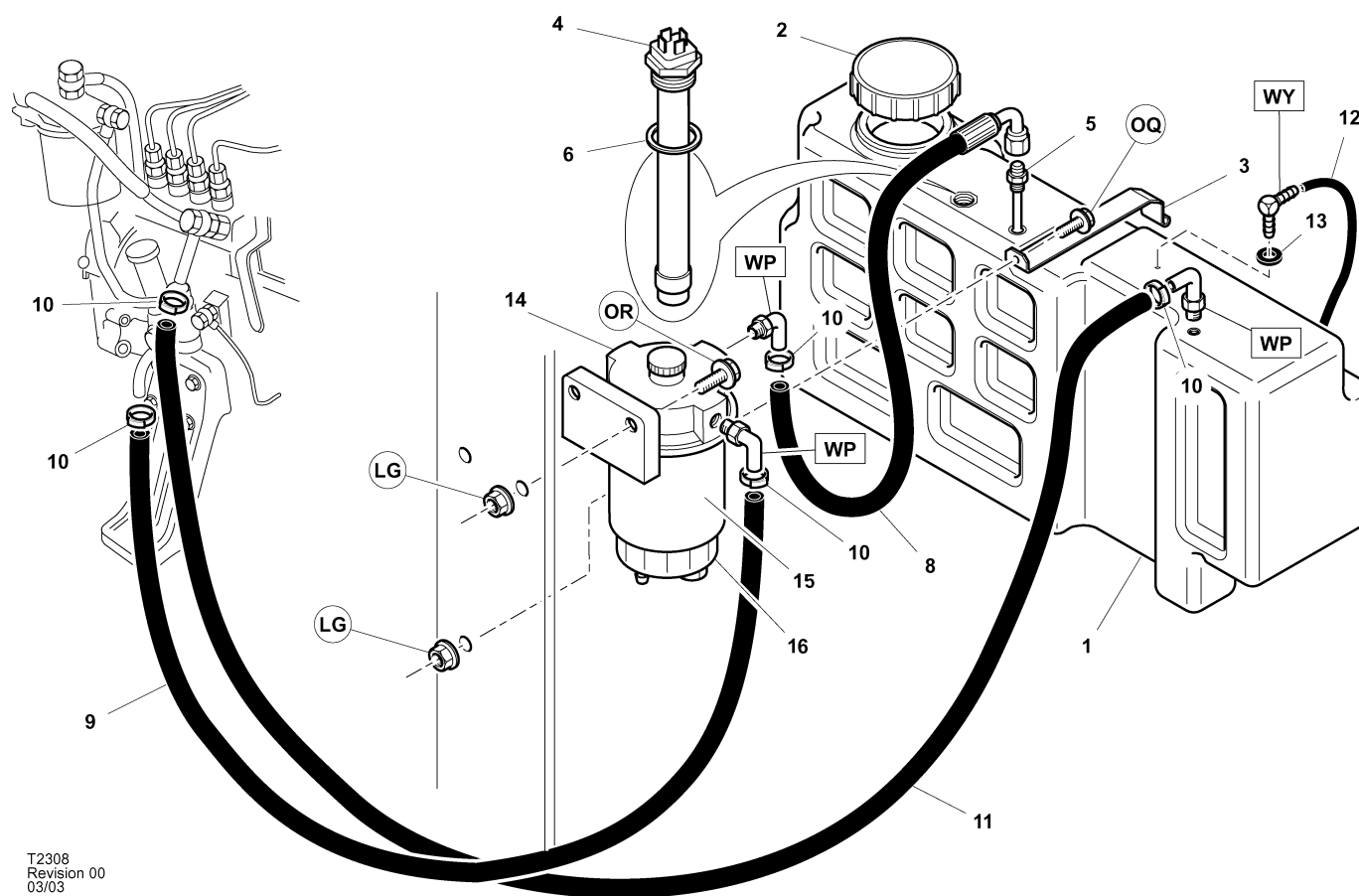


T2197
Revision 02
04/02

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	93181865	1	Valve, relief	9	54573191	1	Plate, adaptor
2	89284871	1	Tube	10	36710036	1	Manifold
3	54625942	1	Element	11	35294628	1	Gasket
4	54588009	1	Tank, separator (7/71)	12	92111228	1	Valve, service
	54588017	1	Tank, separator (12/56)	13	92961077	1	Nipple
5	92290162	1	Seal	14	54580279	3	Nipple
6	89259485	1	Valve, safety (7/71)	15	92294461	3	Valve, service
	89308191	1	Valve, safety (12/56)	16	92178524	3	Coupling
7	54525233	1	Tube assembly (7/71)	17	54739701	1	Hose assembly
	54570338	1	Tube assembly (12/56)	18	92762756	1	Switch, temperature
8	22454425	1	Orifice, sonic (7/71)	19	35579630	1	Plug
	22454417	1	Orifice, sonic (12/56)	20	35279942	1	'O' Ring
				21	93502128	1	Plug
				22	80022833	2	Gasket

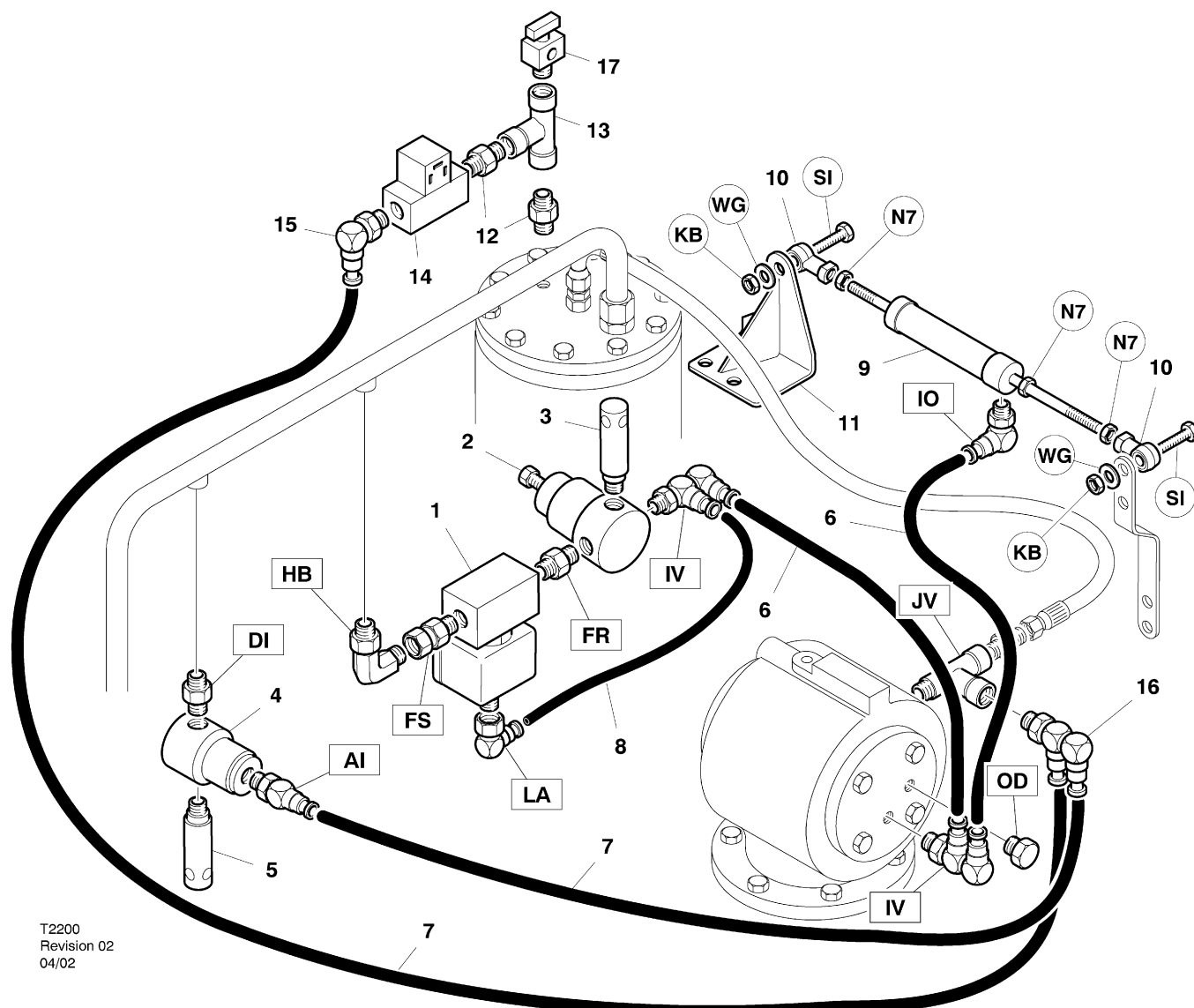


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	54404249	1	Hose	11	22175582	1	Guard
2	36891158	1	Hose	12	22175590	1	Guard
3	22173835	1	Shroud	13	54666326	1	Cooler, oil
4	54510011	1	Panel	14	22179600	1	Guard
5	54510029	1	Panel	15	54372842	1	Baffle
6	54509682	1	Panel	16	54372859	1	Baffle
7	54509690	1	Panel	17	54509856	1	Bracket
8	36769560	1	Cap, radiator	18	22180384	1	Bracket
9	36889772	1	Radiator	19	36884948	1	Tank, header
10	92253129	4	Clip, retaining	20	92111335	1	Hose



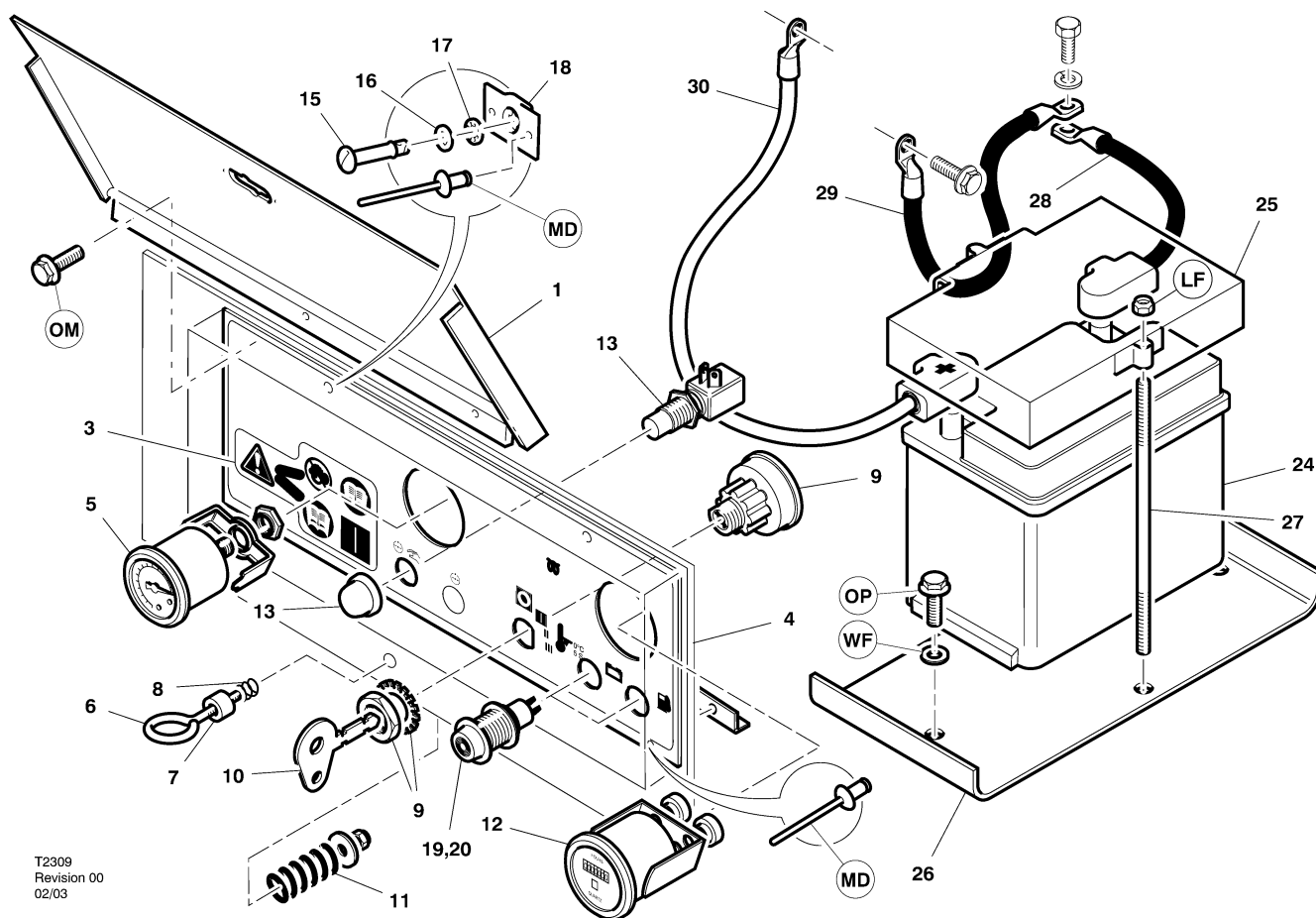
T2308
Revision 00
03/03

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1-2	54530191	1	Tank, fuel	10	92799485	5	Clip, retaining
2	89230759	1	Cap	11	54576624	1	Hose
3	22180558	1	Strap	12	35282292	1	Hose
4	54626999	1	Sensor	13	89257489	1	Grommet
5	54625942	1	Drop-tube	14-16	54468160	1	Filter assembly
6	85433340	1	Washer	14	54480512	1	Head
7	-			15	54468178	1	Element
8	54739719	1	Hose assembly	16	54480504	1	Bowl
9	54576624	1	Hose				

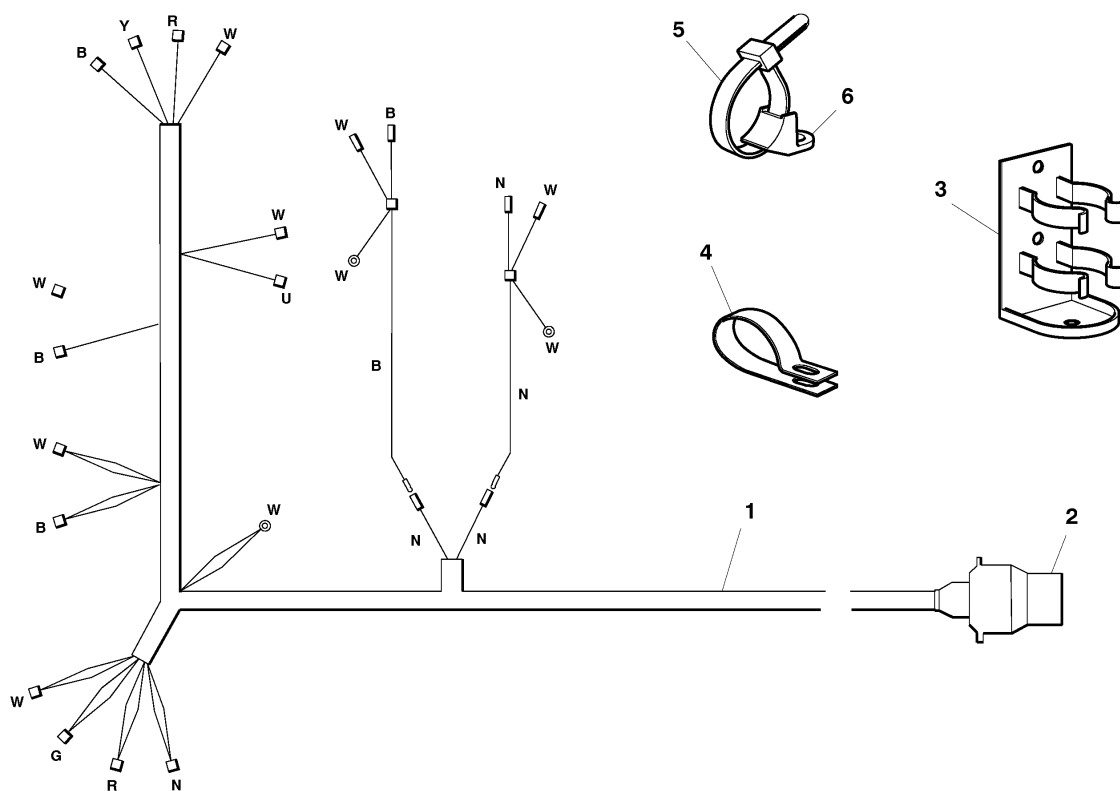


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	92793124	1	Valve, solenoid	9	35592435	1	Cylinder, pneumatic
2	35355106	1	Regulator (7/71)	10	35328467	2	Ball-joint
2	35359090	1	Regulator (12/56)	11	36877223	1	Bracket
3	92549195	1	Orifice, silencer	12	92005701	2	Nipple
4	54748363	1	Valve, blowdown	13	92354729	1	Tee
5	92549369	1	Orifice, silencer	14	88124714	1	Valve, solenoid
6	92799378	1,0m	Tube (Nylon) 8mm	15	54403266	1	Elbow
7	92490358	0,5m	Tube (Nylon) 6mm	16	92794262	1	Elbow
8	92799378	0,2m	Tube (Nylon) 8mm	17	93181865	1	Valve, relief
				*18	22056238	1	Harness

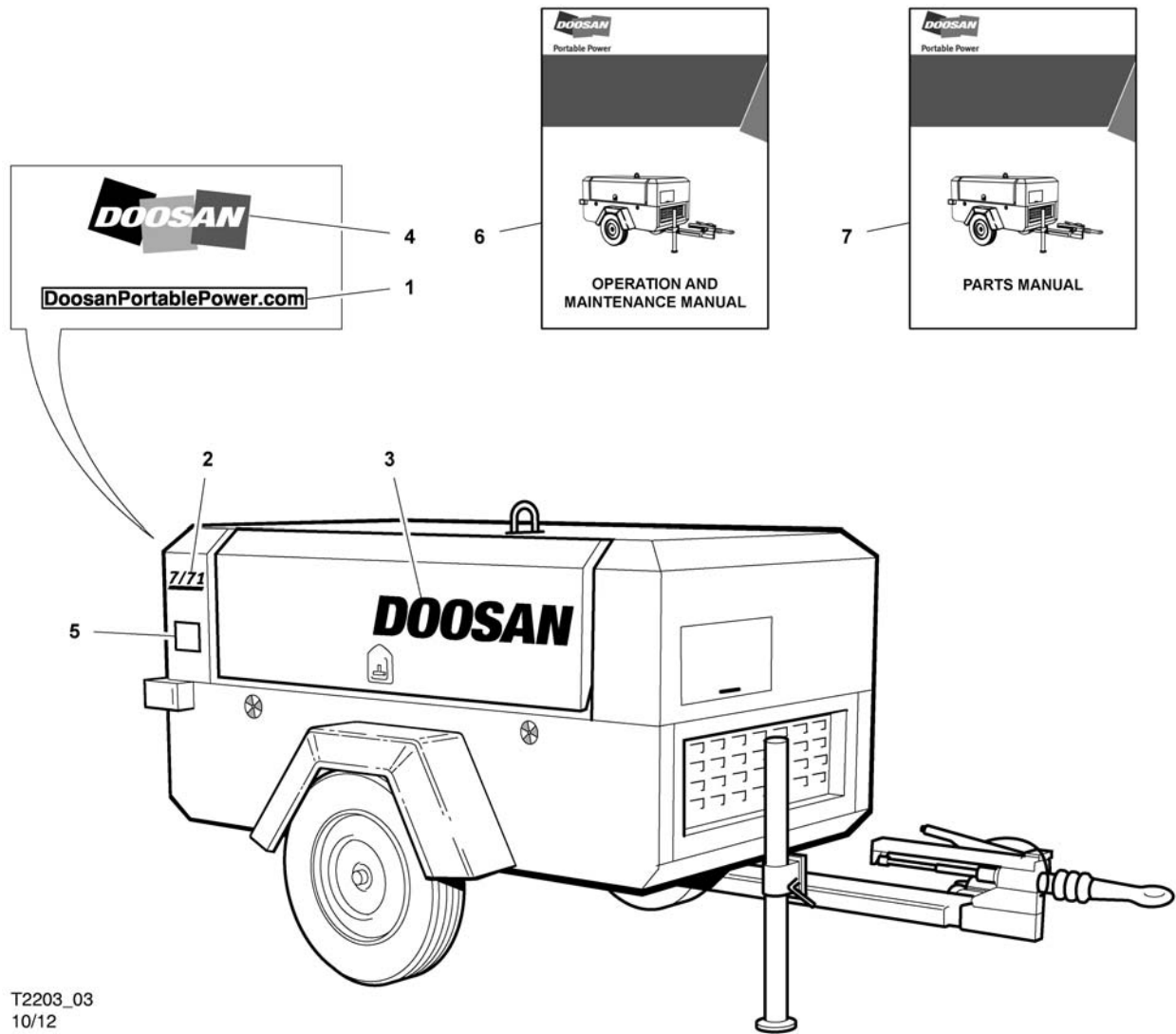
* Not illustrated



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	88091095	1	Door assembly	16	92042241	2	Washer
2	-			17	92659747	2	Washer
3	22184477	1	Decal, facia	18	88091996	2	Plate, retaining
4	22208086	1	Panel, instrument	19	93466381	2	Light
5	93531184	1	Gauge, pressure	20	-		
6	92790476	1	Eye	*21	89284558	1	Fuse
7	92799527	1	Spacer	*22	92076173	2	Relay
8	35376342	1	Spring	*23	92969914	6	Diode
9	92086719	1	Key-switch	24	22176655	1	Battery
10	92075530	1	Key	25	92869528	1	Cover, battery
11	92799840	1	Spring	26	54582325	1	Drip tray
12	92306901	1	Hourmeter	27	92776749	2	Stud
13	35255553	1	Button, start/run	28	93151520	1	Cable (+)
*14	22208003	1	Harness, main	29	93193191	1	Cable (-)
15	92659713	2	Stud	30	92789734	1	Cable, (-)

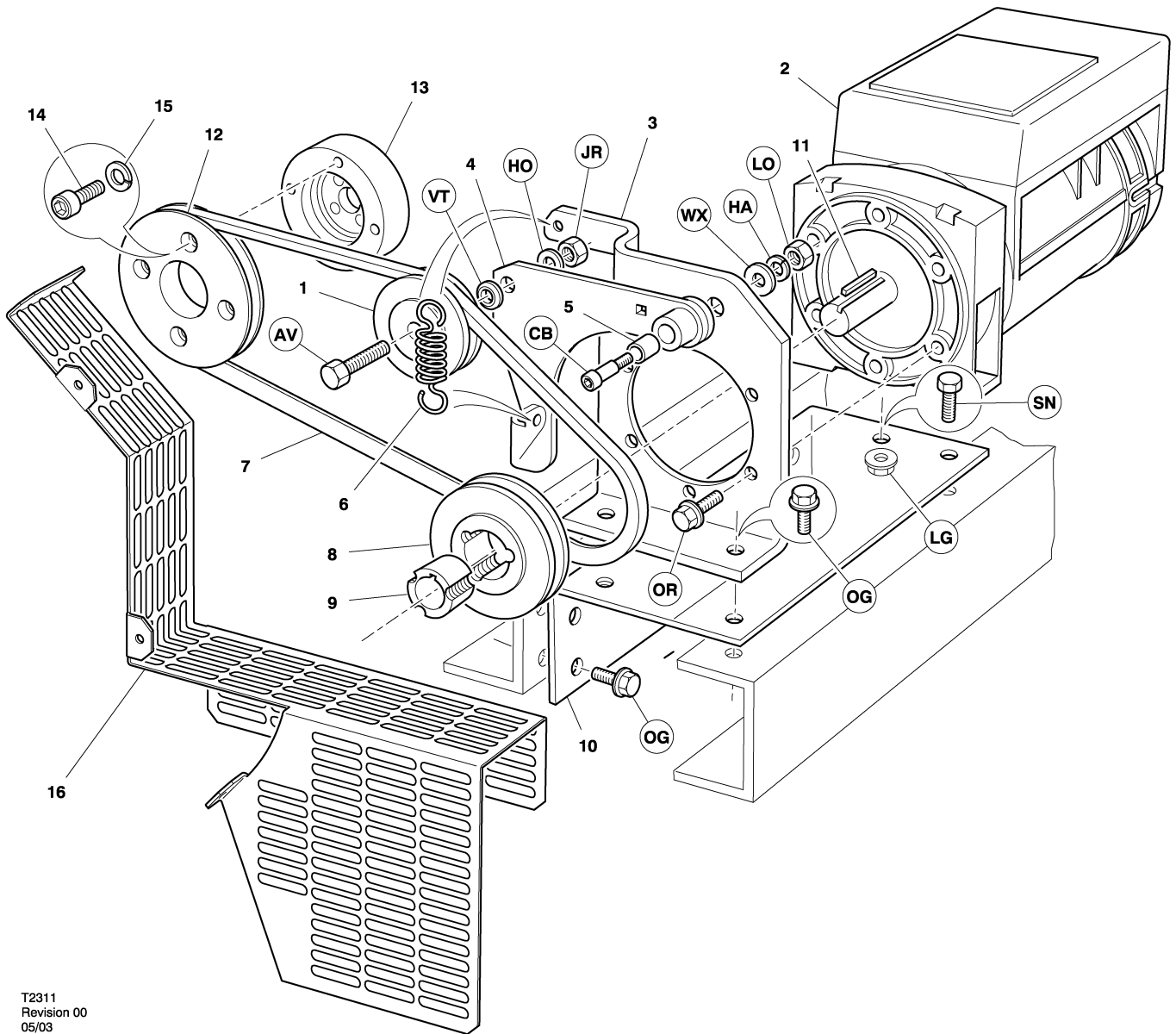


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	92905975	1	Harness				KEY
2	92912351	1	Plug				
3	92280817	1	Holder			B	Black
4	92253194	8	Clip, retaining			G	Green
5	92803808	6	Clip, retaining			N	Brown
6	92803790	6	Base			P	Purple
						R	Red
						U	Blue
						W	White
						Y	Yellow



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	46556137	1	Decal, black web site	6	22258685	1	Manual, Operation and Maintenance (PT, IT, ES)
2	46576205	2	Decal, model (7/71)	6	22258693	1	Manual, Operation and Maintenance (DK, SE, NO, FI)
2	46576206	2	Decal, model (12/56)	7	22258651	1	Manual, Parts catalogue (GB)
3	54660485	2	Decal, logotype	*8	93171882	1	KIT – INTERNAL DECALS
4	46573861	1	Decal, Doosan tri-colour				
5	22062335	1	Decal, sound power				
6	22258669	1	Manual, Operation and Maintenance (GB)				
6	22258677	1	Manual, Operation and Maintenance (FR, NL, DE)				

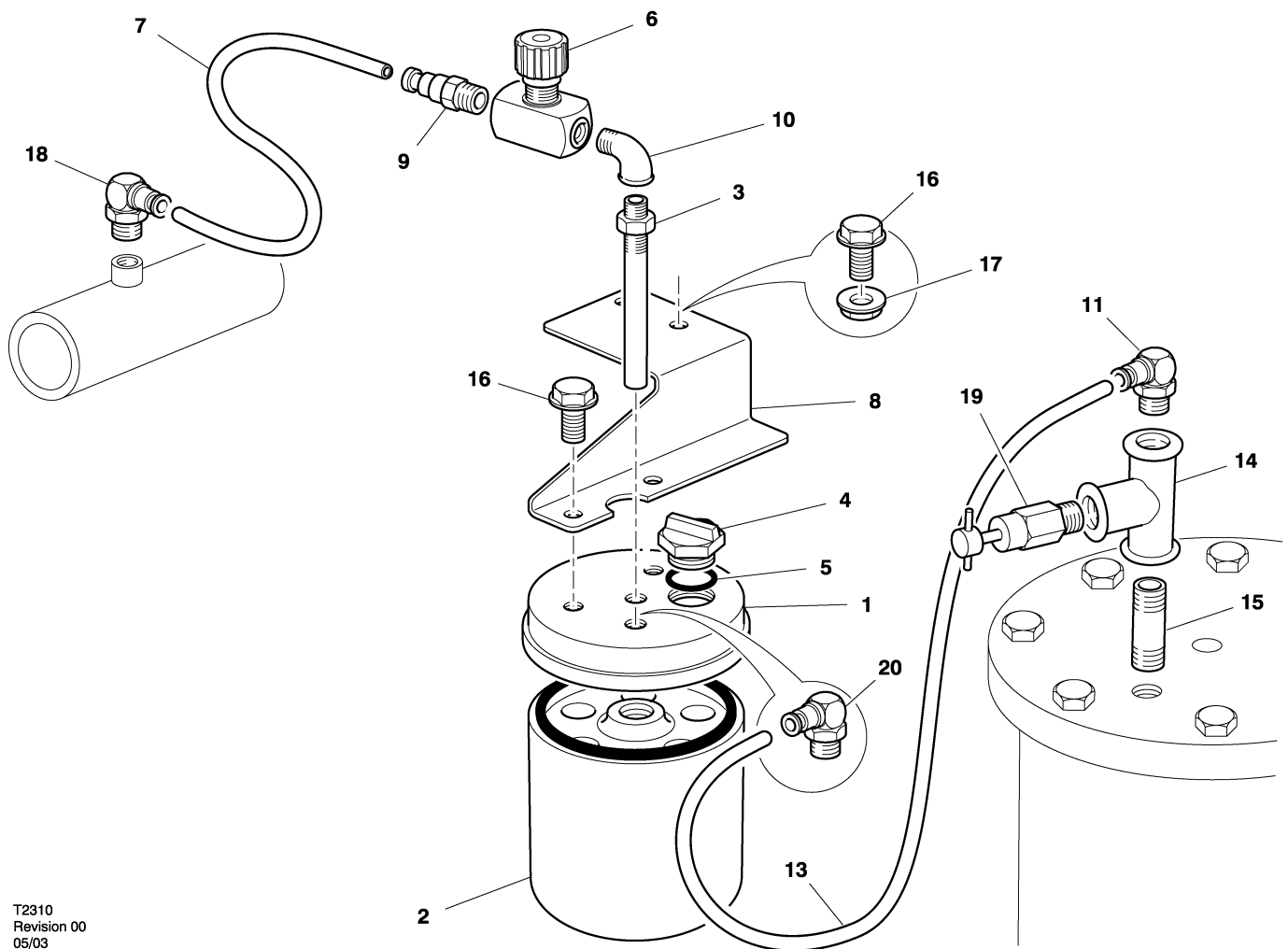
* Not illustrated



T2311
Revision 00
05/03

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	92690890	1	Pulley	11	35320688	1	Key
2	88123229	1	Generator 110/230V – 1 phase	12	22245880	1	Pulley
	89230494	1	Generator 400/230V – 3 phase	13	36895761	1	Spacer
3	54581152	1	Bracket	14	95055349	4	Screw
4	54581178	1	Lever	15	95750394	4	Washer
5	35320688	1	Bush	16	22257778	1	Guard
6	22401855	1	Spring	*17-19	92699412	1	Kit, earth spike
7	54621149	1	Belt, drive	*17	92699420	1	Earth spike
8	54603337	1	Pulley	*18	92699438	1	Cable, earth
9	88091889	1	Bush	*19	93181366	1	Stud Earth point
10	54621131	1	Bracket				* Not illustrated

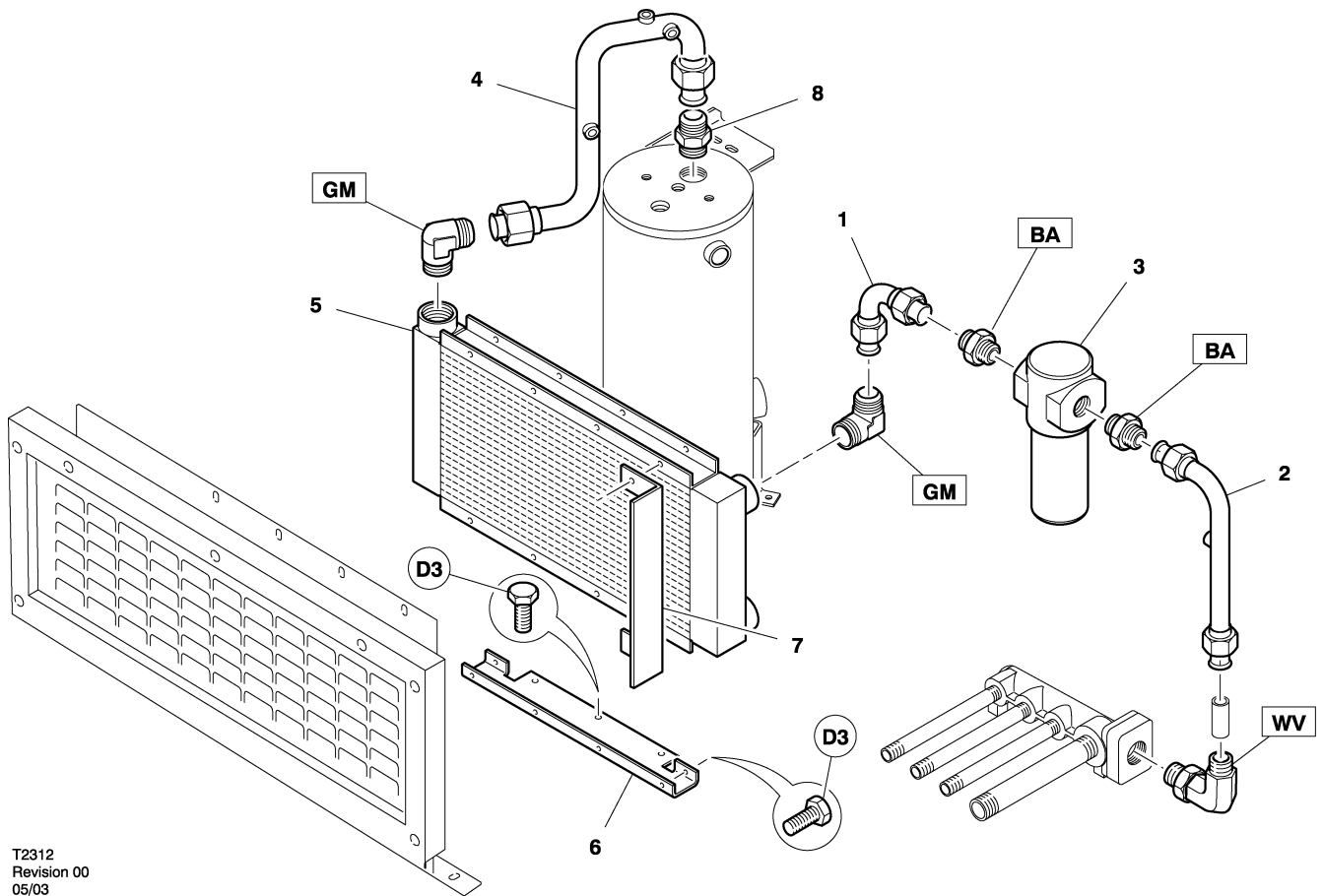
47 OPTIONS – Lubricator



T2310
Revision 00
05/03

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1-18		1	KIT-LUBRICATOR	*12	93163897	1	Decal (GB) (F) (D)
1	92919398	1	Head	13	92067982	AR	Tube (Nylon) 10mm
2	92919380	1	Housing	14	92354729	1	Tee
3	92911288	1	Tube	15	92005701	1	Nipple
4	92919810	1	Plug	16	92472638	4	Screw
5	92290162	1	Seal	17	92473594	2	Nut
6	92919554	1	Valve	18	54403209	1	Elbow
7	92490358	AR	Tube (Nylon) 6mm	19	92043017	1	Valve, relief
8	22259956	1	Bracket	20	54403191	1	Elbow
9	92793173	1	Adaptor				
10	92185016	1	Elbow				
11	92823913	1	Elbow				

* Not illustrated



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22223648	1	Tube assembly	5	22224422	1	Aftercooler
2	22224000	1	Tube assembly	6	54590815	1	Bracket
3	91112185	1	Separator, water	7	54685292	1	Baffle
4	54589932	1	Tube assembly	8	95371225	1	Adaptor

ccn	Qty.	Description	ccn	Qty.	Description
1-4	80024581	1 KIT – SERVICE Filter, fuel Filter,oil	4	54468178	1 Element, water separator
1	22206148	1 Element, oil filter (engine)	5	89232474	1 Element, air filter, Compressor
2	85474104	1 Element, fuel filter	6	54626452	1 Element, air filter, Engine
3	92118678	1 Element, oil filter (airend)	7	54751532	1 Element, air filter (safety)
4	54468178	1 Element, water separator			
1-7	80024599	1 KIT – 500 HOUR Filter	80024607	1	KIT – SERVICE 7/71
1	22206148	1 Element, oil filter (engine)			
2	85474104	1 Element, fuel filter	80023914	1	KIT – GASKET/'O' RING Compressor
3	92118678	1 Element, oil filter (airend)			

ccn			Quantité	Description	ccn			Quantité	Description
1-4	80024581	1		KIT – ENTRETIEN Filtre, carburant Filtre, huile	3	92118678	1		Elément, filtre à huile (compresseur)
1	22206148	1		Elément, filtre à huile (moteur)	4	54468178	1		Elément séparateur
2	85474104	1		Elément, filtre à carburant	5	89232474	1		Elément, filtre à air, Compresseur
3	92118678	1		Elément, filtre à huile (compresseur)	6	54626452	1		Elément, filtre à air, Moteur
4	54468178	1		Elément séparateur	7	54751532	1		Elément, filtre à air (sécurité)
1-7	80024599	1		KIT 500 HEURES Filtre	80024607	1			KIT – ENTRETIEN 7/71
1	22206148	1		Elément, filtre à huile (moteur)					
2	85474104	1		Elément, filtre à carburant	80023914	1			KIT – JOINTS/O-RING Compresseur

Code	Description	CCN	Code	Description	CCN	Code	Description	CCN
AN	Bolt M10 x 80	35295021	MD	Rivet 3 x 10mm	92368075	TI	Screw M16 x 50	92398239
AV	Bolt M12 x 65	92148014	NU	Screw M6 x 15	92441450	UD	Screw No.6 x 5/8"	92879337
BH	Bolt	92546613	OA	Screw M6 x 12	92368687	UE	Screw M12 x 40	92304443
CB	Bolt 5/8" UNC x 1"	95664314	OB	Screw M6 x 20	35300771	UL	Screw M4 X 20	92659432
DL	Screw M10 x 16	35321595	OD	Screw M8 x 12	95279025	VE	Washer 1/2"	95081667
EV	Capscrew, socket head M16 x 30	92750454	OF	Screw M10 x 20	92472638	VR	Washer M10	92329283
GQ	Locknut M16	92311695	OG	Screw M10 x 25	92473586	VT	Washer M12	92061506
HA	Lockwasher 1/2"	95081824	OI	Screw M12 x 20	92176114	VU	Washer M12	92304625
HO	Lockwasher M12	92304682	OM	Screw M6 x 12	92184811	WC	Washer M4	92340439
HX	Lockwasher M4	92340447	ON	Screw M6 x 16	92096015	WD	Washer M5	92304583
HZ	Lockwasher M5	92304641	OP	Screw M6 x 25	92179043	WF	Washer M6	92304591
ID	Lockwasher M8	92304666	OQ	Screw M8 x 20	92398130	WG	Washer M6	92341981
II	Lockwasher M10	92304674	OR	Screw M8 x 25	92101112	WX	Washer	35294339
IU	Screw M8 x 30	92708999	QX	Setscrew M10 x 20	92304393	XR	Washer M16	92757632
JR	Nut M12	90103854	QZ	Setscrew M10 x 25	92304401	YE	Washer M16	93502300
JU	Nut M16	90103839	RE	Setscrew M12 x 25	92304435	YM	Washer M16	93545580
JZ	Nut M4	92340454	RL	Setscrew M12 x 80	92045913	ZU	Stud M16 x 55	92040294
KB	Nut M6	92304500	SI	Setscrew M6 x 30	92178896	A7	Screw M4 x 20	92879287
KR	Locknut M10	92304567	SL	Setscrew M8 x 16	92304336	D3	Setscrew	92972140
KS	Locknut M12	92304575	SN	Setscrew M8 x 25	90141078	N4	Nut M16	92975689
LF	Nut M6	92398106	SO	Setscrew M8 x 30	92304351	N7	Nut	95076774
LG	Nut M8	92398114	SQ	Setscrew M8 x 40	92304377	Z3	Washer	92058429
LO	Nut 1/2" UNC	95077798	SY	Setscrew M5 x 20	92340058	1AP	Bolt	36786382
MC	Rivet 3/16" x 1/2"	92271915	SW	Screw M4 x 16	92050376	1AQ	Screw	92391830

Code	Description	CCN	Code	Description	CCN	Code	Description	CCN
E8	Bolt	88081203	V5	Bolt	88081476	1AB	Nut	88081021
E9	Washer	88082466	V6	Bolt	88080098	1AC	Bolt	88080304
F2	Bolt M6 X 20 Flange	49840663	V7	Bolt	88080122	1AD	Bolt	88080288
H7	Bolt M8 X 20 FLANGE	88080049	V8	Bolt	88081344	1AE	Nut	54519087
K4	Bolt M6 X 12 FLANGE	88080023	W2	Stud	88081153	1AF	Nut	88080346
K5	Bolt M8 X 30 FLANGE	88080064	W3	Stud	88082276	1AG	Nut	88082375
L8	Nut	88080312	W4	Stud	88080858	1AH	Nut	54519038
M3	Nut M8	88082383	W9	Stud	49840622	1AJ	Stud	49849581
M5	Nut	88080320	V9	Bolt	88082615	1AK	Stud	49840226
M8	Nut	88082367	X2	Bolt	88080460	1AL	Stud	49840218
N6	Nut	88080999	X3	Bolt	88080148	1AM	Stud	49840200
N8	Nut	88082409	X4	Bolt	88080155	1AN	Stud	49840135
N9	Nut	88080460	X5	Bolt	88080197	1BA	Bolt	88080130
O2	Bolt	88080718	X6	Bolt	88080429	1BB	Bolt	54488283
O3	Bolt	88080437	X7	Bolt	88080908	1BC	Bolt	54488291
O4	Bolt	88080452	X8	Bolt	88081377	1BD	Bolt	54519004
O7	Bolt	88080213	X9	Bolt	88081351	1BE	Bolt M8 X 1.25	49840382
O8	Bolt	88080205	YN	Nut	49840234	1BF	Bolt	88082219
O9	Bolt	88080254	YQ	Nut	88082367	1BG	Bolt	88080296
P6	Washer	88082433	YR	Bolt	88082250	1BH	Bolt	88080528
P8	Washer	88082441	YS	Stud	88082268	1BJ	Bolt	88080221
P9	Washer	88080619	YT	Bolt	88080338	1BK	Bolt	88080171
Q5	Screw	49808389	YV	Screw	88082243	1BL	Bolt	49840671
Q6	Screw	49807902	YY	Washer	88082508	1BM	Bolt	49840580
S6	Bolt	88082672	YW	Nut	88081054	1BN	Bolt	88080221
U4	Bolt	88080262	YX	Washer	92304633	1BO	Bolt	49840465
U5	Bolt	88080270	YZ	Bolt	88081989	1BQ	Bolt	49840176
U6	Bolt	88080072	XE	Washer	95094298	1BR	Bolt	88080163
U7	Bolt	88082730	Z2	Washer	88082482	1BS	Bolt	88080189
U8	Bolt M8 – 1.25 X 20 FLANGE	88080106	Z4	Washer	88082433	1BT	Bolt	88080239
V2	Bolt	88081393	Z7	Washer	88080478	1BU	Stud	88082292
V4	Bolt	88080080	Z8	Washer	88082474	1BV	Nut	88082417
			Z9	Washer	88082490	1CA	Washer	88082441
			ZW	Stud	88082623	1CB	Washer	49840267
			ZX	Bolt	88080114	1CC	Washer	88082458
			ZY	Bolt	88080056	1CY	Bolt	88080049
			ZZ	Bolt	88080247	1DQ	Screw	54734611
			1AA	Bolt	88080031			

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CT	Adaptor	88144266
CU	Adaptor	93481554
DI	Connector	92005701
EQ	Connector	95938148
ER	Connector	92079326
FX	Connector	96739693
FY	Connector	54629340
FN	Connector	35279785
FR	Connector	89253991

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FT	Connector	92118785
FU	Connector	95644001
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HB	Elbow	92123207
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TC	Bush, Reducing	92252725
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WS	Elbow	54403191
WT	Elbow	35301506
WU	Elbow	35291384
WV	Elbow	35279777
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YK	Connector	92176916

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