



Doosan Infracore
Portable Power



PARTS MANUAL

COMPRESSOR MODELS

HP935WCU
XP1050WCU

CODE:

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Book: 46497798 (3/09) Rev A
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Parts Ordering

GENERAL

This publication, which contains an illustrated parts breakdown, has been prepared as an aid in locating those parts which may be required in the maintenance of the unit. Always insist on genuine Ingersoll Rand branded parts for your unit.

Doosan Infracore Portable Power can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.

Portable Power service facilities and Ingersoll Rand parts are available worldwide. Consult local yellow pages or visit: www.doosanportablepower.com.

Special order parts may not be included in this manual. Contact the Portable Power Parts Department with the unit serial number for assistance with these special parts.

Description

The illustrated parts breakdown illustrates and lists the various assemblies, subassemblies and detailed parts which make up this particular machine. This covers the standard models and the more popular options that are available.

In referring to the rear, the front or to either side of the unit, always consider the drawbar end of the unit as the front.

Standing at the rear of the unit facing the drawbar (front) will determine the right and left sides.

Fasteners

Both SAE/inch and ISO/metric hardware have been used in the design and assembly of these units. In the disassembly and reassembly of parts, extreme care must be taken to avoid damaging threads by the use of wrong fasteners.

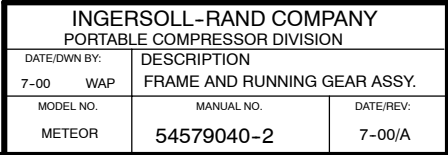
How To Order

Always specify the model and serial number of the unit.

Specify the part number and description.



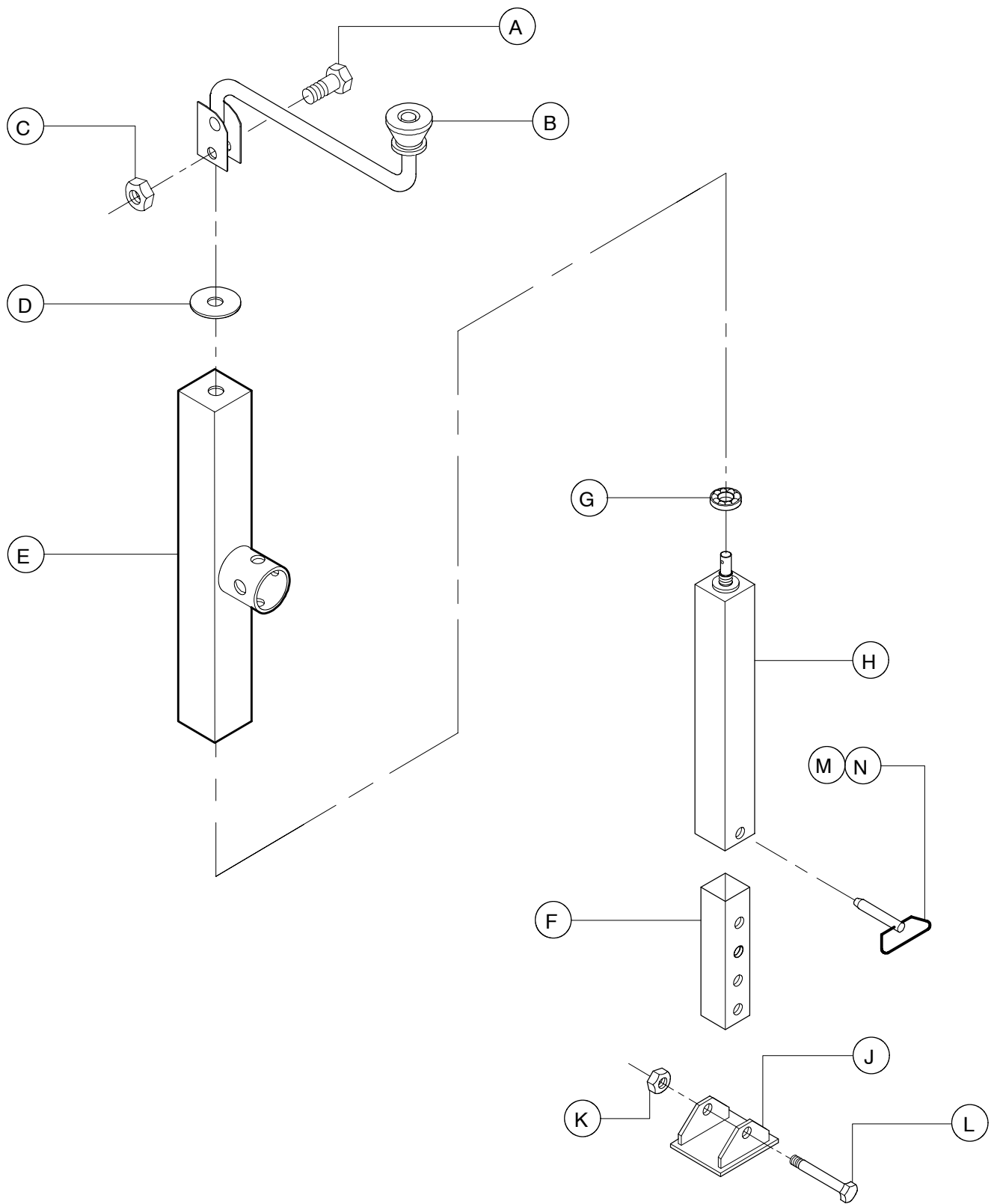
COMPRESSOR PARTS



(A)	36870111	JACK
(B)	35609544	PIN
(C)	35610377	CHAIN
(D)	35369800	COUPLING
(E)	36734879	ACTUATOR , BRAKE
(F)	35605187	EYE , PINTLE
(G)	35376094	SCREW (2 REQD)
(H)	96700885	NUT (4 REQD)
(J)	35272558	SCREW (6 REQD)
(K)	35356526	NUT , LOCK (6 REQD)
(L)	36893725	DRAWBAR
(M)	36763670	SCREW (8 REQD)
(N)	36042893	TIRE & WHEEL ASSY.
(P)	36894061	TIRE
(Q)	36882785	WHEEL
(R)	35148204	STEM , VALVE
(S)	35385434	KIT , EQUALIZER
(T)	36891794	FRONT AXLE ASSEMBLY
(U)	36891786	REAR AXLE ASSEMBLY
(V)	36892701	FRAME
(W)	35304666	STEP
(X)	95922910	NUT (4 REQD)
(Y)	35326958	HANGER , FRONT
(Z)	36895225	HANGER , CENTER
(A1)	35326966	HANGER , REAR
(A2)	36877793	SCREW (12 REQD)
(A3)	35304047	NUT (12 REQD)
(A4)	36893733	LIFTING BAIL
(A5)	36763670	SCREW (4 REQD)
(A6)	35297340	NUT (4 REQD)
(A7)	95935003	WASHER (12 REQD)
(A8)	36895225	EQUALIZER (2 REQD)
(A9)	95935011	WASHER

FAST TRACK RUNNING GEAR

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION FRAME AND RUNNING GEAR ASSY.	
MODEL NO. METEOR	MANUAL NO. 54579040-3	DATE/REV: 7-00/A

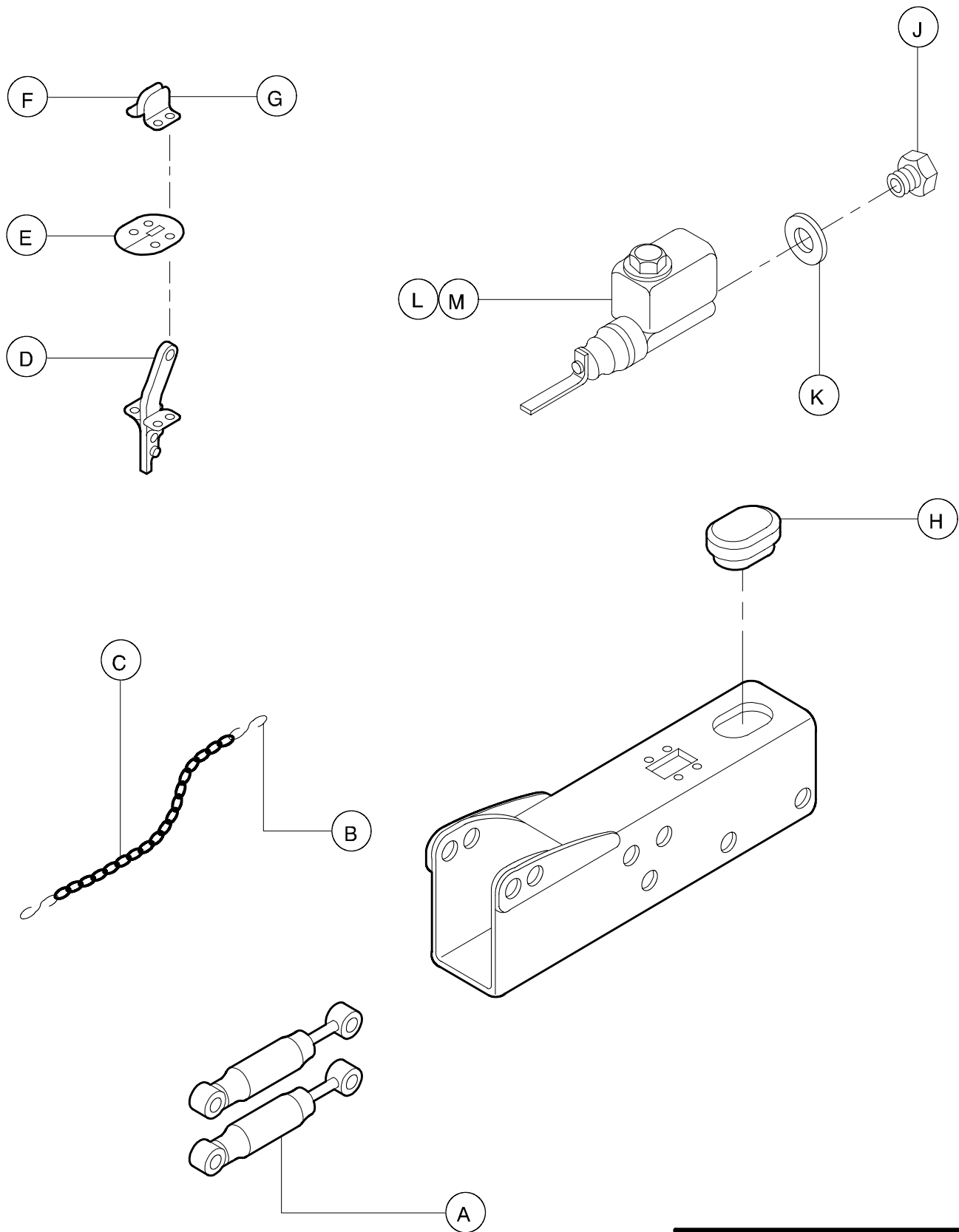


INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION JACK ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-6	DATE/REV: 7-00/A

(A)	95935235	BOLT
(B)	36870061	CRANK ASSEMBLY
(C)	95923314	NUT , LOCK
(D)	95935011	WASHER
(E)	36870129	TUBE , OUTER
(F)	36870087	DROP LEG & SLEEVE
(G)	36870079	BEARING , THRUST
(H)	36870053	TUBE , INNER
(J)	36870145	BASE
(K)	35336700	NUT , LOCK
(L)	95954087	BOLT
(M)	36870095	PIN , PULL
(N)	36870103	CLIP

36870111 ——— JACK ASSEMBLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION JACK ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-7	DATE/REV: 7-00/A

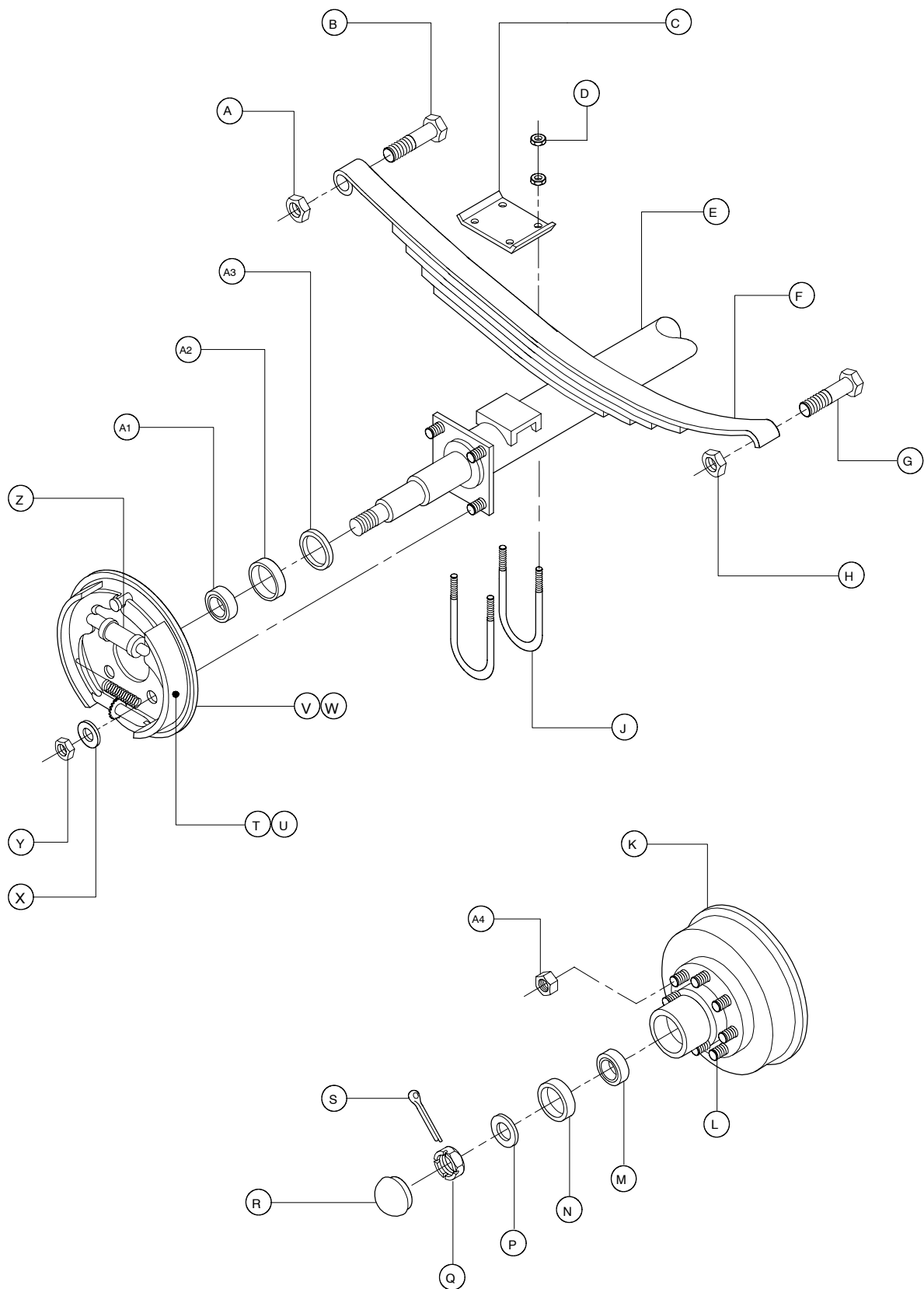


INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION BRAKE ACTUATOR ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-8	DATE/REV: 7-00/A

(A)	35373026	DAMPER
(B)	35373083	S-HOOK
(C)	35373091	CHAIN
(D)	35373042	LEVER ASSEMBLY
(E)	35373059	SEAL , WEATHER
(F)	35373067	LOCK , R.H.
(G)	35373075	LOCK , L.H.
(H)	35373034	COVER
(J)	35373109	CONNECTOR
(K)	35373125	GASKET
(L)	35373117	MASTER CYLINDER
(M)	35376433	REPAIR KIT

36734879 – ACTUATOR ASSEMBLY

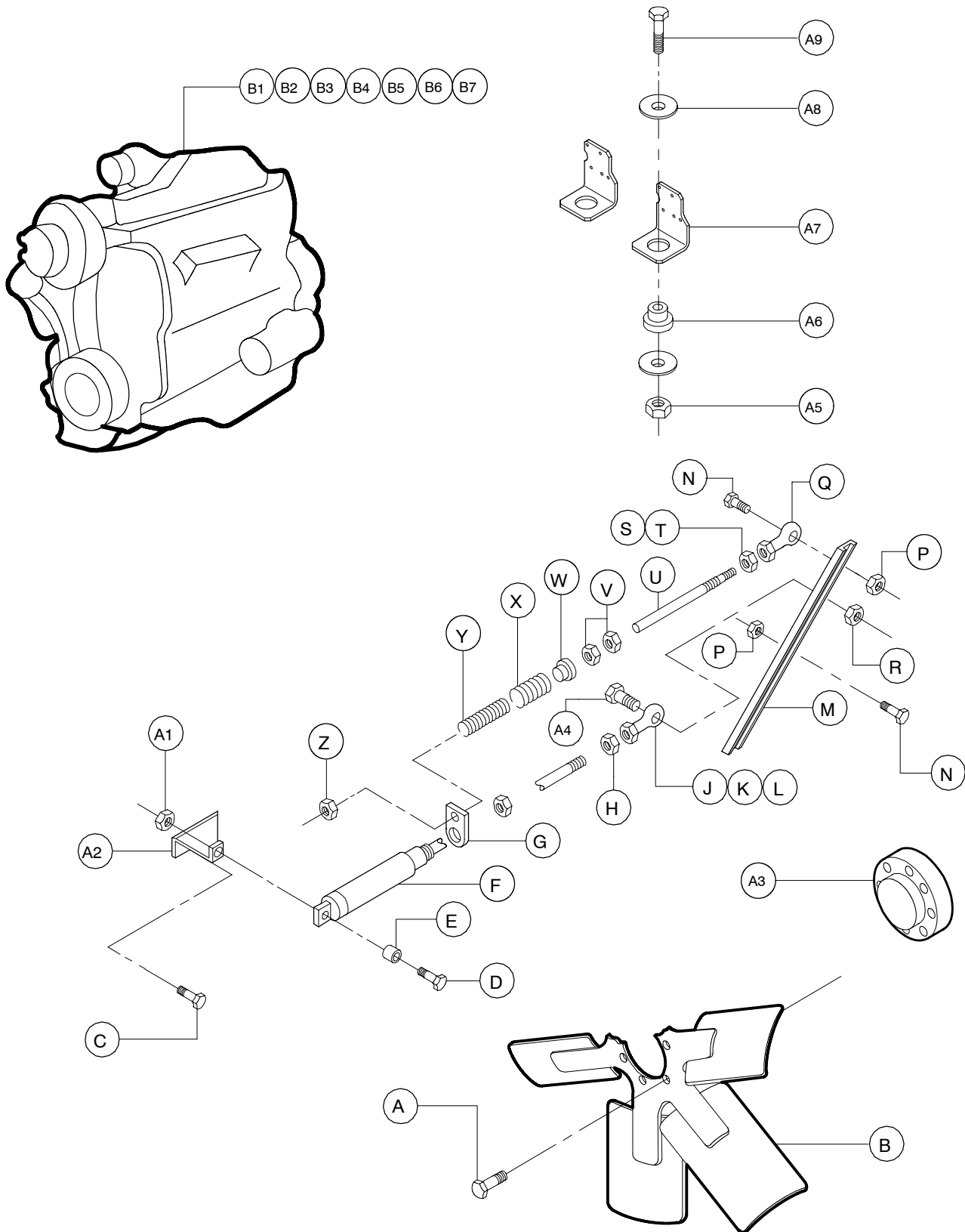
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION BRAKE ACTUATOR ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-9	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION RUNNING GEAR (FAST TRACK)	
MODEL NO. METEOR	MANUAL NO. 54579040-10	DATE/REV: 7-00/A

(A)	35315357	NUT	(Q)	35315217	NUT
(B)	35315340	BOLT	(R)	35379395	CAP , GREASE
(C)	35359389	PLATE , TIE		35379387	CAP , E-Z LUBE
(D)	35359397	NUT (32 REQD)	(S)	35315225	PIN , COTTER
(E)	36891794	FRONT AXLE ASSEMBLY	(T)	35359413	SHOE , FRONT
	36891786	REAR AXLE ASSEMBLY	(U)	35359421	SHOE , REAR
(F)	35385392	SPRING	(V)	36895241	L.H. BRAKE ASSEMBLY
(G)	35315365	BOLT	(W)	36895258	R.H. BRAKE ASSEMBLY
(H)	35315373	NUT	(X)	35356864	WASHER (5 REQD)
(J)	35356922	U-BOLT (2 REQD)	(Y)	35356872	NUT (4 REQD)
(K)	35385236	HUB	(Z)	35359405	KIT , WHEEL CYLINDER
(L)	35385244	STUD (12 REQD)	(A1)	35316876	BEARING , INNER
(M)	35385293	BEARING , OUTER	(A2)	35316884	CUP , INNER
(N)	35385277	CUP , OUTER	(A3)	35316868	SEAL , GREASE
(P)	35356914	WASHER	(A4)	35315274	NUT (12 REQD)

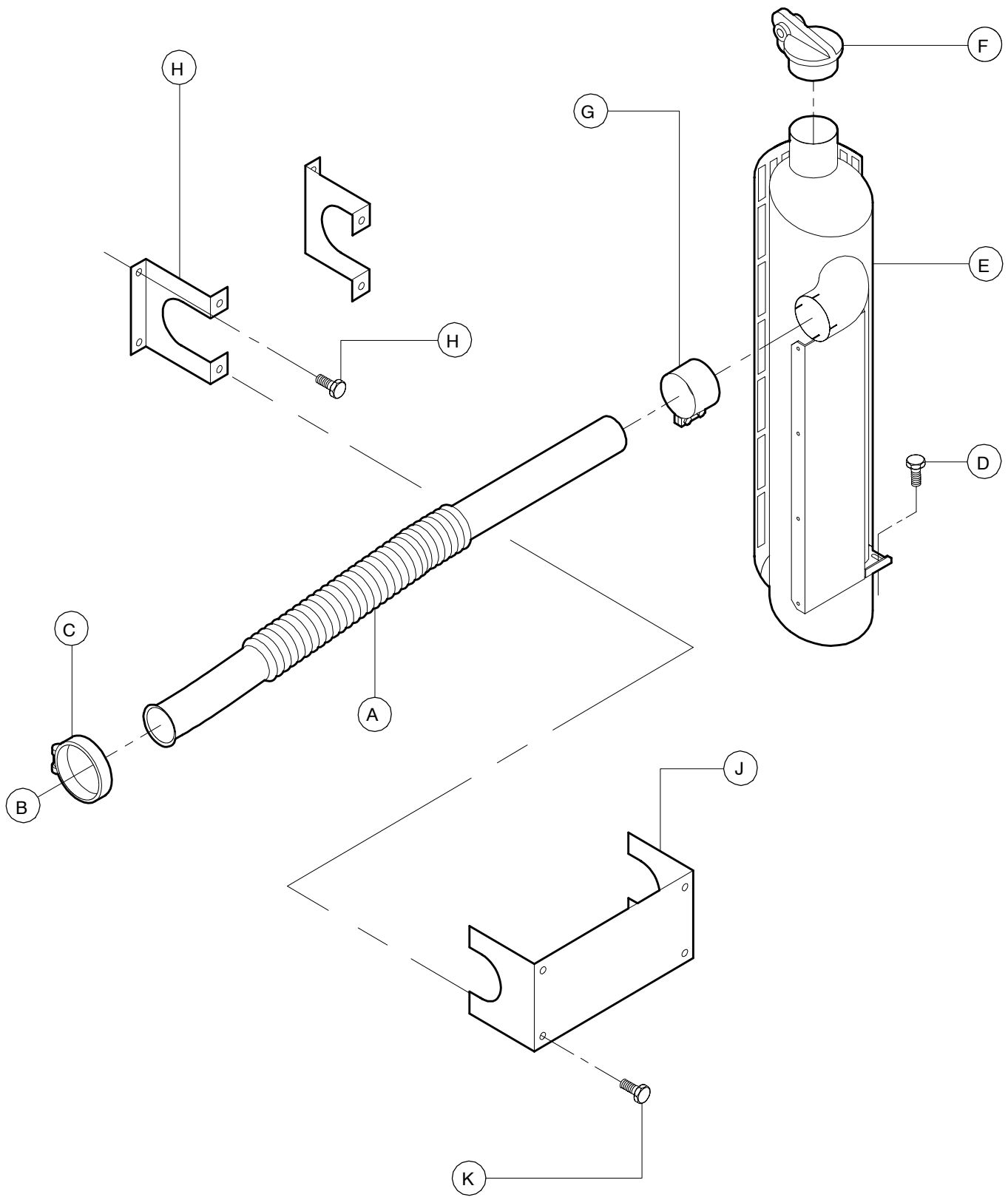
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION RUNNING GEAR (FAST TRACK)	
MODEL NO. METEOR	MANUAL NO. 54579040-11	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	ENGINE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-16	7-00/A

(A)	36893709	FAN , 44 INCH	(W)	35322437	MOUNT
(B)	36877793	SCREW	(X)	35322411	SPRING
(C)	36761476	SCREW	(Y)	35329721	SPRING
(D)	95326609	SCREW	(Z)	35324664	COLLAR
(E)	35288885	BUSHING	(A1)	95923314	NUT
(F)	35594225	CYLINDER	(A2)	35855089	BRACKET
(G)	35322445	GUIDE	(A3)	SPACER	
(H)	95923108	NUT	(A4)	35145242	SCREW
(J)	35300532	BEARING	(A5)	35297340	NUT
(K)	95245288	NUT	(A6)	35273812	MOUNT , RUBBER
(L)	35322452	BUSHING	(A7)	36894012	BRACKET , ENGINE
(M)	35601475	LEVER	(A8)	35273937	WASHER
(N)	35144492	NUT	(A9)	96700919	SCREW
(P)	35144492	NUT	(B1)	36893519	ENGINE , M11-335
(Q)	35322635	JOINT , BALL	(B2)	23020407	ELEMENT , ENG. LUBE
(R)	35145242	SCREW	(B3)	35357268	FILTER , FUEL
(S)	95043196	WASHER	(B4)	36896314	FILTER , WATER
(T)	95076741	NUT	(B5)	95930301	BUSHING (ABOVE STARTER)
(U)	35322429	ROD	(B6)	19A7J19Z1	NIPPLE
(V)	95098356	NUT	(B7)	95930301	BUSHING

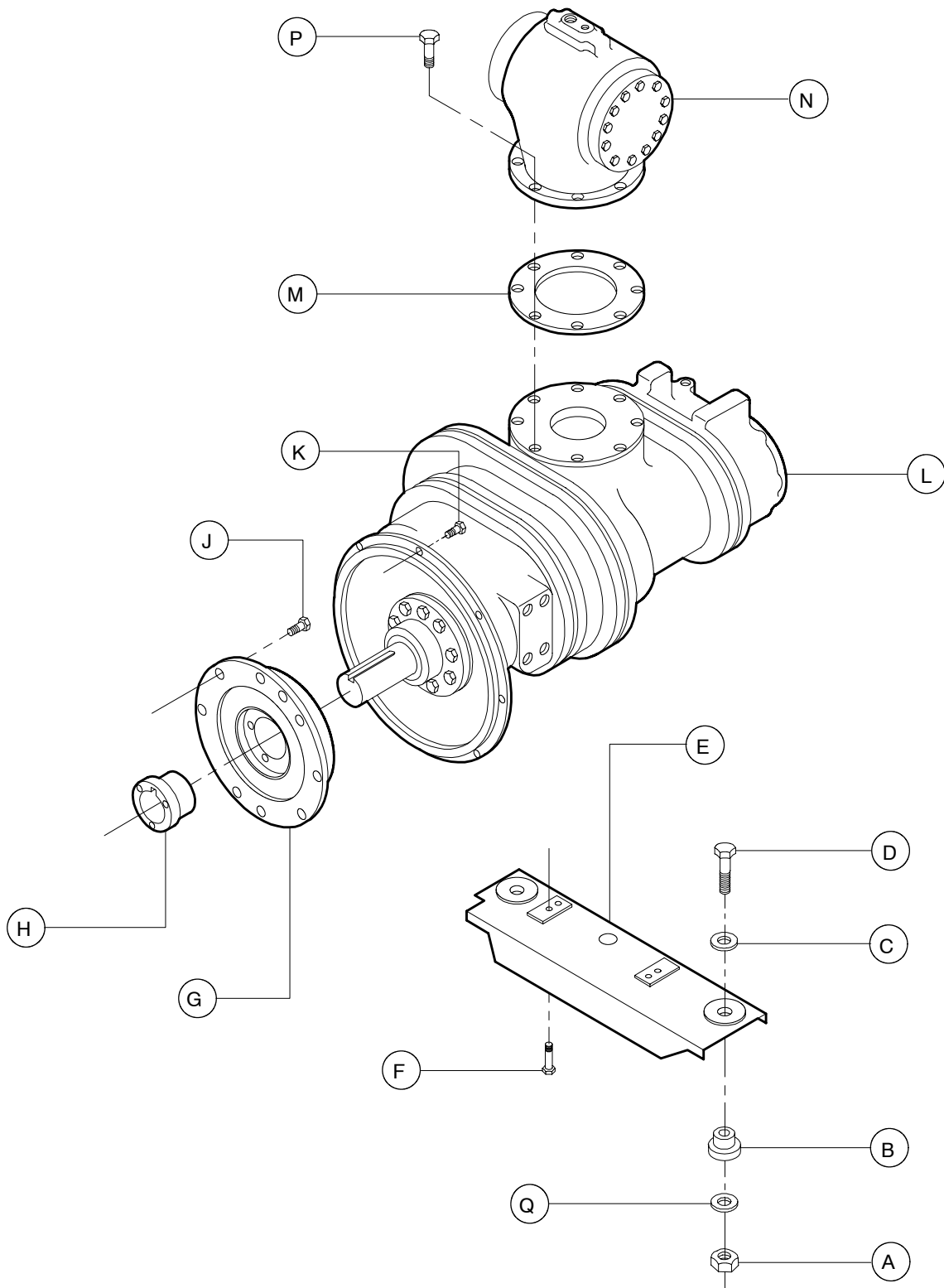
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION ENGINE COMPLETE	
MODEL NO. METEOR	MANUAL NO. 54579040-17	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION EXHAUST COMPLETE	
MODEL NO. METEOR	MANUAL NO. 54579040-18	DATE/REV: 7-00/A

(A)	36893717	TUBE , EXHAUST FLEX	
(B)	TO ENGINE TURBO		
(C)	35602796	CLAMP , V-BAND	
(D)	35279025	SCREW	(5 REQD)
(E)	36893675	MUFFLER	
(F)	35857036	CAP , RAIN	
(G)	35127653	SEALCLAMP	
(H)	36897783	SUPPORT , EXHAUST TUBE	
(J)	36897791	COVER	
(K)	35279023	SCREW	(8 REQD)

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION EXHAUST COMPLETE	
MODEL NO. METEOR	MANUAL NO. 54579040-19	DATE/REV: 7-00/A

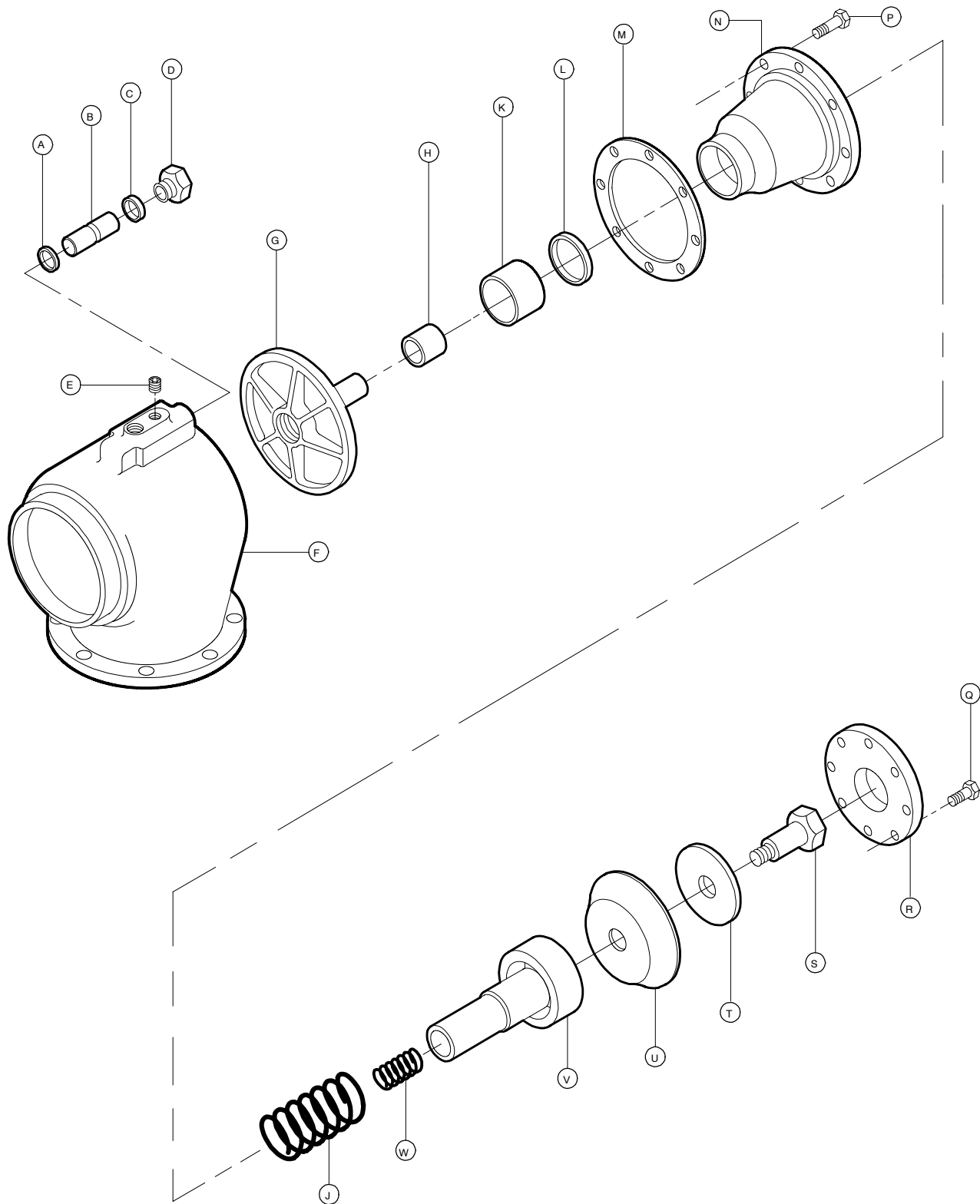


INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION AIREND COMPLETE	
MODEL NO. METEOR	MANUAL NO. 54579040-20	DATE/REV: 7-00/A

(A)	95923363	NUT	(2 REQD)
(B)	35599950	MOUNT , RUBBER	(2 REQD)
(C)	35273937	WASHER	(2 REQD)
(D)	95934253	SCREW	(2 REQD)
(E)	36894087	BRACKET , A/E MOUNTING	
(F)	35358274	SCREW	(4 REQD)
(G)	35834795	COUPLING , DRIVE	
(H)	35103852	BUSHING	
(J)	95220604	SCREW	(8 REQD)
(K)	36880995	SCREW	(12 REQD)
(L)	36046480	AIR END ASSEMBLY	HP935
	36043206	AIR END ASSEMBLY	XP1050
(M)	36786572	GASKET	
(N)	36734515	UNLOADER ASSEMBLY	
	35272558	SCREW	(6 REQD)
	96700901	SCREW	(2 REQD)
(Q)	35101476	WASHER	(2 REQD)

EXCHANGE AIREND OPTION: INGERSOLL-RAND OFFERS FACTORY REMANUFACTURED AIRENDS THAT ARE BUILT TO THE LATEST DESIGNS. MEANING IT WILL REFLECT ALL THE ENGINEERING UPGRADES AND PERFORMANCE ENHANCEMENTS MADE TO THAT SIZE UNIT. ALL EXCHANGE AIRENDS COME WITH A ONE YEAR WARRANTY. THESE BENEFITS MAKE A FACTORY REBUILT AIREND THE ONLY COST EFFECTIVE OPTION. CALL YOUR LOCAL IR DEALER FOR MORE DETAILS. PLEASE PROVIDE YOUR AIREND SERIAL NUMBER.

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DOWN BY:	DESCRIPTION	
7-00 WAP	AIREND COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV.
METEOR	54579040-21	1-02/B

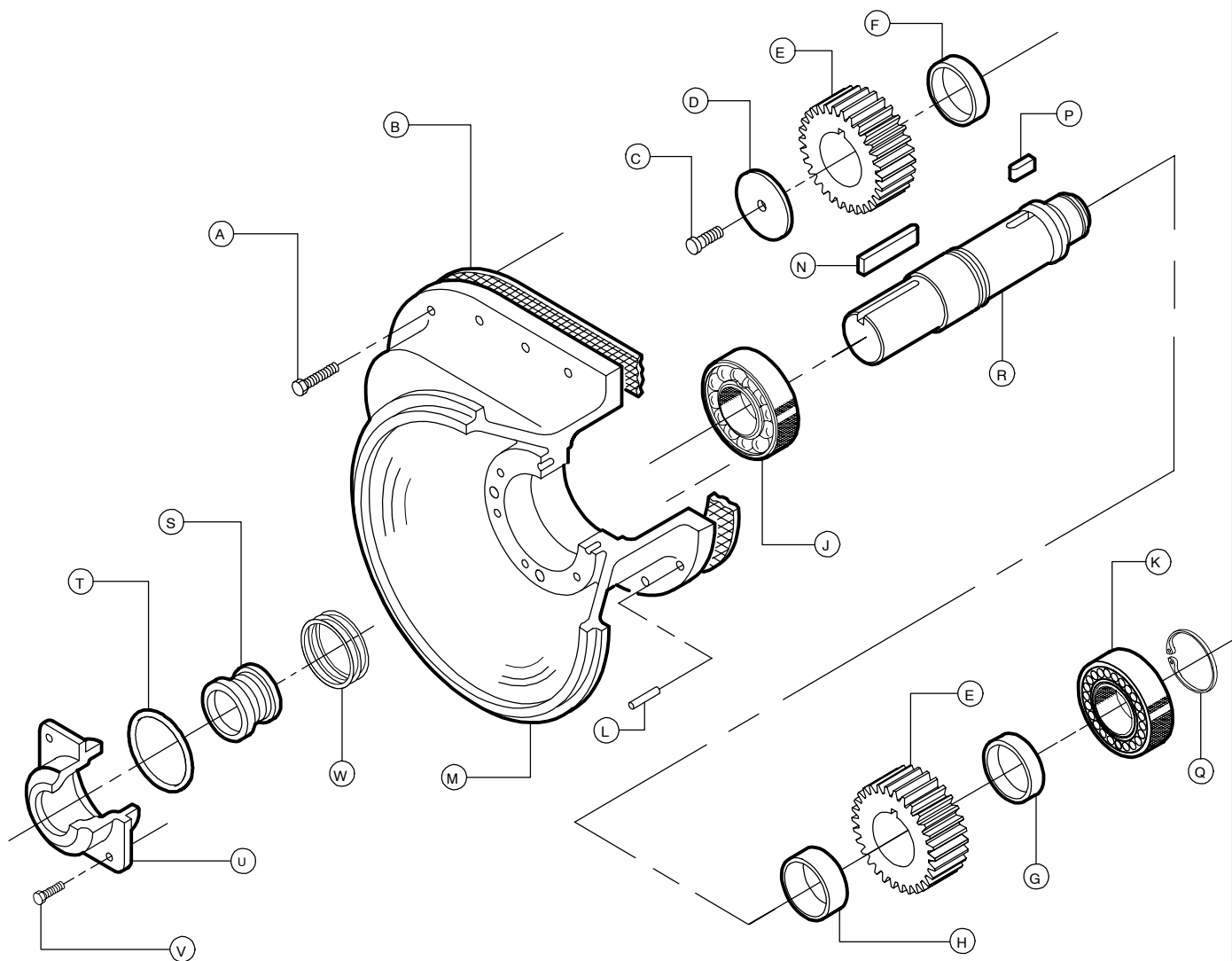


INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION UNLOADER ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-22	DATE/REV: 7-00/A

A	35331586	GROMMET
B	36897148	VALVE , ANTI-RUMBLE
C	35331578	GROMMET
D	35328236	ADAPTER
E	95928255	PLUG
F	36734507	BODY
G	35597509	VALVE ASSEMBLY
H	35328269	BUSHING (2 REQD)
J	35332691	SPRING
K	35328228	BUSHING
L	35328244	SEAL
M	35328251	GASKET
N	36722460	HOUSING
P	35374842	SCREW (12 REQD)
Q	35374834	SCREW (8 REQD)
R	35591189	COVER , PISTON
S	95934642	SCREW
T	35327204	WASHER
U	35592534	DIAPHRAGM
V	35591163	PISTON
W	35332683	SPRING

UNLOADER ASSEMBLY
PART NO. 36734515

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION UNLOADER ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-23	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	AIR END ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV.
METEOR	54579040-24	7-00/A

(A) 35375385 SCREW (12 REQD)

(B) 35611359 GASKET

(C) 92367663 SCREW

(D) 35255819 PLATE , CLAMP

(E) GEAR SET NO. UNIT
36893360 HP-935
93488732 XP-1050

(F) 35299346 SPACER

(G) 36851681 SPACER

(H) 36846418 SPACER

(J) 36846426 BEARING , TAPERED ROLLER

(K) 36854925 BEARING , TAPERED ROLLER

(L) 17A13A289 PIN , DOWEL

(M) 36851459 CASE , GEAR

(N) 35364975 KEY

(P) 35361328 KEY

(Q) 35223145 RING , RETAINING

(R) 36846400 SHAFT , DRIVE

(S) 35593508 SEAL , SHAFT

(T) 95358164 O-RING

(U) 36507515 COVER

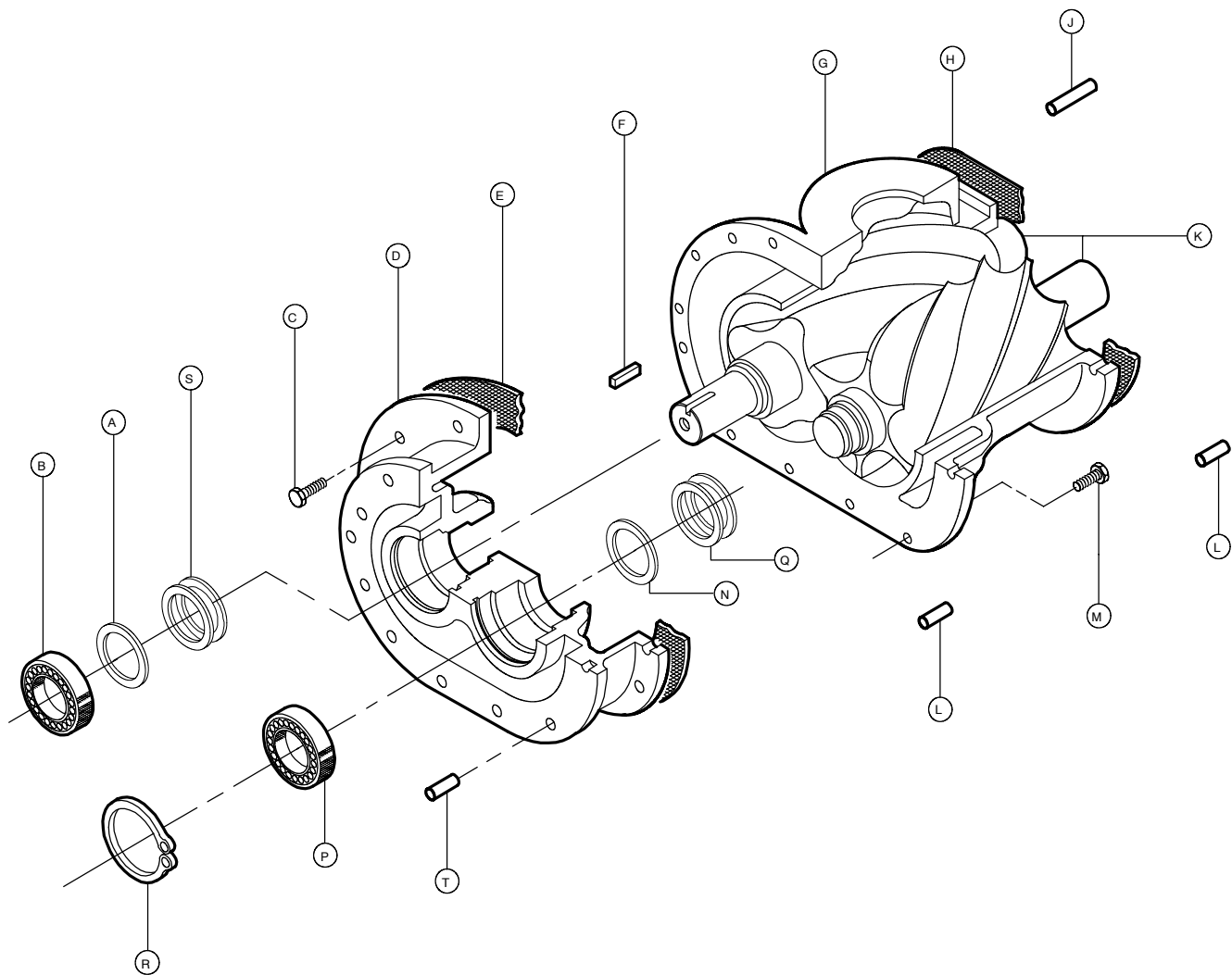
(V) 96712187 SCREW (6 REQD)

(W) 36846442 SHIM SET

36798361 GUARD

36798346 GUARD

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-25	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-26	DATE/REV. 7-00/A

(A) 35299296 SPACER

(B) 35299262 BEARING , ROLLER

(C) 35272541 SCREW (17 REQD)

(D) 36711620 HOUSING , FRONT BEARING

(E) 36506699 GASKET

(F) 35361310 KEY

(G) 36794287 HOUSING , ROTOR

(H) 35611342 GASKET

(J) 95239927 PIN , LOCATING

(K) 36005023 ROTOR SET

(L) 95239919 PIN , LOCATING

(M) 96706429 SCREW (16 REQD)

(N) 35299312 SPACER

(P) 35299270 BEARING , ROLLER

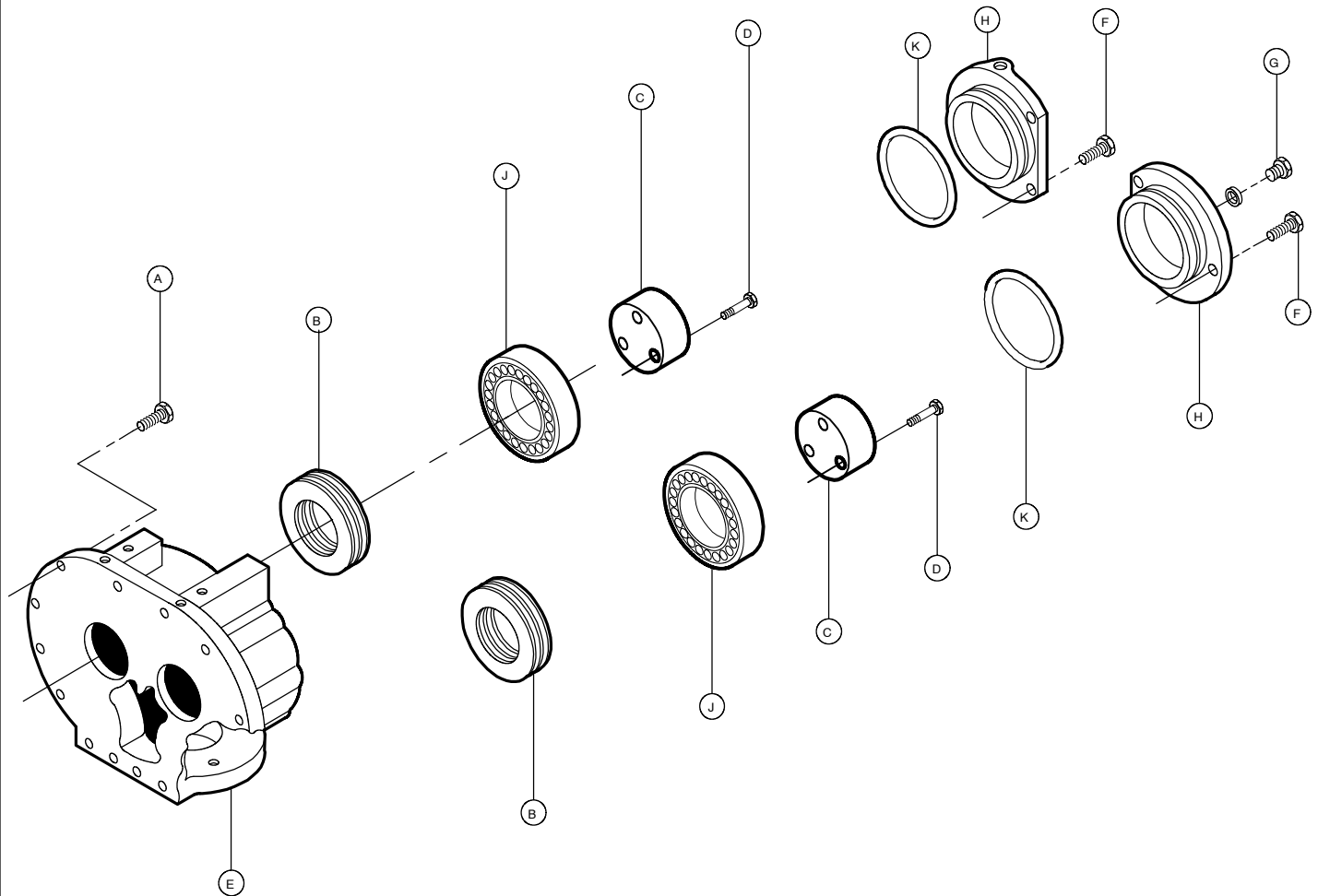
(Q) 35364728 SPRING SET

(R) 35299338 RING , SNAP

(S) 35365261 PIN , LOCATING

(T) 35364710 SPRING , SET

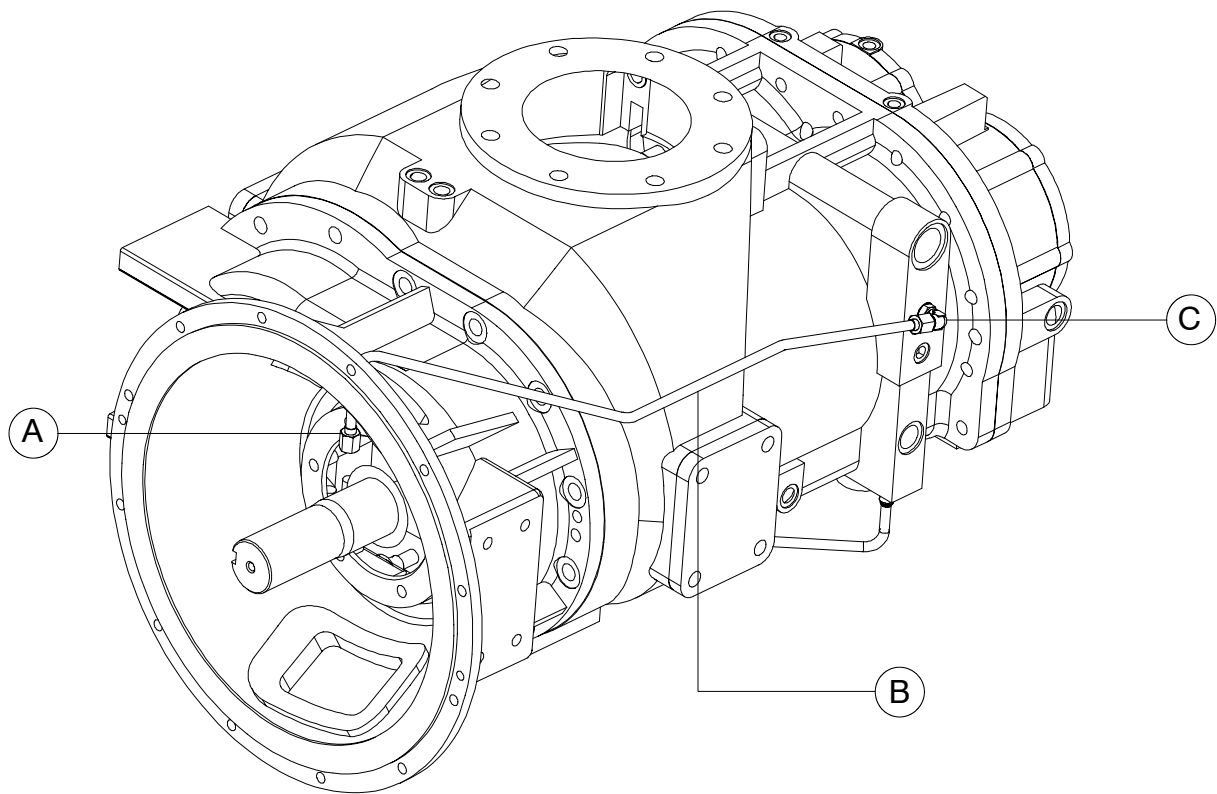
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-27	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-28	DATE/REV. 7-00/A

- (A) 96706429 SCREW (16 REQD)
- (B) 35299361 SHIM SET
- (C) 35299320 PLATE , CLAMP
- (D) 35293869 SCREW (3 REQD)
- (E) 36866069 HOUSING , REAR BEARING
- (F) 35272533 SCREW (3 REQD)
- (G) 35278555 PLUG
- (H) 35579309 COVER , REAR BEARING
- (J) 35299254 BEARING , ROLLER
- (K) 95358198 O-RING

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-29	DATE/REV: 7-00/A



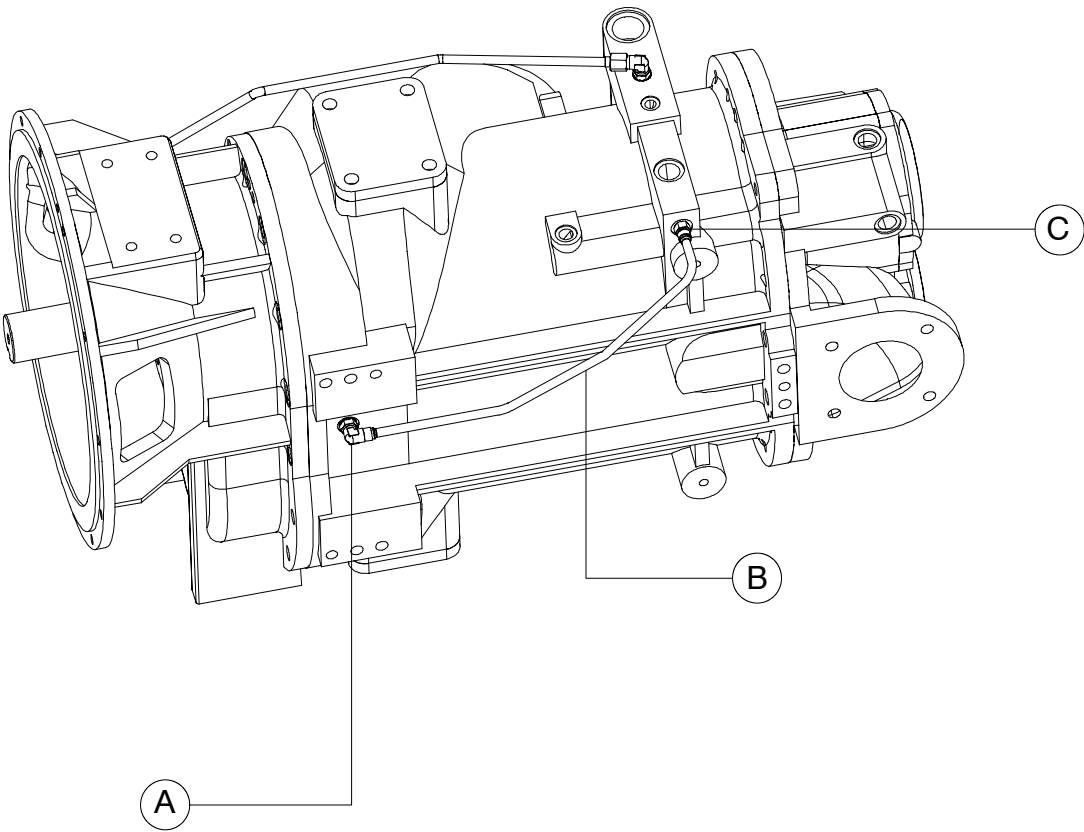
INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
1-00 WAP	AIR END PIPING	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-36	1-00/B

STARTS AT SERIAL NO.

291411

- (A) 95959607 CONNECTOR
- (B) 39911284 TUBE ASSEMBLY
- (C) 95959730 ELBOW , TUBE

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 1-00 WAP	DESCRIPTION AIR END PIPING	
MODEL NO. METEOR	MANUAL NO. 54579040-37	DATE/REV: 1-00/B



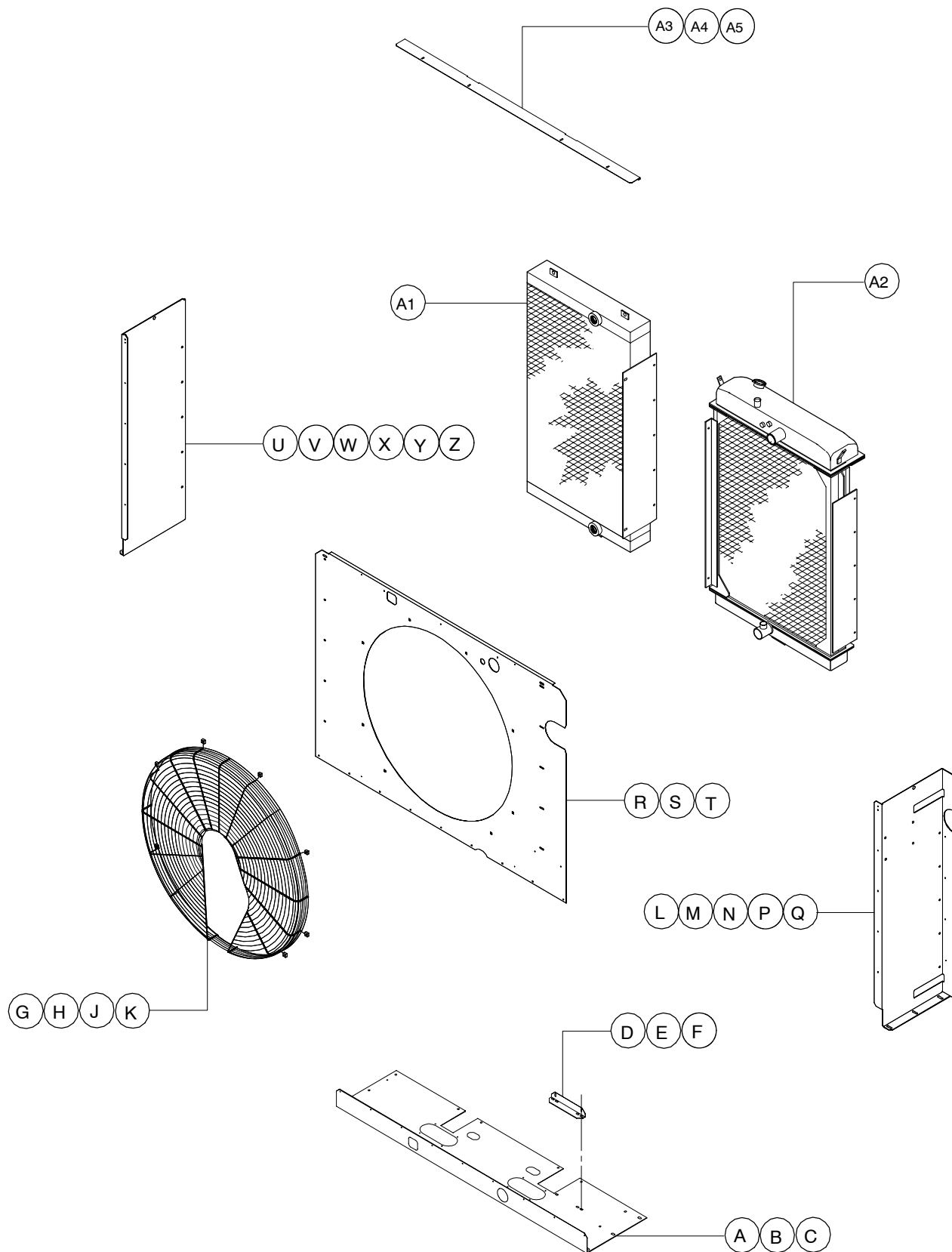
INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
1-00 WAP	AIR END PIPING	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-38	1-00/B

STARTS AT SERIAL NO.

291411

- (A) 35279827 ELBOW , TUBE
- (B) 39911292 TUBE ASSEMBLY
- (C) 95974663 CONNECTOR

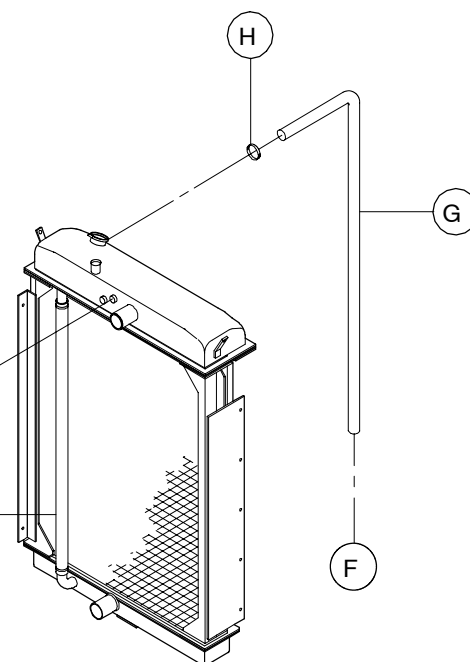
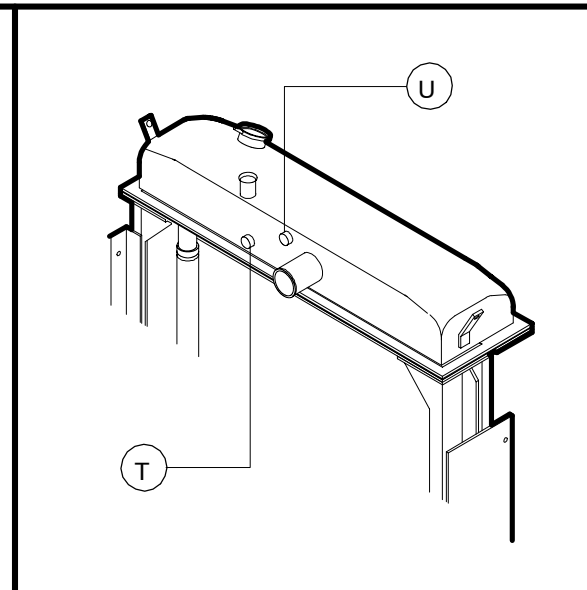
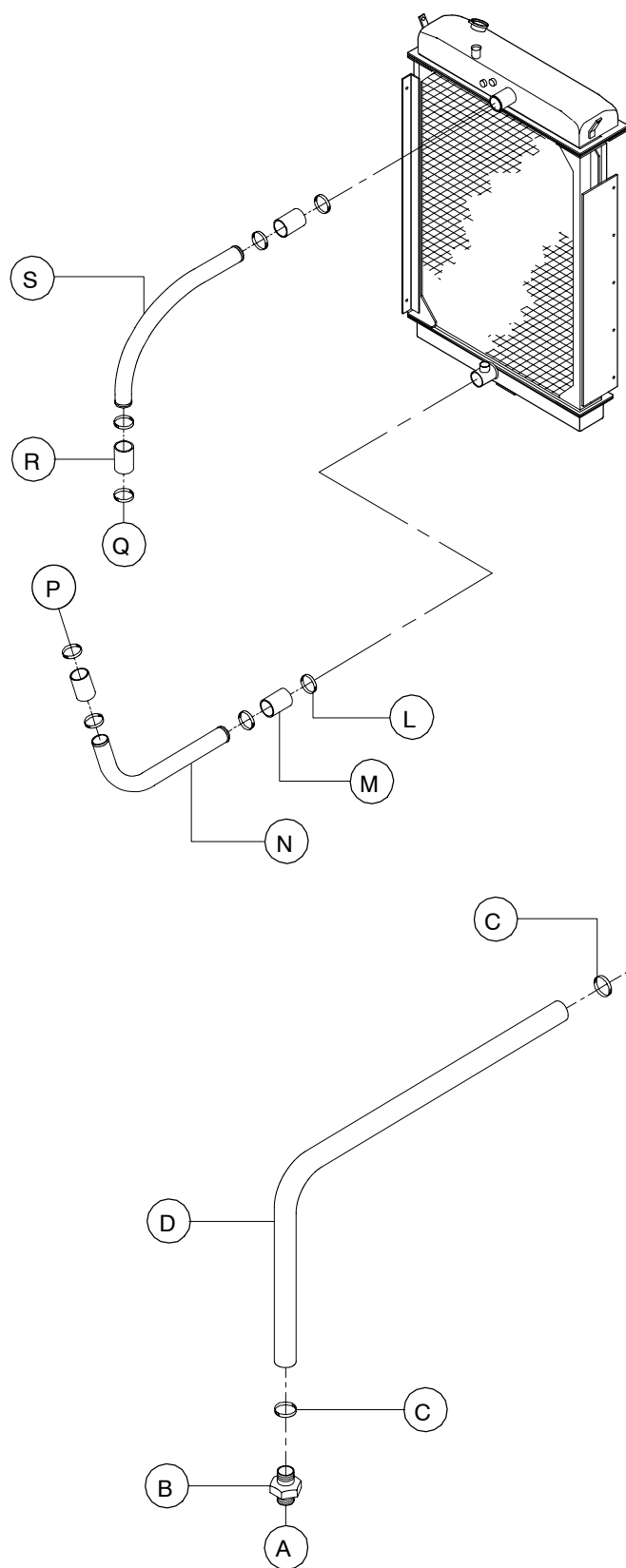
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 1-00 WAP	DESCRIPTION AIR END PIPING	
MODEL NO. METEOR	MANUAL NO. 54579040-39	DATE/REV: 1-00/B



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION RADIATOR AND OIL COOLER ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-40	DATE/REV: 7-00/A

(A)	36894830	PANEL , BOTTOM	
(B)	36797652	SCREW	(9 REQD)
(C)	35279025	SCREW	(4 REQD)
(D)	36895308	BRACKET , FUEL TANK	
(E)	36797652	SCREW	(2 REQD)
(F)	35279025	SCREW	(2 REQD)
(G)	36893550	GUARD , FAN	
(H)	35144336	SCREW	(8 REQD)
(J)	35371558	SCREW	(6 REQD)
(K)	36881886	NUT	(6 REQD)
(L)	36894822	SUPPORT , RADIATOR	
(M)	35371558	SCREW	(5 REQD)
(N)	35371558	SCREW	(2 REQD)
(P)	36879302	SCREW	(2 REQD)
(Q)	36879211	NUT	(2 REQD)
(R)	36894806	PLATE , ORIFICE	
(S)	36797652	SCREW	(10 REQD)
(T)	35346741	NUT	(8 REQD)
(U)	36894814	SUPPORT , OIL COOLER	
(V)	35371558	SCREW	(5 REQD)
(W)	36880995	SCREW	(5 REQD)
(X)	36879195	NUT	(5 REQD)
(Y)	35279025	SCREW	
(Z)	35279025	SCREW	(3 REQD)
(A1)	36891703	OIL COOLER	
(A2)	36891687	RADIATOR	
(A3)	35335140	CAP , RADIATOR	
(A4)	36894848	SUPPORT , ROOF	
(A5)	36797652	SCREW	(5 REQD)
(A6)	36797652	SCREW	(4 REQD)

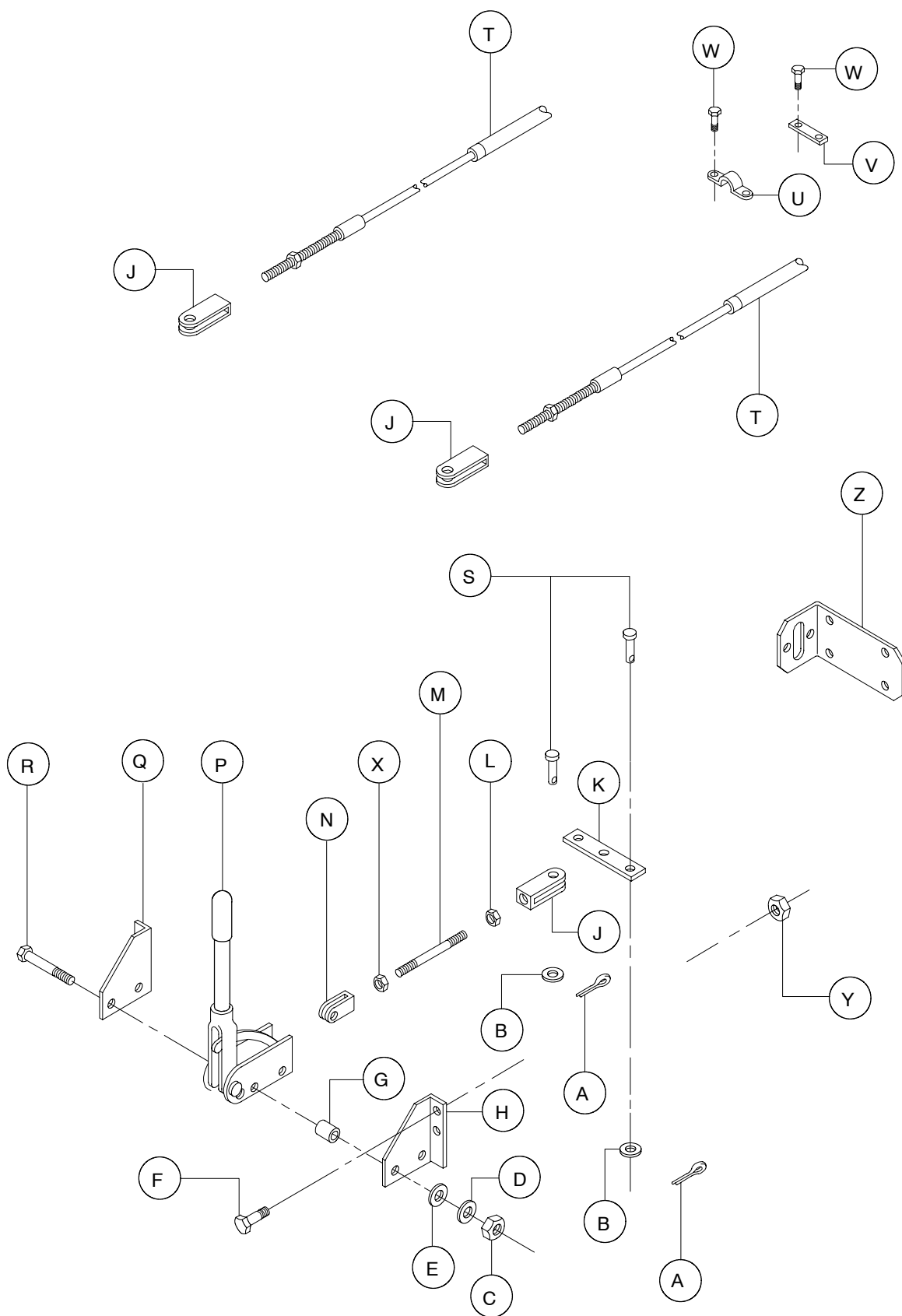
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION RADIATOR AND OIL COOLER ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-41	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	RADIATOR PIPING	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-42	7-00/A

(A)	TO ENGINE , NEAR WATER OUTLET		
(B)	36840627	ADAPTER	
(C)	35296342	CLAMP	
(D)	35286772	HOSE	(58 INCHES)
(E)	35369511	ADAPTER	
(F)	THRU BELLY PAN		
(G)	35360775	TUBING	(74 INCHES)
(H)	36845592	CLAMP	
(J)	35135458	HOSE	(47 INCHES)
(K)	95235131	CLAMP	(2 REQD)
(L)	35222017	CLAMP	(8 REQD)
(M)	35330570	HOSE	(3 REQD)
(N)	36894772	TUBE	
(P)	TO BOTTOM OF ENGINE		
(Q)	TO TOP OF ENGINE		
(R)	35356534	HOSE	
(S)	36894764	TUBE	
(T)	TO LOW COOLANT LEVEL SENSOR		
(U)	TO VENT LINE		

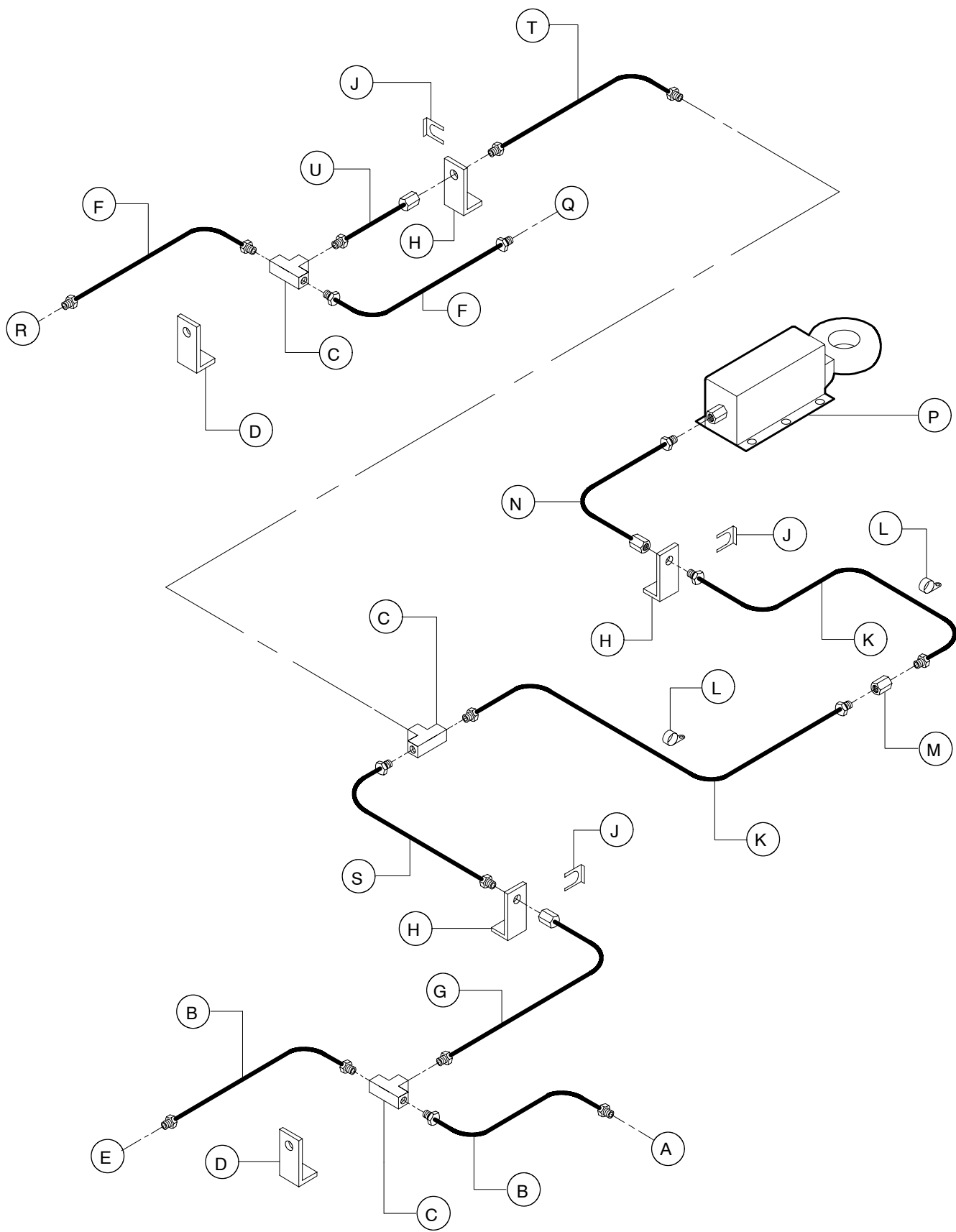
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION RADIATOR PIPING	
MODEL NO. METEOR	MANUAL NO. 54579040-43	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION PARKING BRAKES	
MODEL NO. METEOR	MANUAL NO. 54579040-44	DATE/REV: 7-00/A

(A)	95928867	PIN , COTTER	
(B)	95934998	WASHER	36043362 - PARKING BRAKE COMPLETE
(C)	35145077	NUT	(TANDEM UNIT)
(D)	92304674	WASHER	
(E)	95934998	WASHER	
(F)	36763704	SCREW	
(G)	35603224	SPACER	
(H)	36847440	BRACKET , L.H.	
(J)	35603208	CLEVIS	
(K)	35602846	BRACKET	
(L)	35118728	NUT	
(M)	35603182	ROD , LINK	
(N)	35603216	CLEVIS	
(P)	35857382	LEVER	
(Q)	36847432	BRACKET , R.H.	
(R)	95935136	SCREW	
(S)	35357151	PIN	
(T)	36895407	CABLE	
(U)	35602895	CLIP	
(V)	35602903	SPACER	
(W)	35279025	SCREW	
(X)	95935086	NUT	
(Y)	96700877	NUT	

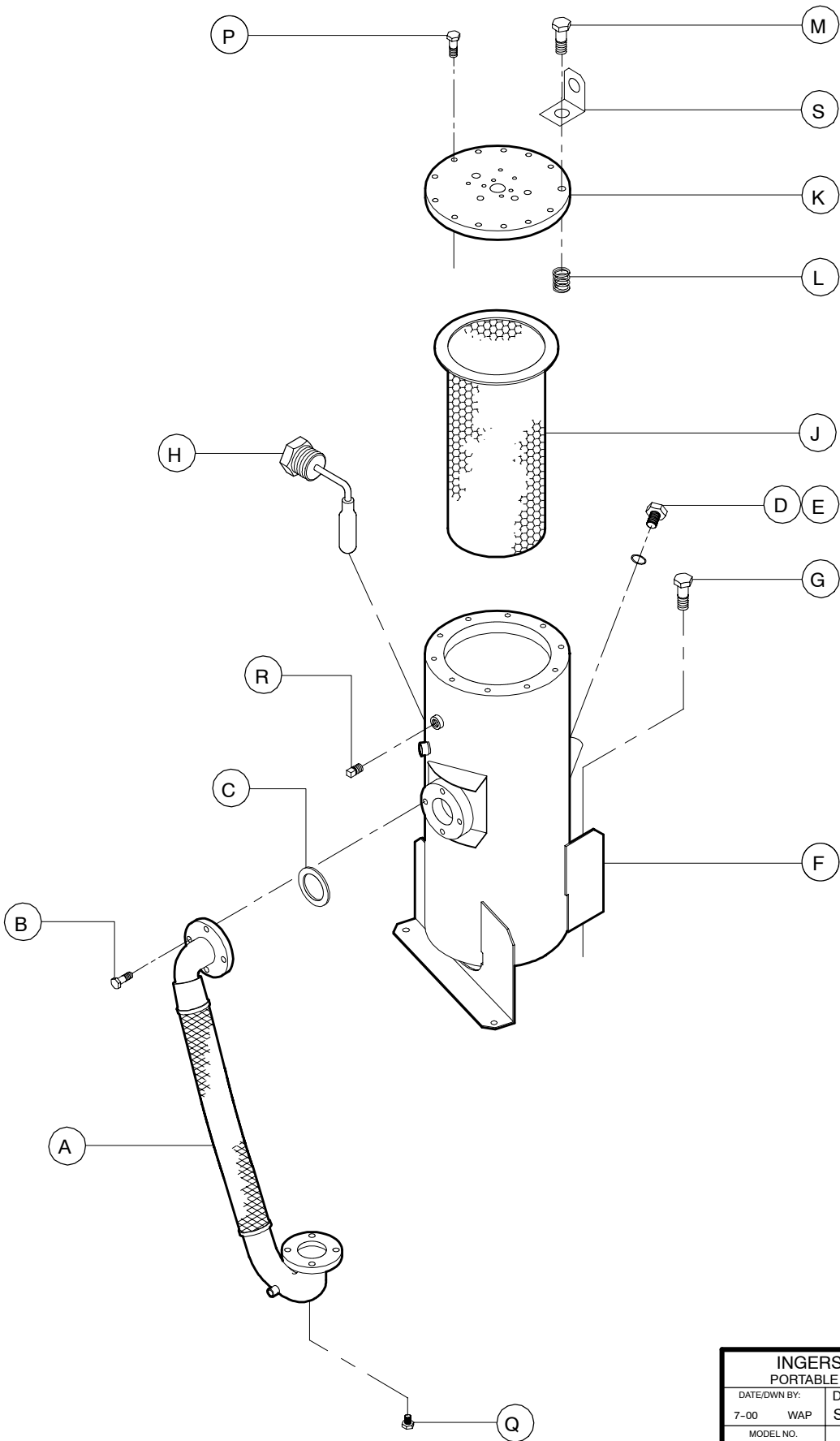
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION PARKING BRAKES	
MODEL NO. METEOR	MANUAL NO. 54579040-45	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION BRAKE LINE PIPING	
MODEL NO. METEOR	MANUAL NO. 54579040-46	DATE/REV: 7-00/A

(A)	TO L.H. SIDE / REAR AXLE	
(B)	35356419	TUBE ASSEMBLY
(C)	35356328	TEE
(D)	36867471	BRACKET , TEE
(E)	TO R.H. SIDE / REAR AXLE	
(F)	36894665	TUBE ASSEMBLY
(G)	35356377	HOSE , FLEX
(H)	35356310	BRACKET , HOSE MOUNTING
(J)	35356302	CLIP , HOSE
(K)	36894681	TUBE ASSEMBLY
(L)	X1182T23	CLAMP , TUBE
(M)	35356336	UNION
(N)	35356369	HOSE , FLEX
(P)	36734879	BRAKE ACTUATOR ASSEMBLY
(Q)	TO R.H. SIDE / FRONT AXLE	
(R)	TO L.H. SIDE / FRONT AXLE	
(S)	36894673	TUBE ASSEMBLY
(T)	35356377	TUBE ASSEMBLY
(U)	36894699	TUBE ASSEMBLY

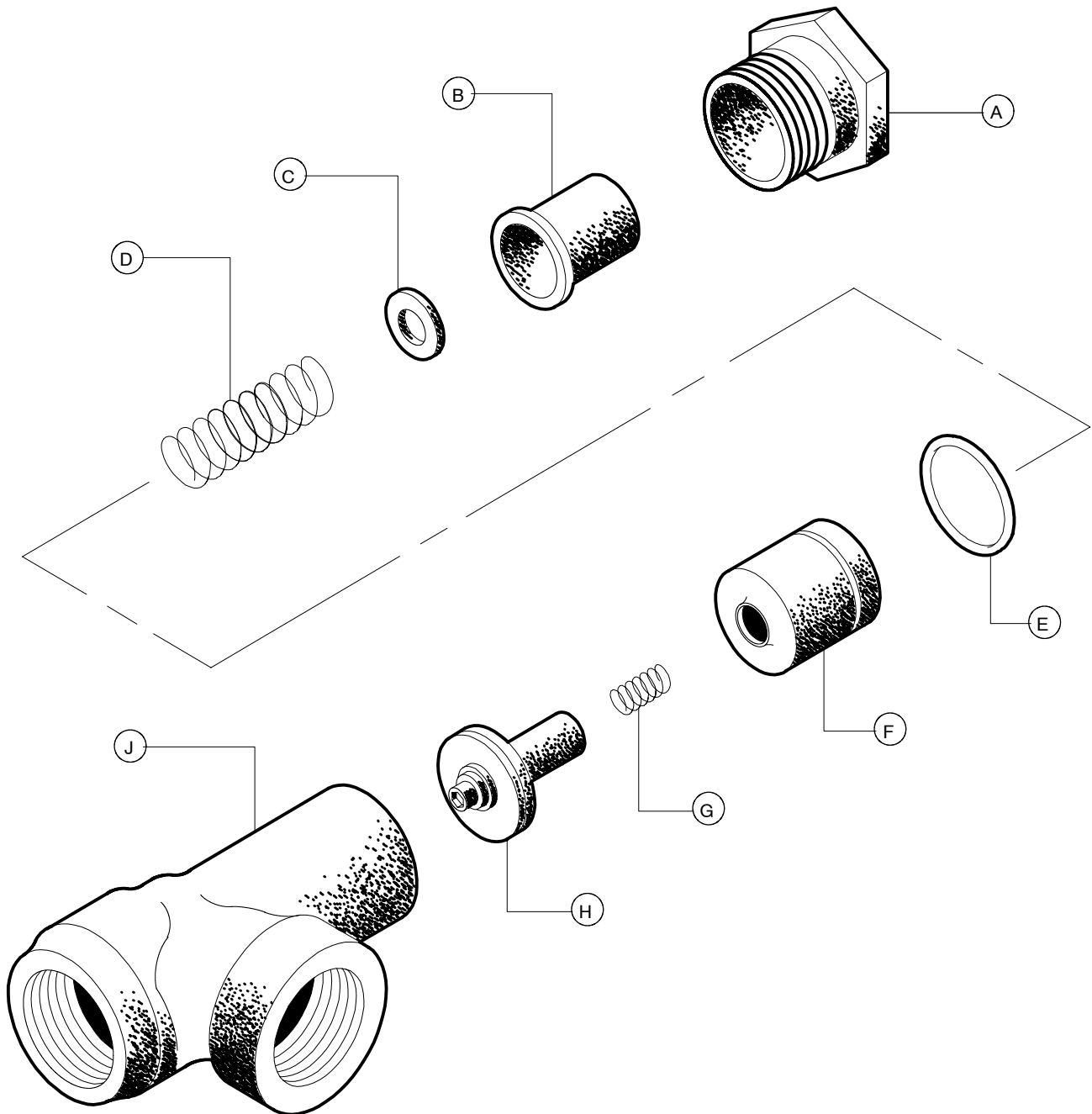
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION BRAKE LINE PIPING	
MODEL NO. METEOR	MANUAL NO. 54579040-47	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION SEPARATOR TANK ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-48	DATE/REV: 7-00/A

(A)	36893691	HOSE , DISCHARGE	
(B)	36765121	SCREW	(8 REQD)
(C)	35575570	GASKET	(2 REQD)
(D)	35579630	PLUG	
(E)	35279942	O-RING	
(F)	36891307	TANK , SEPARATOR	(STANDARD)
	36898476	TANK , SEPARATOR	(EEC)
(G)	36879302	SCREW	(3 REQD)
(H)	36891083	GAGE , OIL LEVEL	
(J)	36891315	ELEMENT	
(K)	36891323	COVER	
(L)	35602325	SPRING	
(M)	35375377	SCREW	
(N)	95252409	PLUG	
(P)	36879302	SCREW	(16 REQD)
(Q)	95280541	O-RING	
(R)	95252409	PLUG	
(S)	36785012	BRACKET	(2 REQD)

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION SEPARATOR TANK ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-49	DATE/REV: 7-00/A



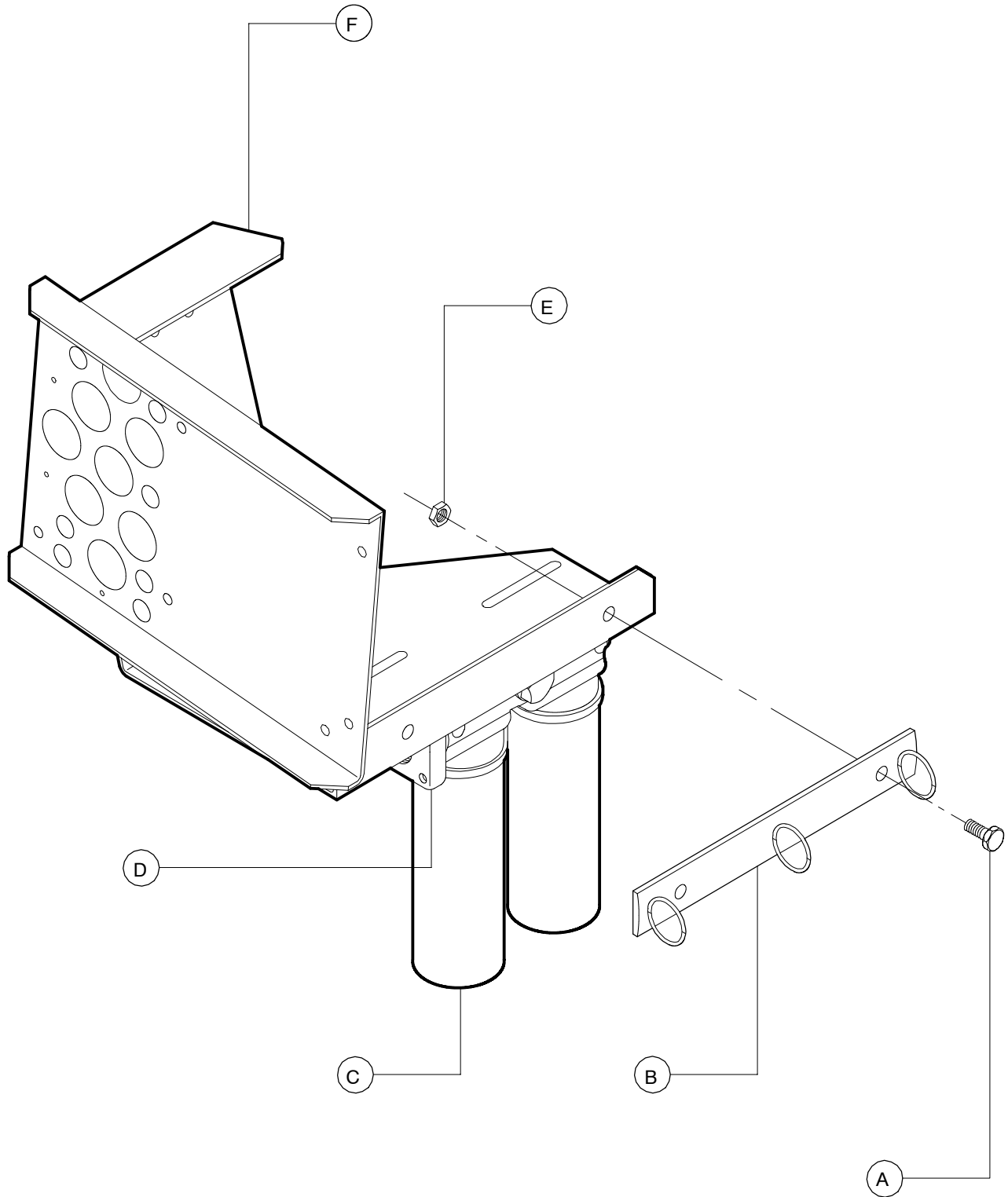
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION MINIMUM PRESSURE VALVE	
MODEL NO. METEOR	MANUAL NO. 54579040-50	DATE/REV: 7-00/A

(A)	35367341	CAP
(B)	35367390	INSERT
(C)	11A5D6Z1	WASHER
(D)	35367366	SPRING
(E)	35367374	O-RING
(F)	35367325	PISTON
(G)	35367358	SPRING
(H)	35367317	CHECK VALVE ASSEMBLY
(J)	35367333	BODY

MINIMUM PRESSURE CHECK VALVE ASSEMBLY

———— PART NUMBER 35598770

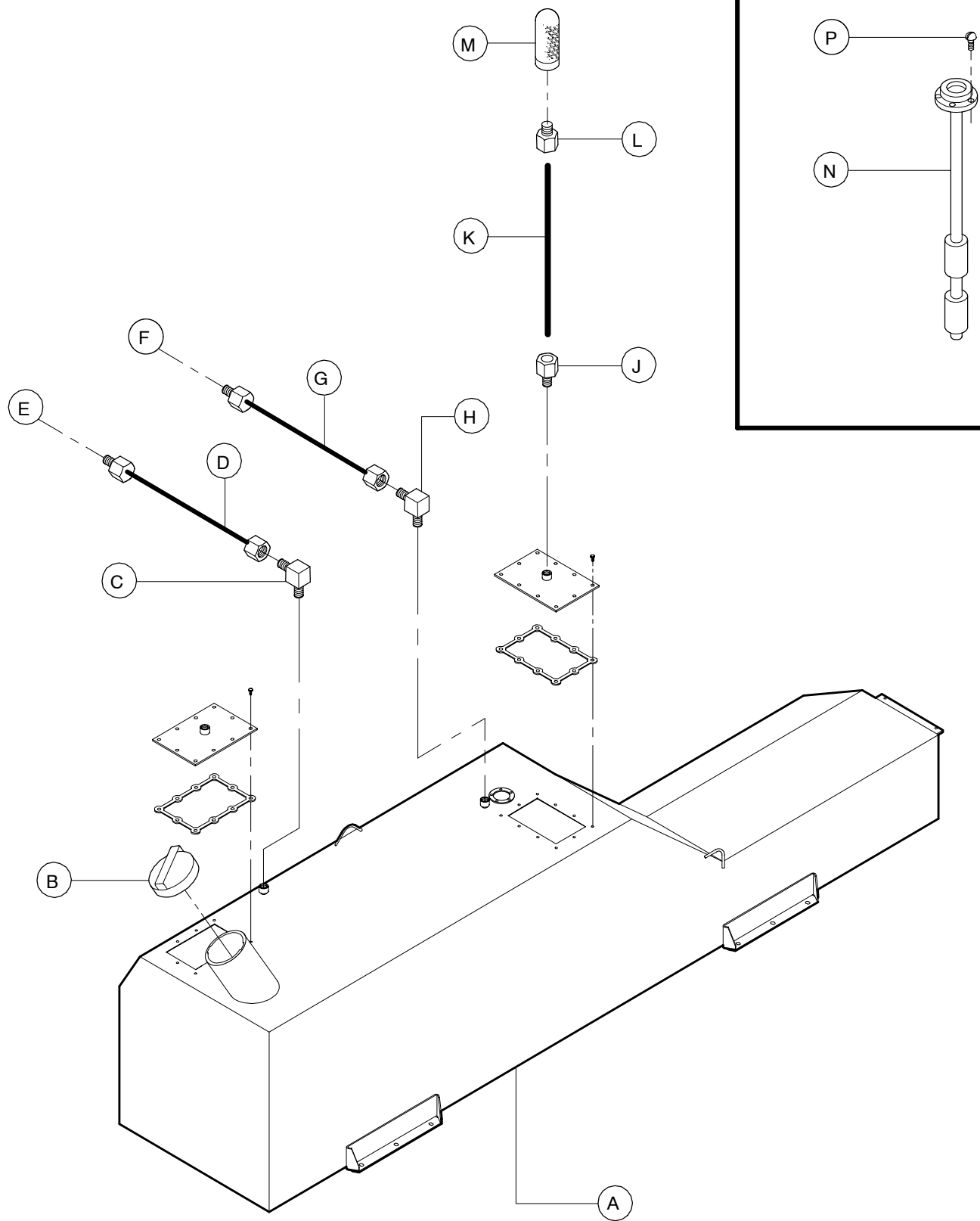
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION MINIMUM PRESSURE VALVE	
MODEL NO. METEOR	MANUAL NO. 54579040-51	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	OIL FILTER ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-52	7-00/A

(A)	95942553	SCREW (2 REQD)
(B)	36788982	BINDER , 3-RING
(C)	36860336	ELEMENT , FILTER
(D)	36756120	FILTER HEAD ASSEMBLY
(E)	95923033	NUT (2 REQD)
(F)	36893766	SUPPORT , A/E AIR CLEANER

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION OIL FILTER ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-53	DATE/REV: 7-00/A



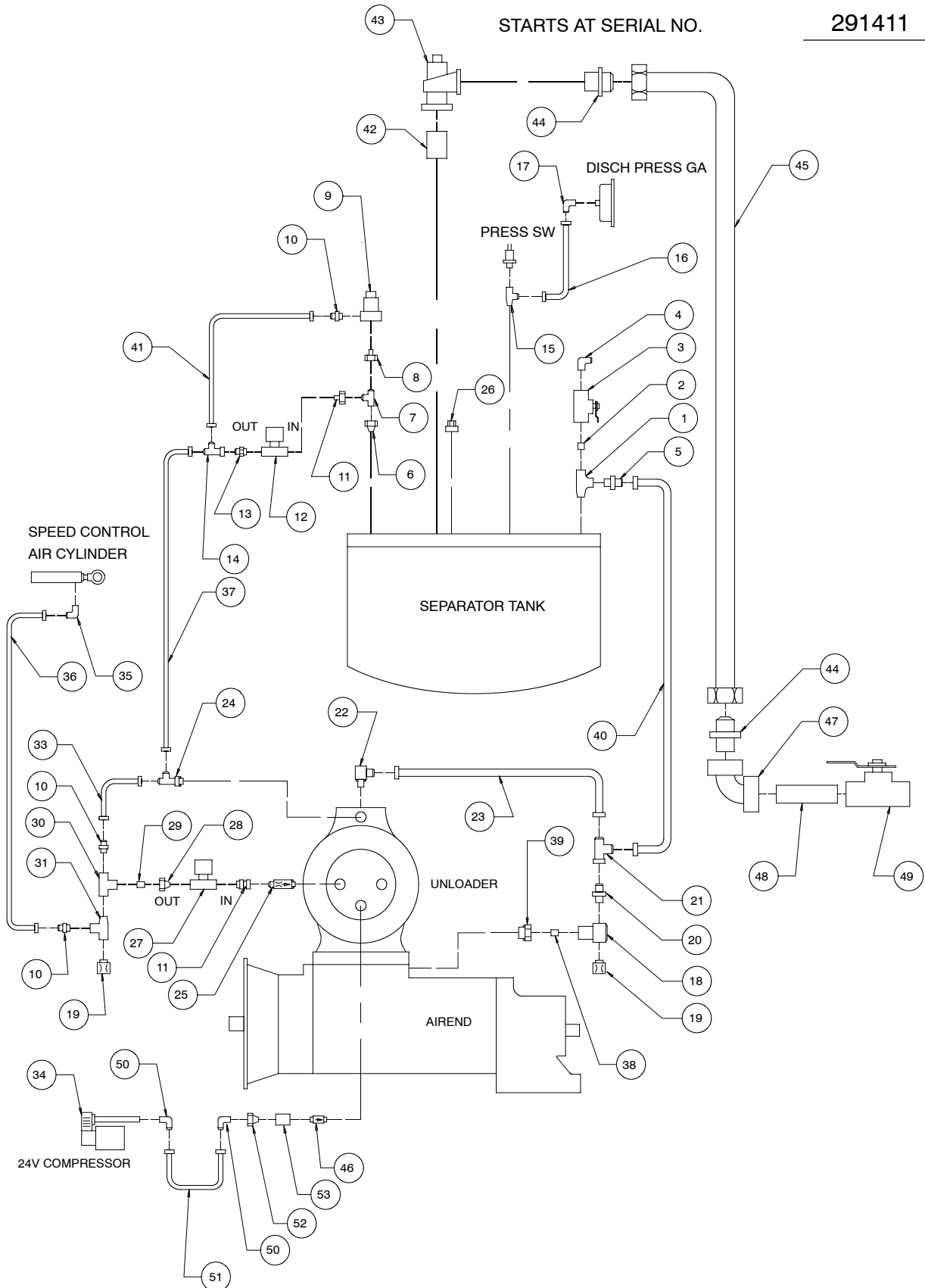
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION FUEL TANK COMPLETE	
MODEL NO. METEOR	MANUAL NO. 54579040-54	DATE/REV: 7-00/A

(A)	36893667	TANK , FUEL	
(B)	36845014	CAP , FUEL TANK	
(C)	35286756	ELBOW , 90	°
(D)	35136548	HOSE ASSEMBLY	
(E)	FUEL SUPPLY		
(F)	FUEL RETURN		
(G)	36881928	HOSE ASSEMBLY	
(H)	35283118	ELBOW , 90	°
(J)	35369347	CONNECTOR	(2 REQD)
(K)	35356484	TUBING	
(L)	35369339	CONNECTOR	(2 REQD)
(M)	35322395	MUFFLER	(2 REQD)
(N)	36893949	SENDER , FUEL	
(P)	36842102	SCREW	(5 REQD)

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION FUEL TANK COMPLETE	
MODEL NO. METEOR	MANUAL NO. 54579040-55	DATE/REV: 7-00/A

STARTS AT SERIAL NO.

291411



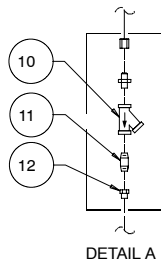
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 1-00 WAP	DESCRIPTION AIR PIPING	
MODEL NO. METEOR	MANUAL NO. 54579040-56	DATE/REV: 1-00/B

ITEM NO.	PART NO.	PART DESCRIPTION
1	95954269	TEE, STREET .75 NPT
2	95928040	NIPPLE, CLOSE .75 NPT
3	35576115	VALVE, BALL .75 NPT
4	95928172	ELBOW , STREET 90 .75 NPT
5	35313287	ADAPTER, .75 NPT X -8 JIC
6	95944625	BUSHING, .50 NPT X .25 NPT
7	35283050	TEE, RUN .25 NPT X -6 JIC
8	35367846	NUT, SWIVEL -6 JIC X .25 NPT
9	36854495	VALVE, PRESSURE REGULATOR 150 PSI (HP UNITS ONLY)
	36854149	VALVE, PRESSURE REGULATOR 100 PSI (XP UNITS ONLY)
10	35284082	CONNECTOR, .25 NPT X -6 JIC
11	35368927	SWIVEL, FEMALE .38 NPT X -6 JIC
12	36840841	VALVE, SOLENOID 24V - .38 NPT
13	35290147	CONNECTOR, .38 NPT X -6 JIC
14	35283084	TEE, RUN, SWIVEL NUT -6 JIC
15	35326503	TEE, .125 NPT X -4 JIC
16	35127083	HOSE, -.04 JIC X 72.00 LONG
17	35301225	ELBOW , 90 .125 NPT X -4 JIC
18	35322379	VALVE, BLOWDOWN
19	35322346	CONNECTOR, ORIFICE .156
20	35283134	CONNECTOR, .25 NPT X -8 JIC
21	35287929	TEE, RUN, SWIVEL NUT, -8 JIC
22	35287937	ELBOW , 90 .56 -18X -8 JIC
23	35857176	TUBE, FLARED -8 JIC
24	35279850	TEE, RUN, .56-18 X -6 JIC
25	36840460	VALVE, RELIEF/CHECK .040 ORIFICE
26	95954038	PLUG, .25 NPT
27	36881944	VALVE, SOLENOID, START/RUN
28	95940748	BUSHING, .38 NPT X .25 NPT
29	95944575	NIPPLE, CLOSE .25 NPT
30	95954194	TEE, .25 NPT
31	95944690	TEE, STREET .25 NPT
32	35284082	CONNECTOR, .25 NPT X -6 JIC
33	36843464	TUBE, FLARED -38 JIC
34	36046308	KIT, COMPRESSOR 24 VOLT
35	35301126	ELBOW , 90 .125 NPT X -6 JIC
36	36844074	HOSE, -6 JIC X 52.00 LONG
37	35311471	HOSE, -6 JIC X 30.00 LONG
38	95667341	NIPPLE, CLOSE .25 NPT
39	35302314	ADAPTER
40	35141902	HOSE, -8 JIC X 50.00 LONG
41	35282953	HOSE, -6 JIC X 11.00 LONG
42	95953808	NIPPLE, 2.00 NPT X 3.00 LONG
43	35598770	VALVE, CHECK 2.00 NPT , MINIMUM PRESSURE
44	35335124	CONNECTOR, MALE -32 JIC X 2.00 NPT
45	36893923	TUBE, SERVICE
46	35248145	VALVE, CHECK .25 NPT
47	95946281	ELBOW , 90 2.00 NPT
48	95944658	NIPPLE, 2.00 NPT X 12.00 LONG
49	35602473	VALVE, BALL 2.00 NPT
50	35306687	ELBOW , 90 .125 NPT X -4 JIC
51	35283258	HOSE, -4 JIC X 34.00 LONG
52	95930301	BUSHING, REDUCING .25 NPT X .12 NPT
53	95953444	COUPLING, .25 NPT

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION AIR PIPING	
MODEL NO. METEOR	MANUAL NO. 54579040-57	DATE/REV: 7-00/A

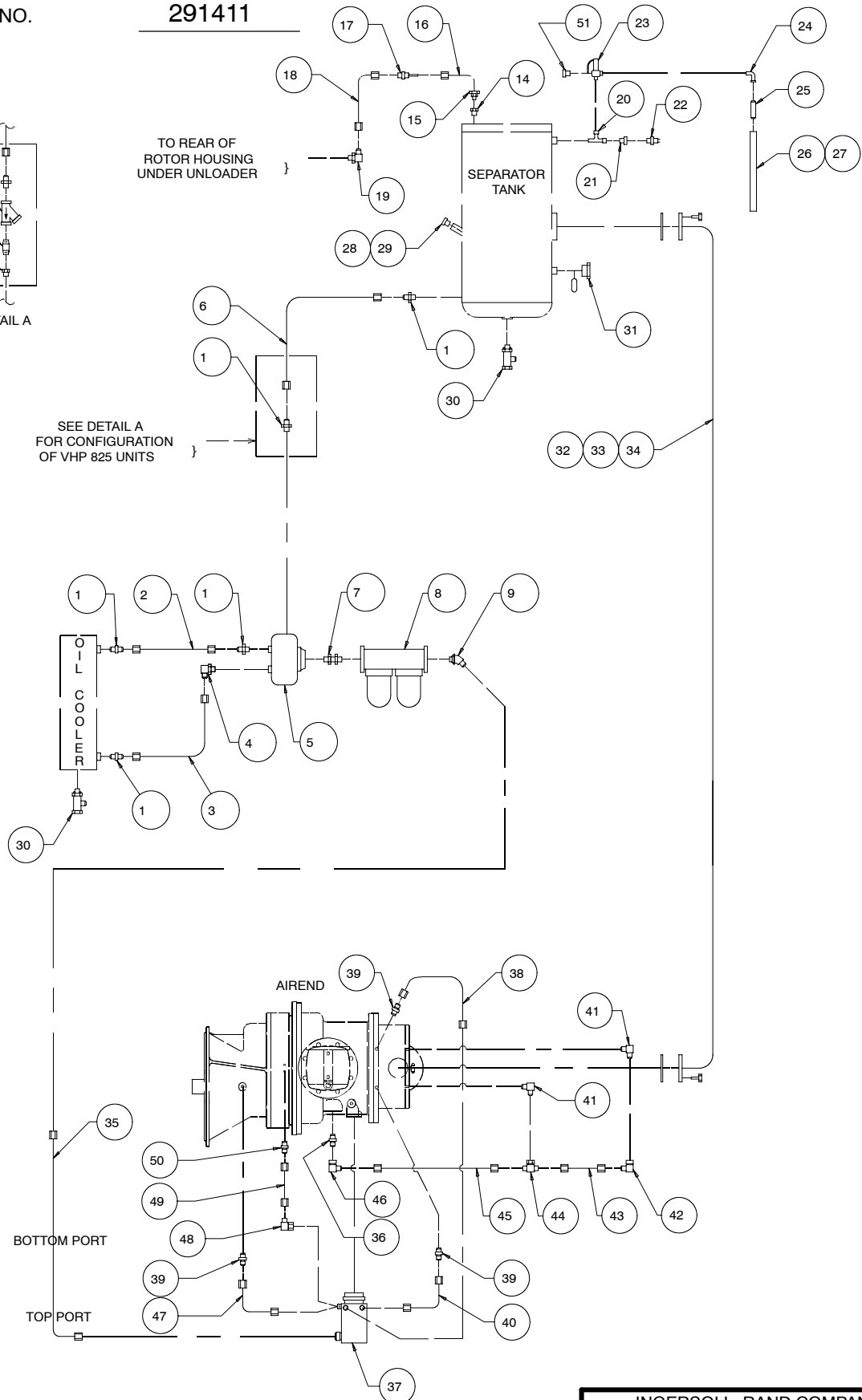
STARTS AT SERIAL NO.

291411



TO REAR OF
ROTOR HOUSING
UNDER UNLOADER

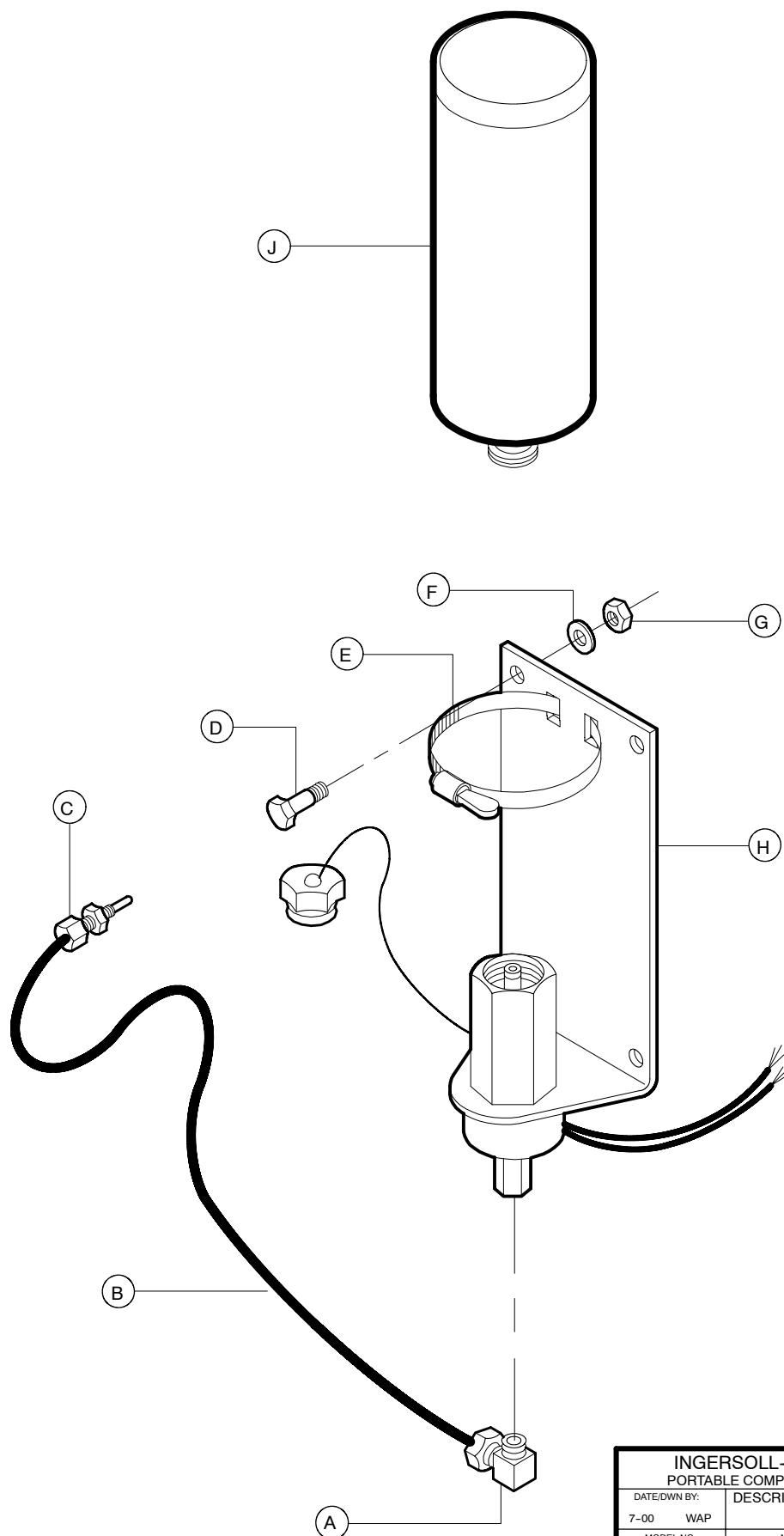
SEE DETAIL A
FOR CONFIGURATION
OF VHP 825 UNITS



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 1-00 WAP	DESCRIPTION OIL PIPING	
MODEL NO. METEOR	MANUAL NO. 54579040-58	DATE/REV: 1-00/B

NO.	PART NO.	DESCRIPTION
1	35296409	STRAIGHT CONN 1.88-12 X -24 JIC, W/O-RING
2	36894749	TUBE ASSY - UPPER
3	36894731	TUBE ASSY - LOWER
4	95431292	ELBOW , 90 1.88-12X -24 JIC, W/O-RING
5	36893824	OIL TEMPERATURE BYPASS VALVE
6	35130863	HOSE ASSY
7	95867933	UNION, 1.88-12 X -24 JIC, W/O-RING
8	36756120	DUAL FILTER ASSY
9	35296425	ELBOW , 45 1.88-12X -24 JIC, W/O-RING
10	NA	
12	NA	
13	NA	
14	95037347	BUSHING, .50 NPT X .38 NPT
15	35329309	LENZ FITTING
16	22072219	TUBE ASSY
17	36840411	CHECK VALVE .25
18	35127034	HOSE ASSY
19	95365094	ELBOW , 90 .44-20X -4 JIC W/O-RING
20	95954277	STREET TEE, 1.25 NPT
21	95940912	BUSHING, 1.25 NPT X .50 NPT
22	36865756	TEMPERATURE SWITCH
23	39225511	SAFETY VALVE, 200 PSI
24	95953311	STREET ELBOW , 90 1.50 NPT
25	36764389	TUBE ADAPTER, 1.50 PIPE X 2.00 TUBE
26	36764884	VENT TUBE
27	35192178	SADDLE CLAMP, 2.00
28	35579630	VENT PLUG, 1.62-12
29	35279942	O-RING
30	36795680	DRAIN VALVE, W/O-RING
31	36891083	OIL LEVEL GAGE ASSY
32	36893691	DISCHARGE HOSE ASSY
33	35575570	GASKET
34	36765121	HEX SCREW, M16-2.00 X 55LG
35	35130871	HOSE ASSY
36	35286954	STRAIGHT CONN .88-14 X -10 JIC, W/O-RING
37	36866531	MANIFOLD, W/O-RING
38	36865889	TUBE ASSY
39	36866564	STRAIGHT CONN .44-18 -6 JIC, W/O-RING
40	36865897	TUBE ASSY
41	35305622	ELBOW , 90 .75-16X -10 JIC , W/O-RING
42	35305648	ELBOW , SWIVEL 90 .75 -16X -10 JIC
43	36865921	TUBE ASSY
44	35356450	TEE SWIVEL .88-14 X -10 JIC
45	35856251	TUBE ASSY
46	35305648	ELBOW , 90 .75 -16X -10 JIC
47	36865905	TUBE ASSY
48	35283068	ELBOW 90 .56 -18X -6 JIC
49	36894780	TUBE ASSY
50	36866564	STRAIGHT CONN .44-20 X -6 JIC, W/O-RING

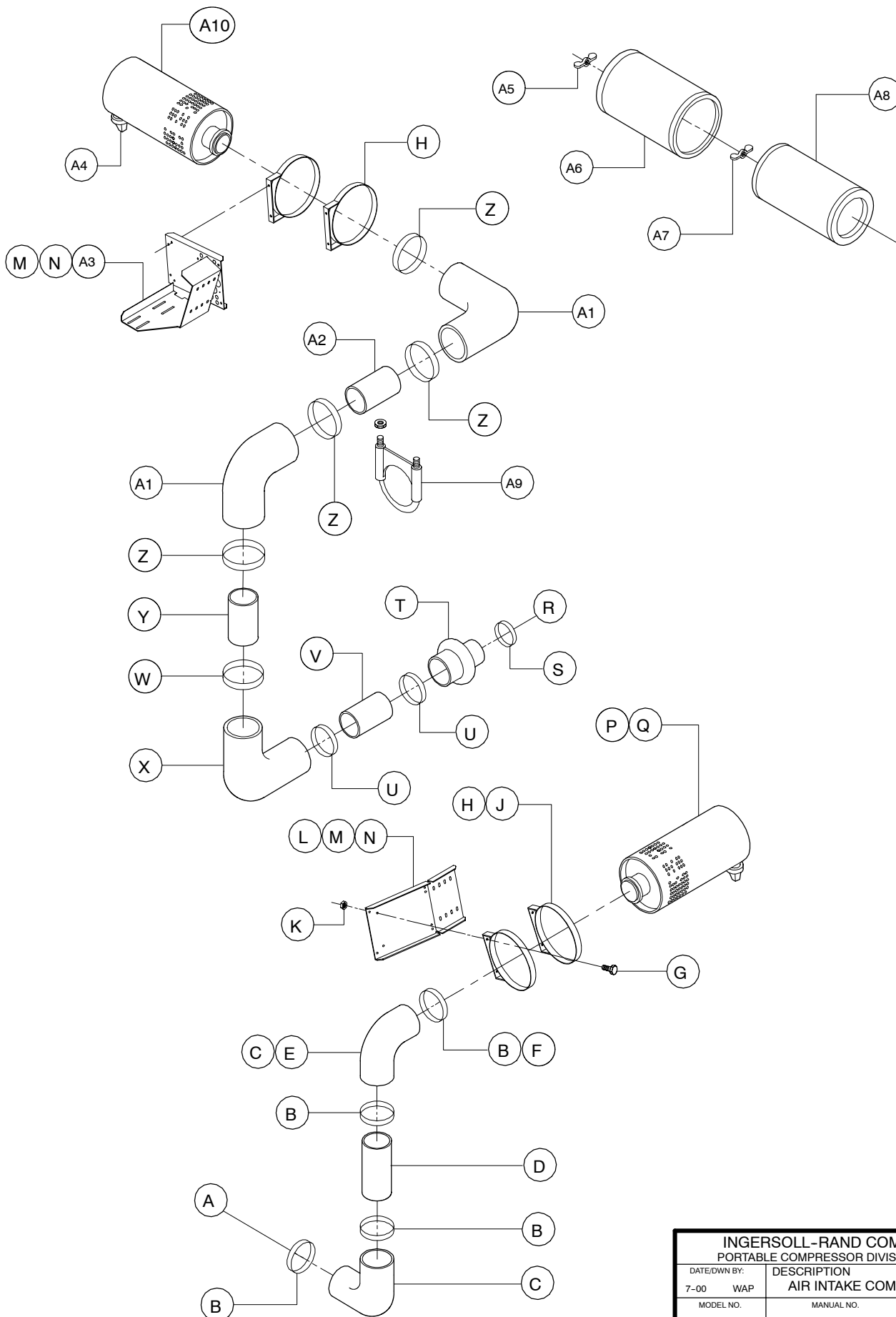
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	OIL PIPING	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-59	11-01/B



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION STARTING AID	
MODEL NO. METEOR	MANUAL NO. 54579040-60	DATE/REV: 7-00/A

(A)	35103498	ELBOW , 90 °
(B)	35132166	TUBING
(C)	35602812	ATOMIZER
(D)	35322908	SCREW (4 REQD)
(E)	35103506	CLAMP
(F)	14A5C55	WASHER (4 REQD)
(G)	92304500	NUT (4 REQD)
(H)	35357961	VALVE & BRACKET ASSEMBLY
(J)	35112911	CYLINDER , ETHER
(K)	35357052	STARTING AID KIT COMPLETE

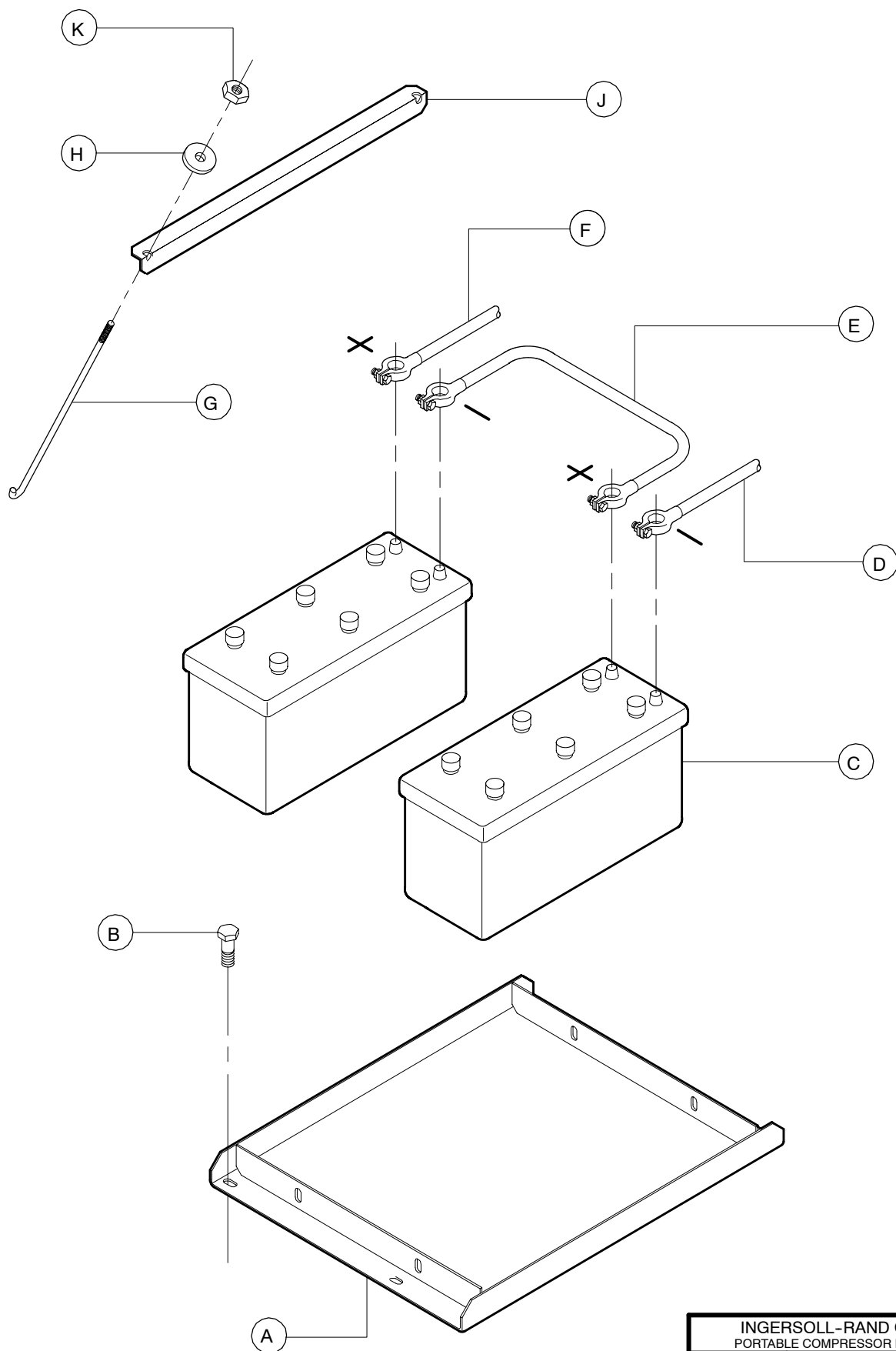
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION STARTING AID	
MODEL NO. METEOR	MANUAL NO. 54579040-61	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION AIR INTAKE COMPLETE	
MODEL NO. METEOR	MANUAL NO. 54579040-62	DATE/REV: 7-00/A

(A)	TO UNLOADER INLET	(A10)	36866242	Air Cleaner Assy
(B)	35119858	CLAMP		
(C)	35598838	ELBOW		
(D)	35112648	TUBE		
(E)	35315894	ELBOW		
(F)	35123496	CLAMP		
(G)	36880995	SCREW (8 REQD)		
(H)	35863638	BAND , MOUNTING		
(J)	35502608	BAND , MOUNTING		
(K)	36879195	NUT (8 REQD)		
(L)	36893766	SUPPORT , A/E AIR CLEANER		
(M)	36880995	SCREW (8 REQD)		
(N)	36879195	NUT (8 REQD)		
(P)	36866242	AIR CLEANER ASSY. (HP 935 only)		
(Q)	36893832	AIR CLEANER ASSY. (XP1050 only)		
(R)	TO ENGINE TURBO			
(S)	35279553	CLAMP		
(T)	35274406	REDUCER		
(U)	35161025	CLAMP		
(V)	36895639	TUBE		
(W)	35116615	CLAMP		
(X)	35281328	ELBOW		
(Y)	36895647	TUBE		
(Z)	35116615	CLAMP		
(A1)	35117605	ELBOW		
(A2)	35596493	TUBE		
(A3)	36893758	SUPPORT , ENG. AIR CLEANER		
(A4)	36867778	EJECTOR , DUST		
(A5)	36867794	NUT , WING		
(A6)	36867786	ELEMENT , PRIMARY		
	36893840	ELEMENT , PRIMARY		
(A7)	36867794	NUT , WING		
(A8)	36876019	ELEMENT , SAFETY		
	36893857	ELEMENT , SAFETY		
(A9)	36896579	CLAMP		

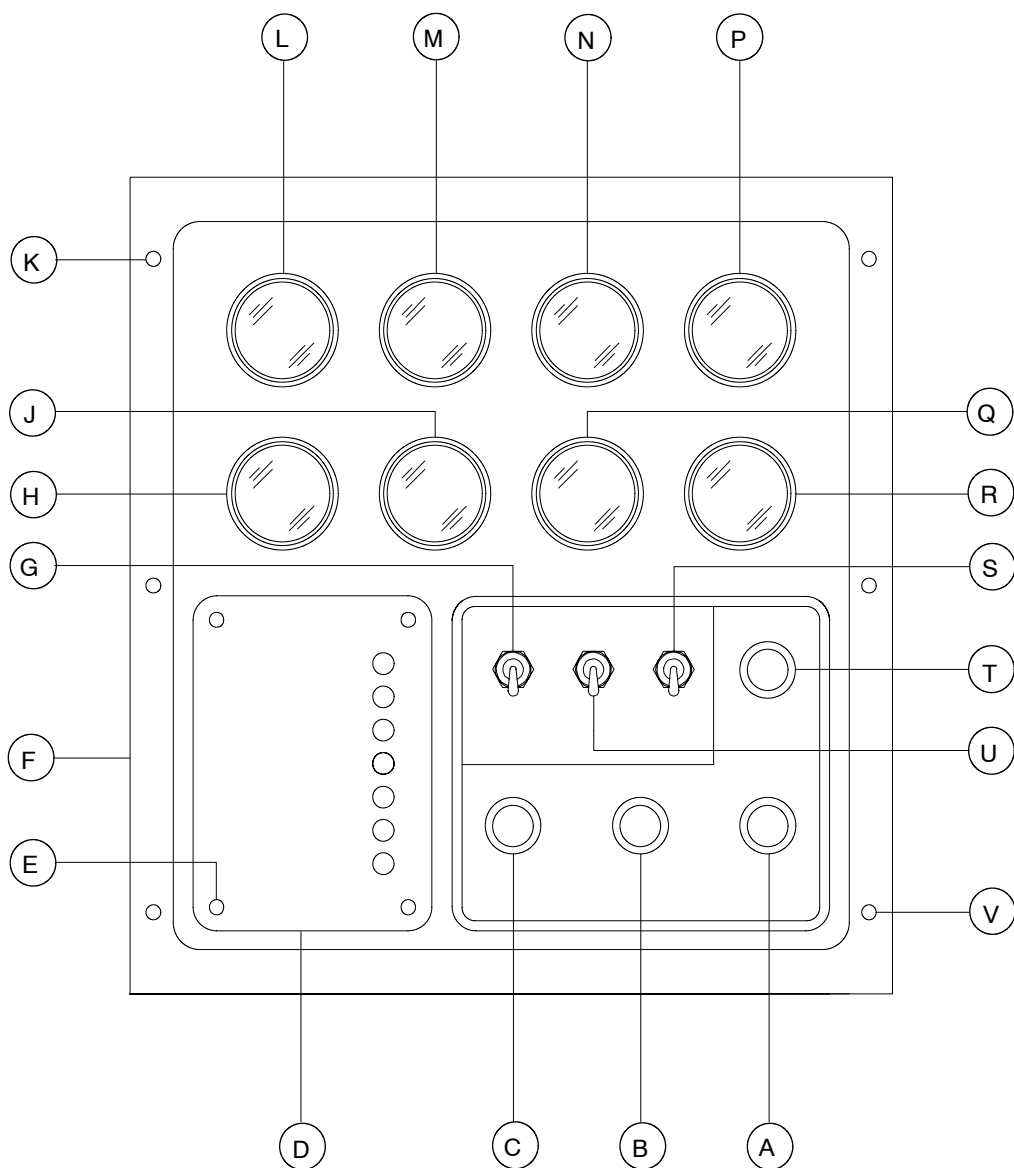
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION AIR INTAKE COMPLETE	
MODEL NO. METEOR	MANUAL NO. 54579040-63	DATE/REV. 7-00/A



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION BATTERY AND MOUNTING	
MODEL NO. METEOR	MANUAL NO. 54579040-64	DATE/REV: 7-00/A

(A)	36894798	TRAY , BATTERY	
(B)	35279025	SCREW	(4 REQD)
(C)	36793545	BATTERY	(2 REQD) (WET)
	36892523	BATTERY	(2 REQD) (DRY)
(D)	35579143	CABLE , NEGATIVE	
(E)	35128982	CABLE , JUMPER	
(F)	35512425	CABLE , POSITIVE	
(G)	36860005	J-BOLT	(4 REQD)
(H)	36853265	WASHER	(4 REQD)
(J)	36895456	HOLD DOWN	(2 REQD)
(K)	95923298	NUT	(4 REQD)

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION BATTERY AND MOUNTING	
MODEL NO. METEOR	MANUAL NO. 54579040-65	DATE/REV: 7-00/A

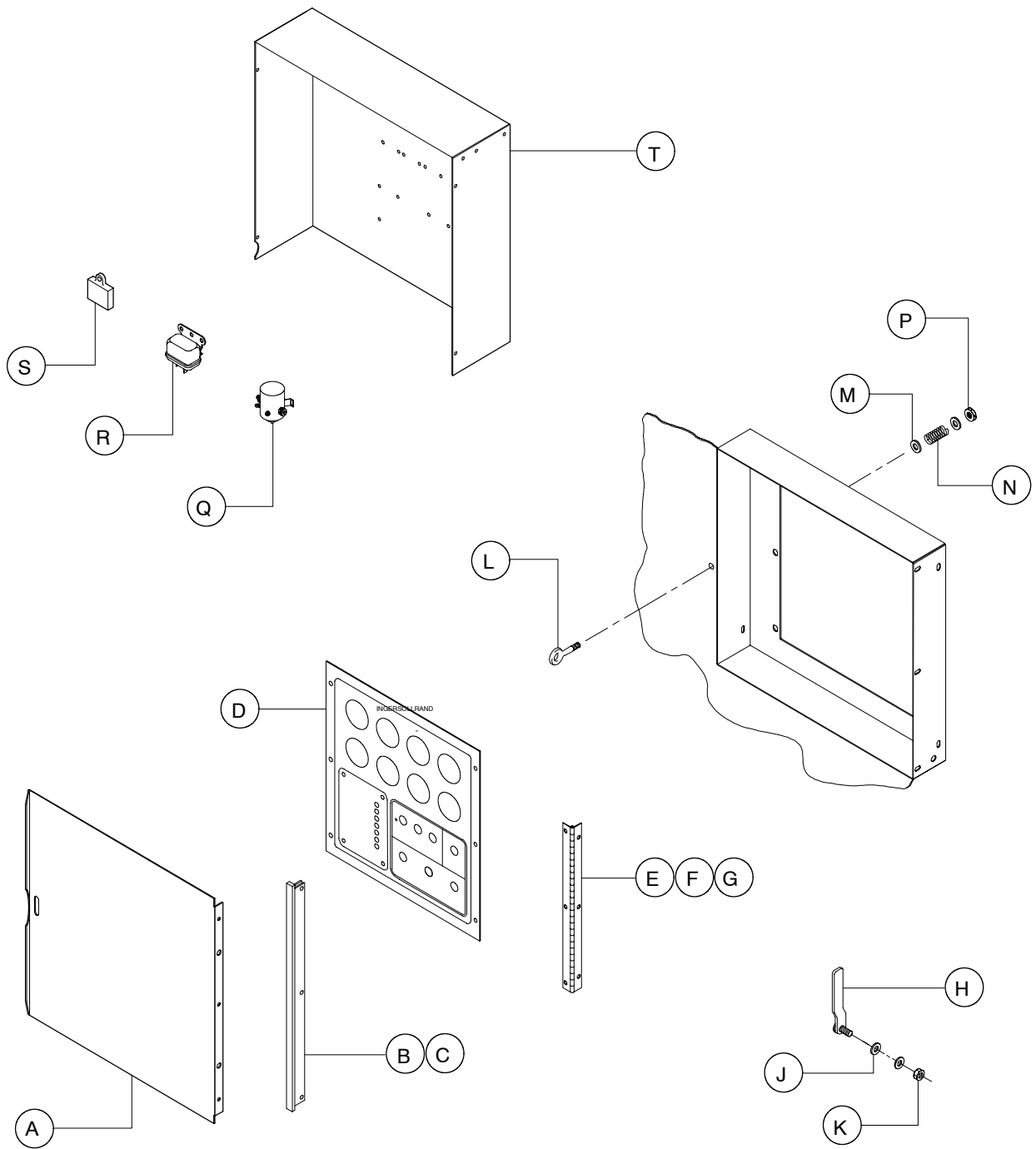


INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION INSTR / CONTROL PANEL & MOUNTING	
MODEL NO. METEOR	MANUAL NO. 54579040-66	DATE/REV: 7-00/A

(A)	35255561	SWITCH , BY-PASS	
(B)	35255553	SWITCH , START	
(C)	35255553	SWITCH , ETHER INJECTION	
(D)	36771434	MODULE , 7 LIGHT	
(E)	36775484	RIVET , PLASTIC	
(F)	36842656	PANEL , INSTRUMENT / CONTROL	
(G)	35337435	SWITCH , ON / OFF POWER	
(H)	36841245	GAGE , HOURMETER	
(J)	35604099	GAGE , FUEL LEVEL	
(K)	36844124	STUD , 1/4 TURN	(3 REQD)
	35369180	RETAINER	(3 REQD)
	35314582	RECEPTACLE	(3 REQD)
(L)	35377878	GAGE , DISCHARGE PRESSURE	HP915
	36789535	GAGE , DISCHARGE PRESSURE	XP1000
(M)	35604115	GAGE , DISCHARGE AIR TEMPERATURE	
	36841146	KIT , RESISTOR / BULB	
(N)	36870590	GAGE , ENGINE OIL PRESSURE	
(P)	35372416	TACHOMETER	
(Q)	35604115	GAGE , ENGINE WATER	TEMP.
(R)	36841153	GAGE , VOLTMETER	
(S)	SWITCH , ACCESSORY	(OPTIONAL)	
(T)	35255561	SWITCH , SERVICE AIR	
(U)	35337435	SWITCH , LIGHT	
(V)	35144328	SCREW	(3 REQD)
	35144492	NUT	(3 REQD)

36891455	PANEL HARNESS	
36892370	MODULE , LOW WATER	
36842128	BULB , GAGE	(6 REQD)

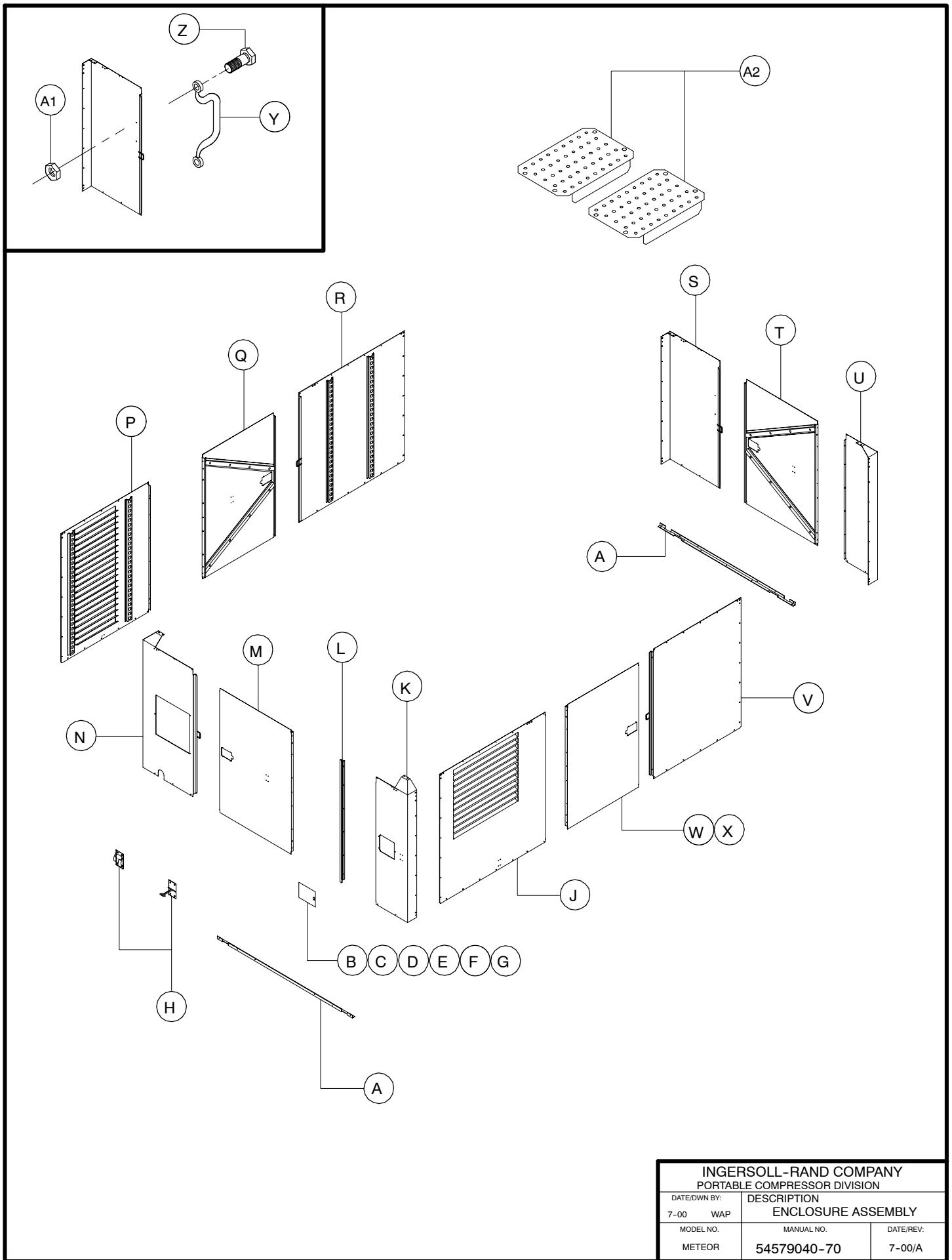
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	INSTR / CONTROL PANEL & MOUNTING	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-67	1-02/B



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION INSTR / CONTROL PANEL & MOUNTING	
MODEL NO. METEOR	MANUAL NO. 54579040-68	DATE/REV: 7-00/A

(A)	36845394	DOOR , CONTROL PANEL	
(B)	36845733	HINGE	
(C)	35356617	RIVET	(3 REQD)
(D)	36842656	PANEL , INSTRUMENT / CONTROL	
(E)	36845725	HINGE	
(F)	35144328	SCREW	(3 REQD)
(G)	35144492	NUT	(3 REQD)
(H)	35603349	HOLDER	
(J)	95935037	WASHER	(2 REQD)
(K)	35273366	NUT	
(L)	35327303	EYEBOLT	
(M)	95923314	WASHER	(2 REQD)
(N)	35327311	SPRING	
(P)	95923314	NUT	
(Q)	35577873	SWITCH , MAG.	
(R)	36878361	RELAY , 24 VOLT	
	36892362	RELAY , 24 VOLT	(4 REQD)
(S)	36892370	MODULE , LOW WATER	
(T)	36844595	ENCLOSURE , INSTRUMENT PANEL	

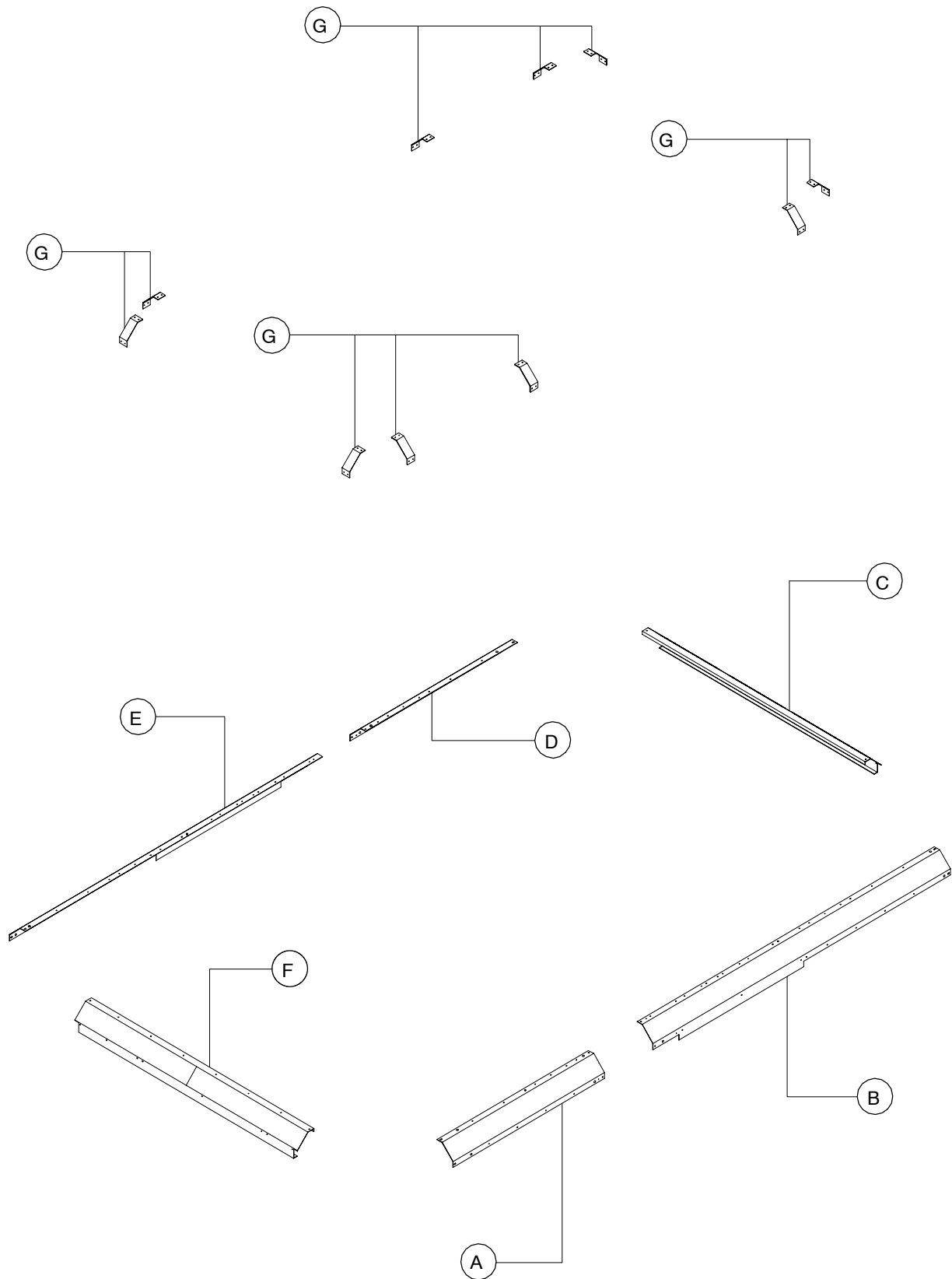
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION INSTR / CONTROL PANEL & MOUNTING	
MODEL NO. METEOR	MANUAL NO. 54579040-69	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	ENCLOSURE ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-70	7-00/A

(A)	36894590	ANGLE , MOUNTING	
(B)	36894467	DOOR , FUEL FILLER	
(C)	36501500	HINGE	
(D)	35327303	EYEBOLT	
(E)	35327311	SPRING	
(F)	95934998	WASHER	
(G)	95923314	NUT	
(H)	36849925	LATCH , DOOR	
(J)	36894434	PANEL , L.H. FRONT	SIDE
(K)	36894459	PANEL , L.H. FRONT	
(L)	36740421	HINGE	(4 REQD)
(M)	36894400	DOOR	
(N)	36894475	PANEL , R.H. FRONT SIDE	
(P)	36894442	PANEL , R.H. FRONT	
(Q)	36894418	DOOR	
(R)	36894368	PANEL , R.H. REAR	
(S)	36894384	PANEL , R.H. REAR	
(T)	36894400	DOOR	
(U)	36894376	PANEL , L.H. REAR	
(V)	36894350	PANEL , L.H. REAR SIDE	
(W)	36894426	DOOR	
(X)	36793602	LATCH , DOOR	
(Y)	35130707	HOLD , HAND	
(Z)	35374834	SCREW	
(A1)	36769743	NUT	
(A2)	36897619	STEPS , REAR	

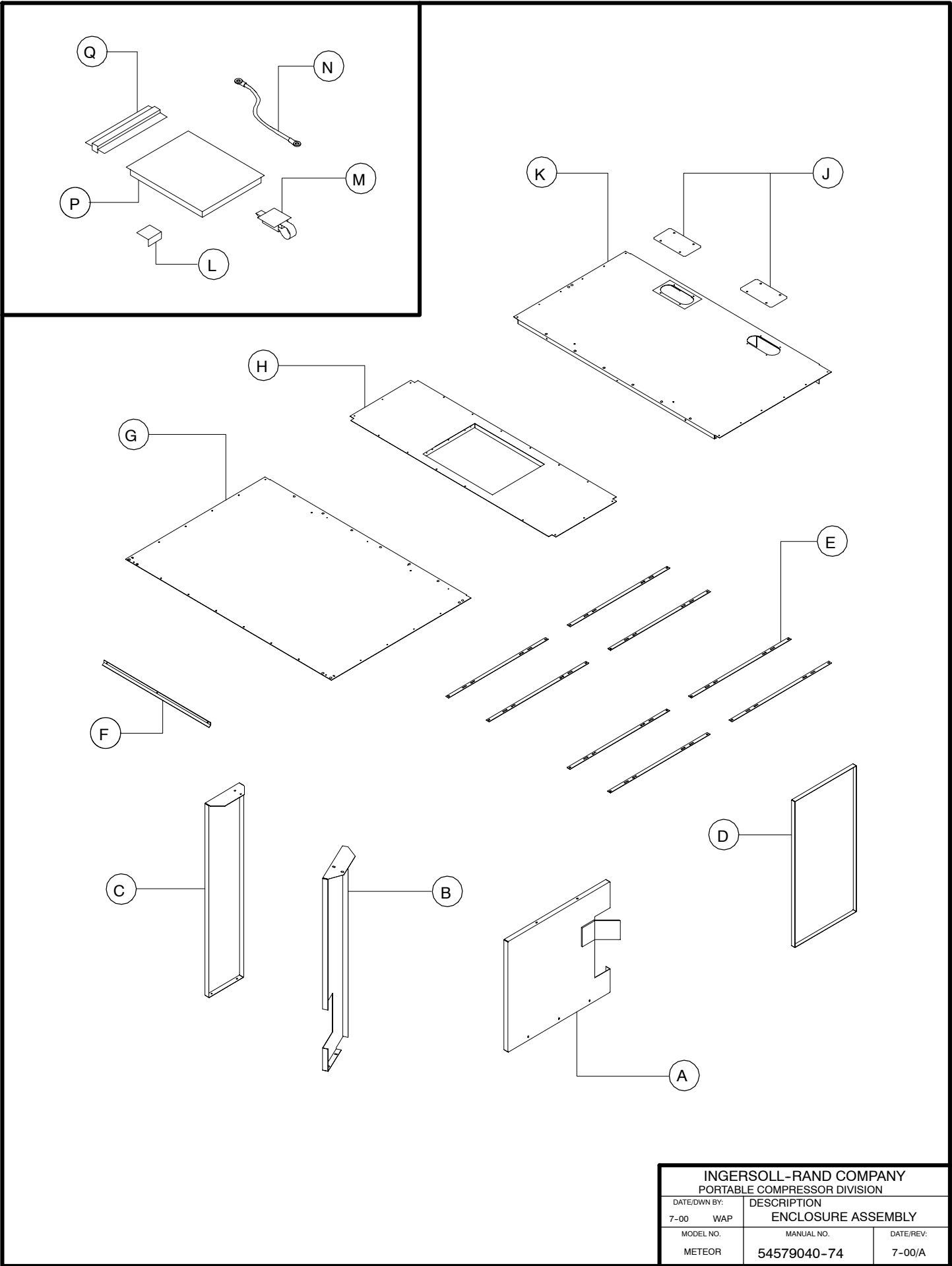
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION ENCLOSURE ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-71	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	ENCLOSURE ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-72	7-00/A

(A)	36894533	RAIL , L.H. TOP
(B)	36894525	RAIL , L.H. LONG
(C)	36894392	RAIL , REAR TOP
(D)	36894533	RAIL , R.H. REAR
(E)	36894525	RAIL , R.H. LONG
(F)	36894483	RAIL , FRONT TOP
(G)	36755742	STRIP , CONNECTOR

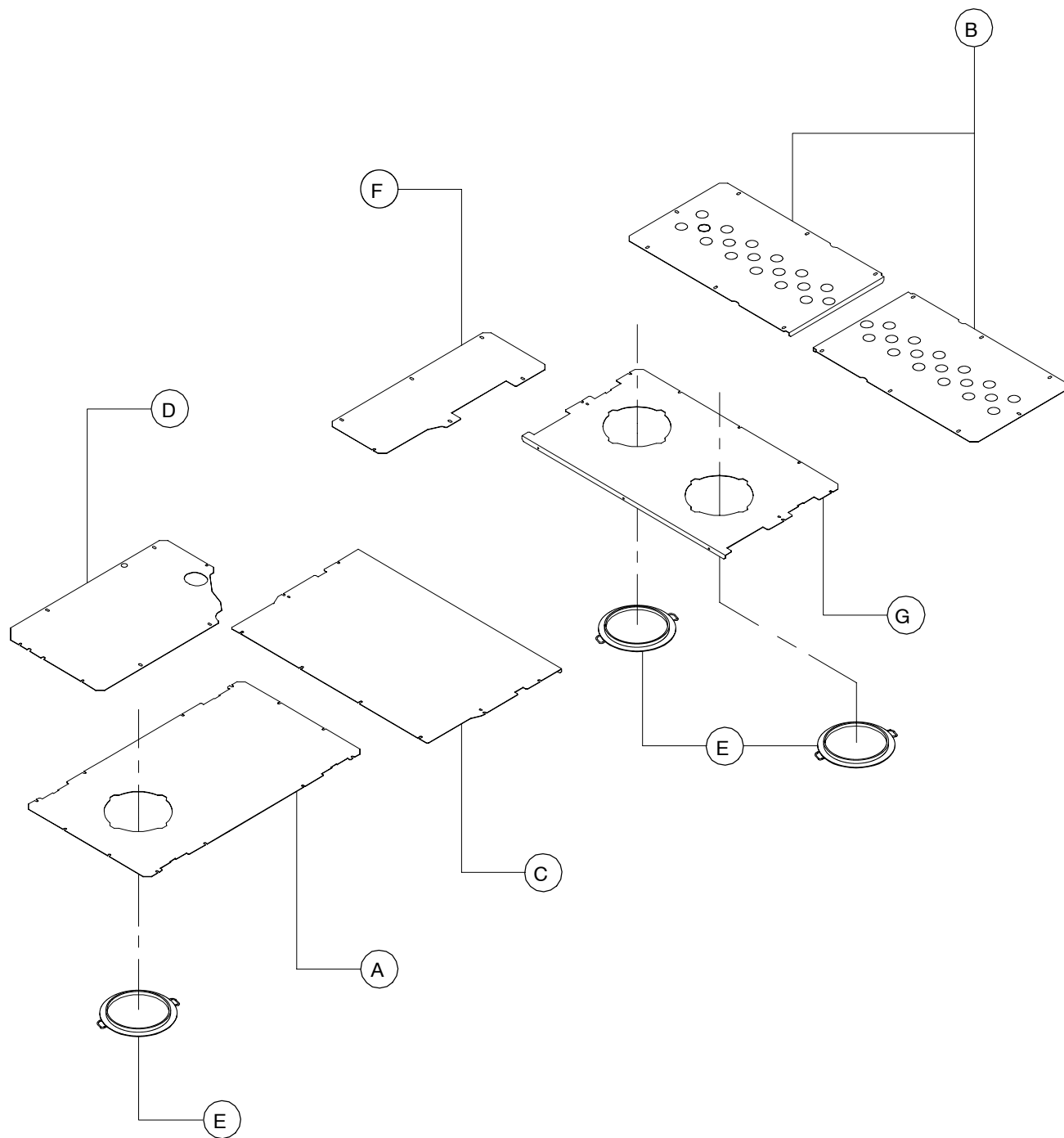
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION ENCLOSURE ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-73	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	ENCLOSURE ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-74	7-00/A

(A)	36894558	BAFFLE , L.H. INTAKE
(B)	36894574	BAFFLE , R.H. INSIDE INTAKE
(C)	36894566	BAFFLE , R.H. INTAKE
(D)	36894541	BAFFLE , EXHAUST
(E)	36883421	RETAINER , ROOF (8 REQD)
(F)	36894582	GUTTER (4 REQD)
(G)	36894491	PANEL , FRONT ROOF
(H)	36894509	PANEL , MIDDLE ROOF
(J)	36879104	COVER , COOLER
(K)	36894517	PANEL , REAR ROOF
(L)	35305416	PLATE , STRIKER
(M)	35131051	LATCH , DOOR
(N)	36771186	CABLE
(P)	36798635	DOOR , ROOF
(Q)	36756773	HINGE

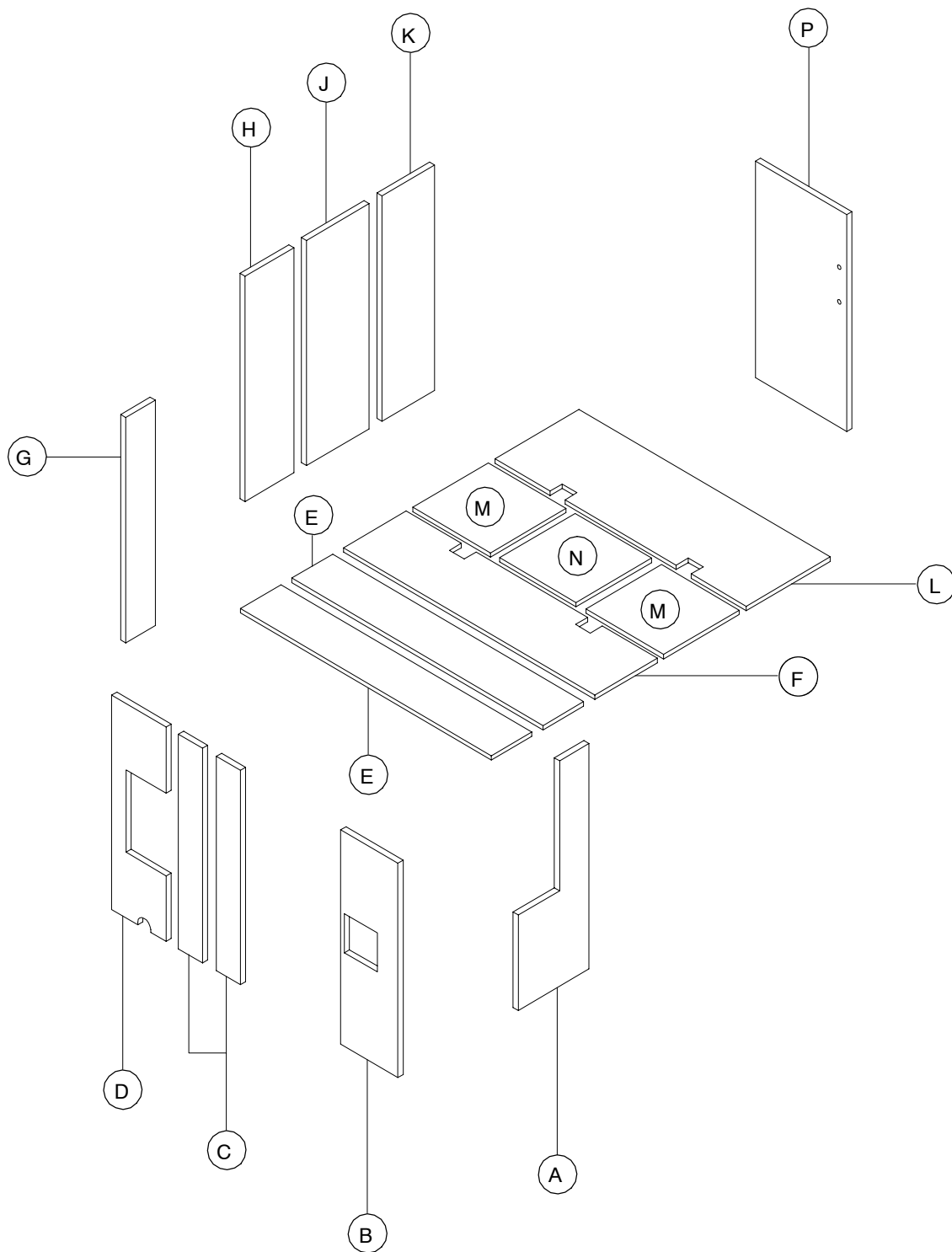
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION ENCLOSURE ASSEMBLY	
MODEL NO. METEOR	MANUAL NO. 54579040-75	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	BELLY PANS	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-76	7-00/A

(A)	36895555	PAN , A/E FRONT BELLY
(B)	36895621	PAN , EXHAUST BELLY
(C)	36895597	PAN , ENGINE FRONT BELLY
(D)	36895571	PAN , R.H. FRONT BELLY
(E)	36880623	COVER , FLEX
(F)	36895589	PAN , R.H. MIDDLE BELLY
(G)	36895605	PAN , ENGINE REAR BELLY

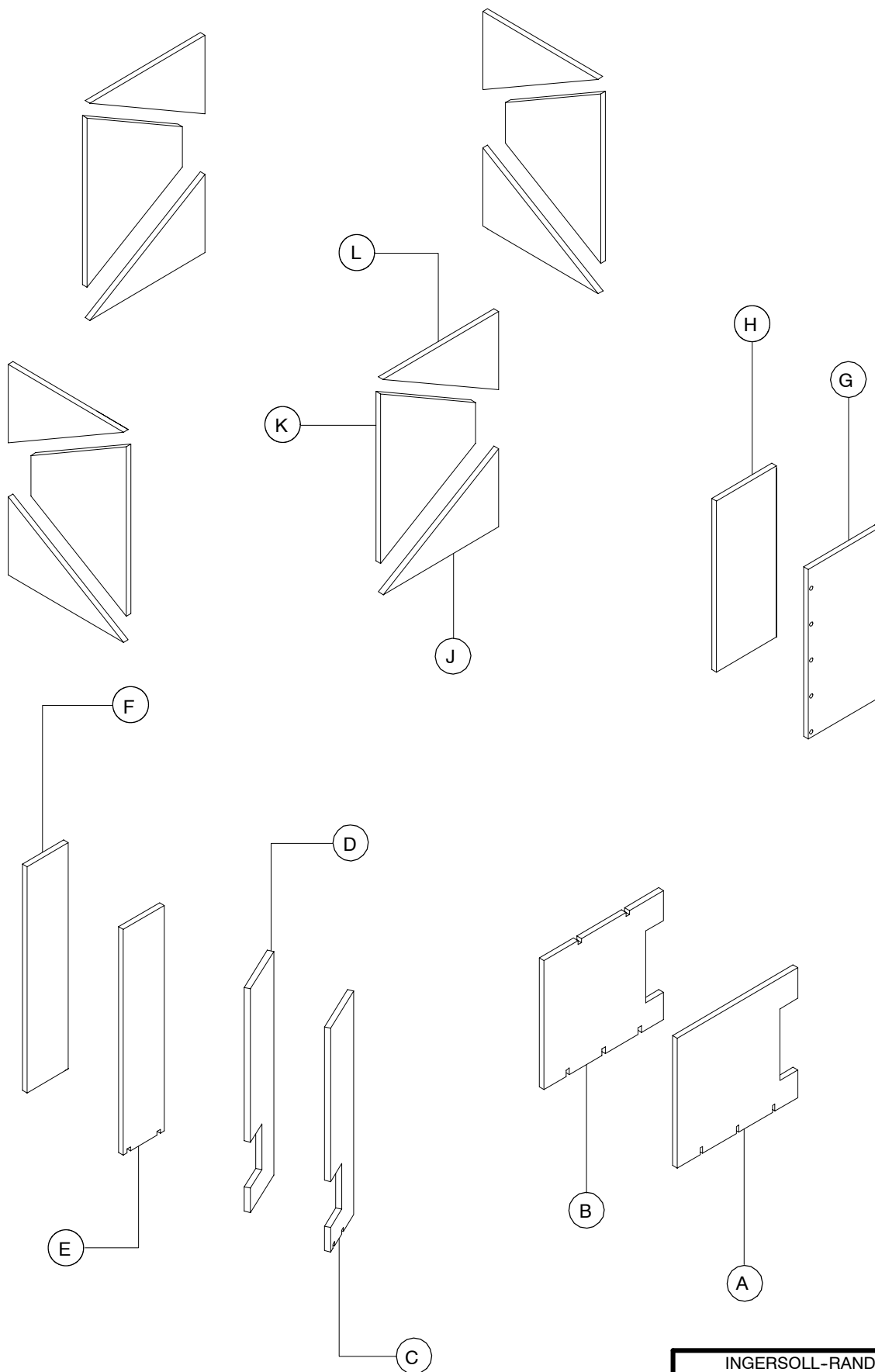
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION BELLY PANS	
MODEL NO. METEOR	MANUAL NO. 54579040-77	DATE/REV: 7-00/A



INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	ACOUSTIC PANELS	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-78	7-00/A

(A)	36894947	PANEL , L.H. FRONT
(B)	36894871	PANEL , L.H. FRONT ENDCAP
(C)	36894889	PANEL , R.H. FRONT ENDCAP
(D)	36894897	PANEL , R.H. FRONT ENDCAP
(E)	36894954	PANEL , FRONT ROOF
(F)	36894962	PANEL , MIDDLE ROOF
(G)	36894905	PANEL , R.H. FRONT
(H)	36894939	PANEL , R.H. SIDE
(J)	36894921	PANEL , R.H. MIDDLE
(K)	36894913	PANEL , R.H. REAR
(L)	36894988	PANEL , REAR ROOF
(M)	36894970	PANEL , R.H. & L.H. ROOF
(N)	36846822	PANEL , ROOF DOOR
(P)	36894996	PANEL , REAR ENDCAP

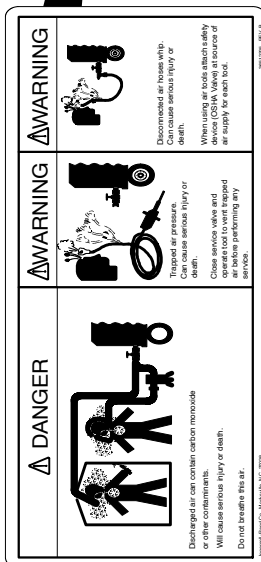
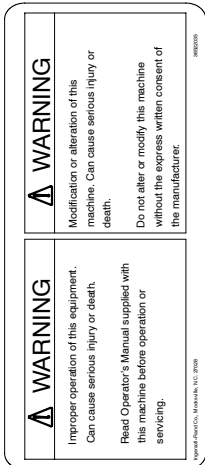
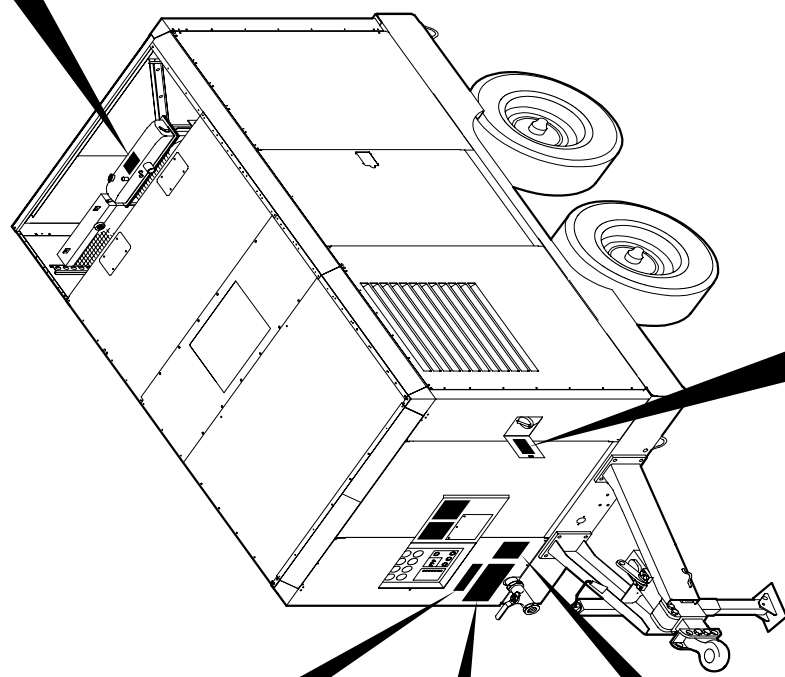
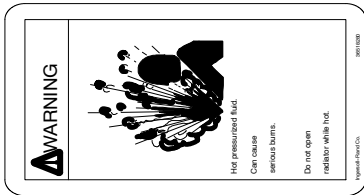
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION ACOUSTIC PANELS	
MODEL NO. METEOR	MANUAL NO. 54579040-79	DATE/REV. 7-00/A



INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	ACOUSTIC PANELS	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-80	7-00/A

(A)	36895035	PANEL , OUTSIDE BAFFLE
(B)	36895027	PANEL , INSIDE BAFFLE
(C)	36895019	PANEL , L.H. INTAKE
(D)	36895001	PANEL , R.H INTAKE
(E)	36895050	PANEL , R.H. INTAKE BAFFLE
(F)	36895043	PANEL , R.H. INTAKE BAFFLE
(G)	36894855	PANEL , L.H. EXHAUST BAFFLE
(H)	36894863	PANEL , R.H. EXHAUST BAFFLE
(J)	36854040	PANEL , DOOR BOTTOM
(K)	36854065	PANEL , DOOR MIDDLE
(L)	36854024	PANEL , DOOR TOP

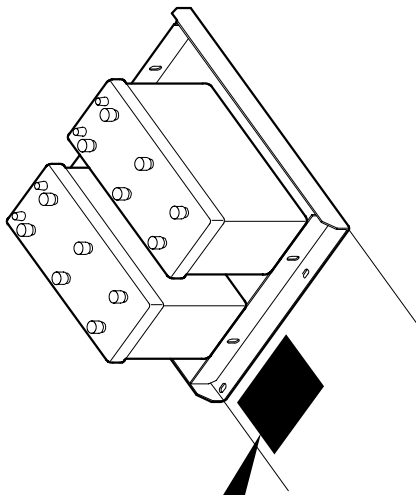
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION ACOUSTIC PANELS	
MODEL NO. METEOR	MANUAL NO. 54579040-81	DATE/REV: 7-00/A



36516474 — NOISE EMISSION DECAL

36516474 — DIESEL FUEL DECAL

INGERSOLL-RAND COMPANY				
PORTABLE COMPRESSOR DIVISION				
CATALOG	WAP	DECAL LOCATION		DATE FILED
7-00				
MODEL NO.		MANUAL NO.		
METER NO.	54579040-82			7-00A

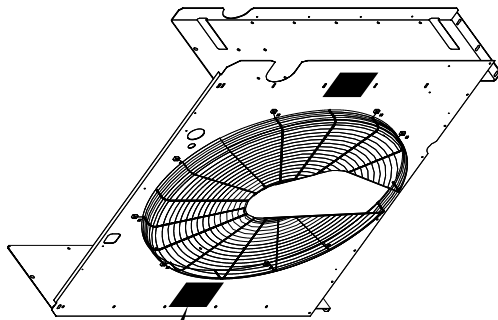


WARNING

Combustible gas.
Can cause
serious burns,
blindness or death.

Keep sparks and
open flames away
from batteries.

36518108
Ingersoll-Rand Co.

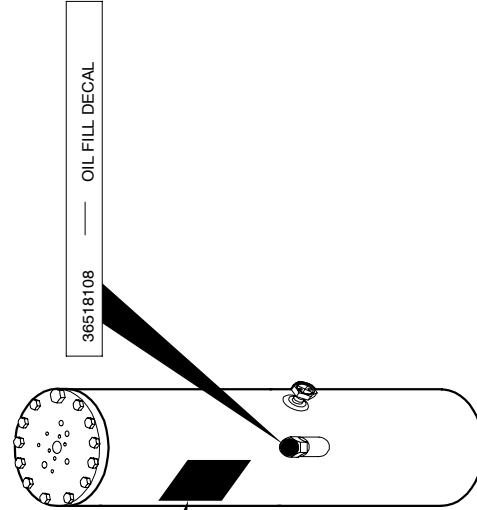


WARNING

Rotating fan blade.
Can cause serious injury.

Do not operate without guard
in place.

36533479
Ingersoll-Rand Co., Mooresville, NC 27038

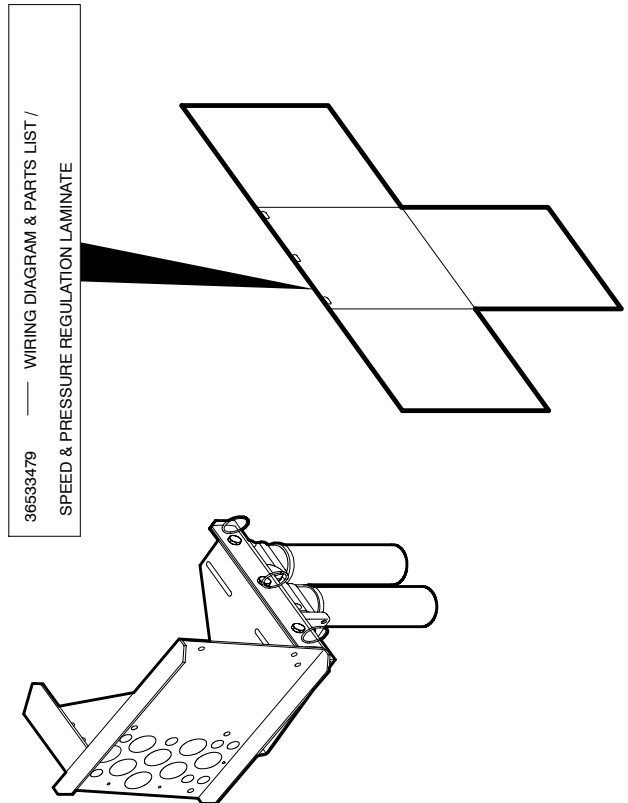


WARNING

High pressure air.
Can cause serious injury
or death.

Relieve pressure before
removing filler plugs/caps,
fittings or covers.

36518108
Ingersoll-Rand Co., Mooresville, NC 27038



INGERSOLL-RAND COMPANY			
PORTABLE COMPRESSOR DIVISION			
CATALOG	DESCRIPTION	DECAL LOCATION	
7-00	WAP		
MODEL NO.	MANUAL NO.	DATE REV.	
METER NO.	54579040-84	7-00A	

START
SWITCH
S3 N.O.

P1-2

YEL/BLU

START
PROTECT
SWITCH
S7 N.C.

P1-3

START
SWITCH
S3 N.O.

YEL/RED

PUSH TO
LOAD SW
S16 N.C.

DK BLU/ORN

HEATER
SWITCH
S11

RED/BLK

P1-10

RED/BLK

ETHER
INJECT
SWITCH
S10 N.O.

RED/WHT

P1-21

RED/WHT

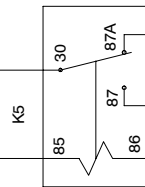


SS SW

START/RUN
SOL VALVE

P1-6

DIODE
D5



K5



K3

REGULATOR
HEATER

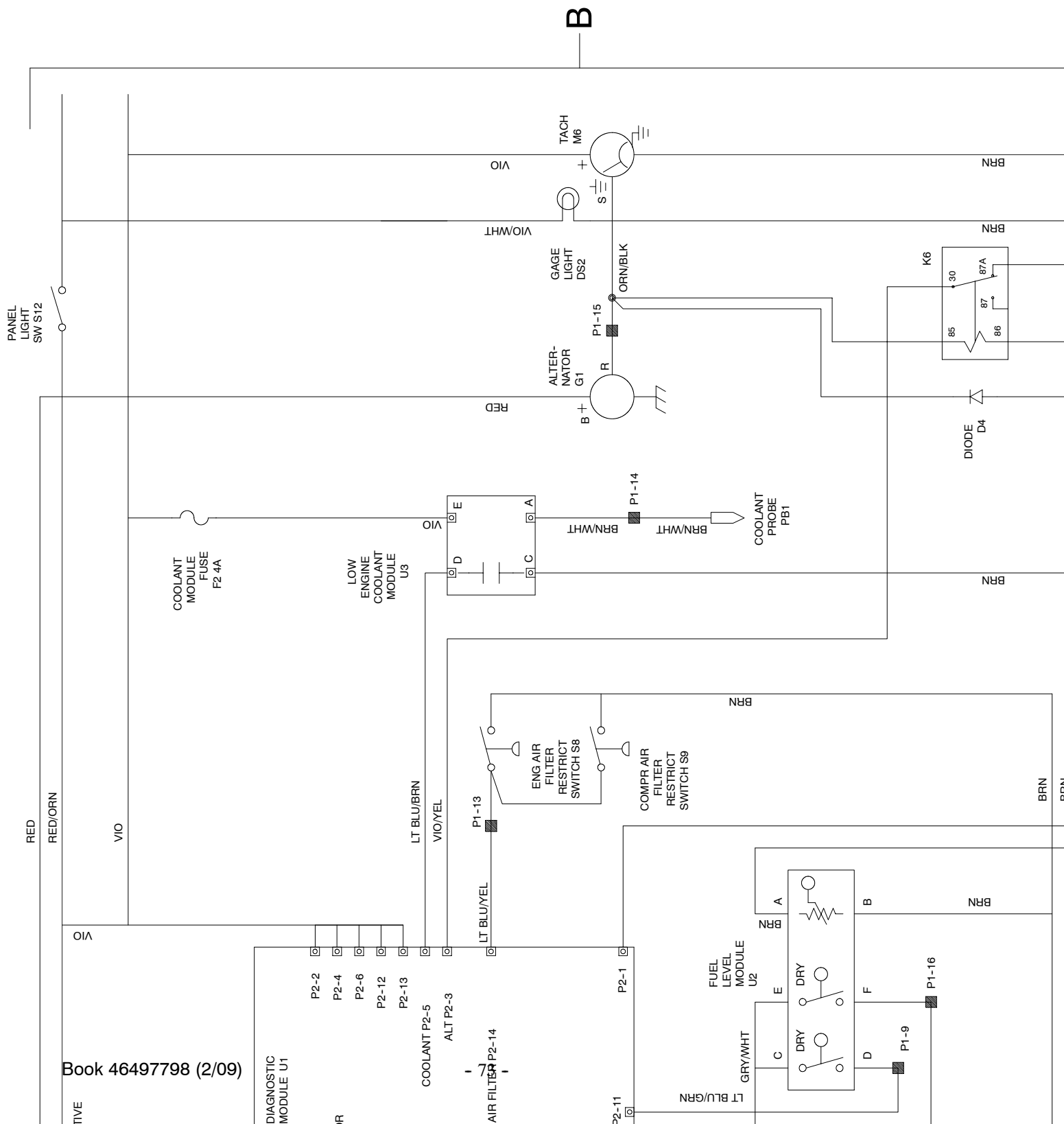
BRN

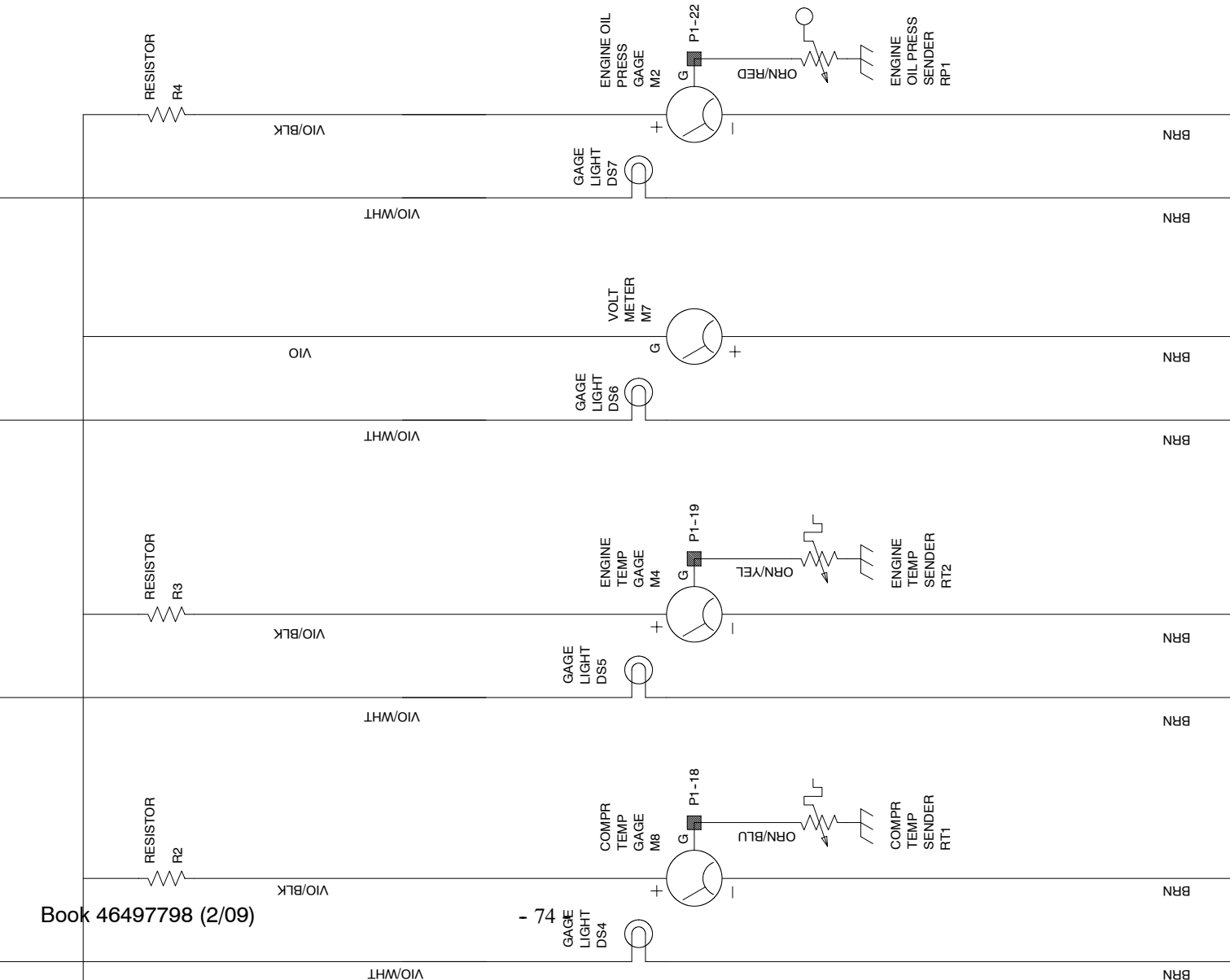
BRN

ETHER
INJECT

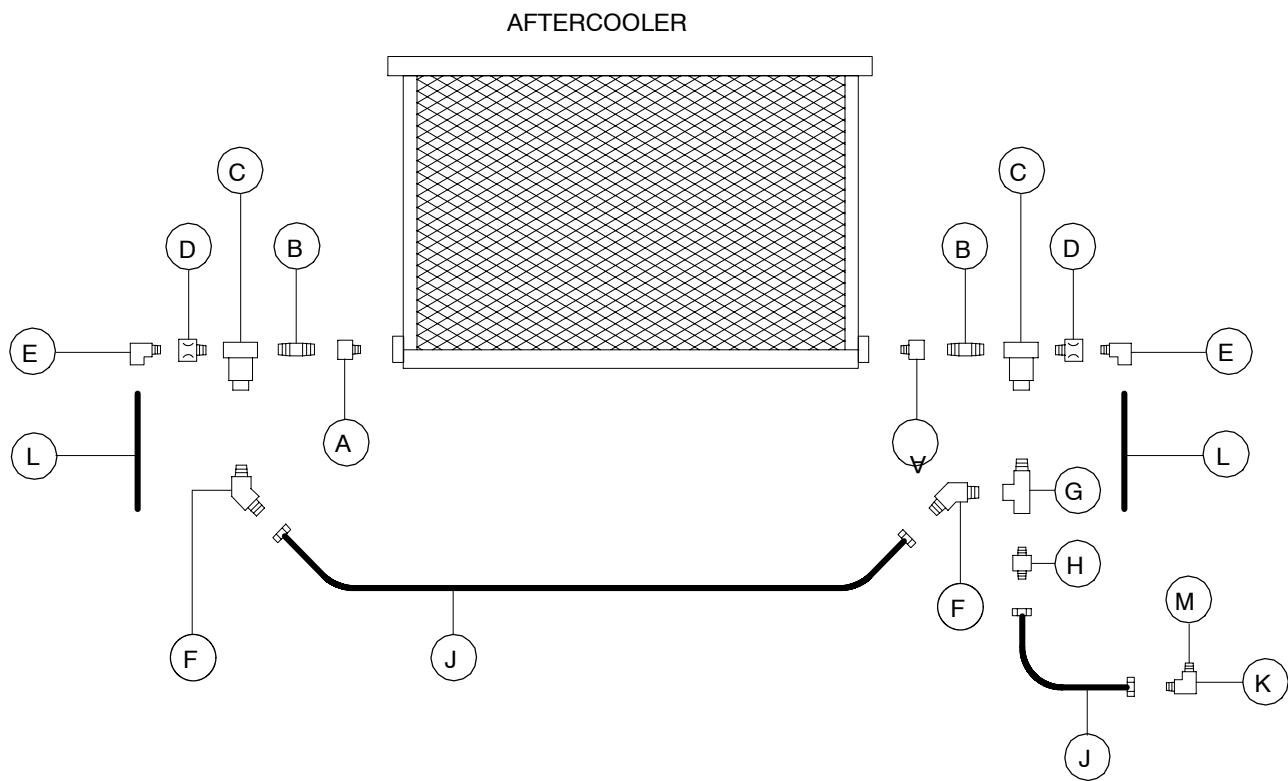
BRN

A





DS6	36842128	BULB	S5	36878379	12 PSI PRESSURE SWITCH	
DS7	36842128	BULB	S6	35371673	215 ° TEMPERATURE SWITCH	(CUMMINS)
U1	36771434	DIAGNOSTIC MODULE		35327691	220 ° TEMPERATURE SWITCH	(CAT)
S1	35337435	POWER SWITCH	RP1	36870608	150 PSI PRESSURE SENDER	
S12	35337435	LIGHT SWITCH	RT2	35604180	300 ° TEMPERATURE SENDER	
S3	35255553	START SWITCH	K1	35577873	24 VOLT MAG. SWITCH	
S2	35255561	BY-PASS SWITCH	L3	36840841	24 VOLT SOLENOID	
S16	35255561	SERVICE AIR SWITCH	L4	36881944	24 VOLT SOLENOID	
S7	36757573	20 PSI PRESSURE SWITCH	BT1	36793545	4D BATTERY	
TS1	36865756	248 ° TEMPERATURE SWITCH	BT2	36793545	4D BATTERY	
S4	36865756	DISCHARGE PIPE SWITCH	D1-D2-D3	35376169	DIODE	
PB1	35356799	LOW WATER PROBE				
U2	36893949	FUEL LEVEL SENDER				
S9	36847838	ENGINE RESTRICTION SWITCH				
S8	36847838	A / E RESTRICTION SWITCH				
RT1	35367218	300 ° TEMPERATURE SENDER				
	36891448	ENGINE / AIR END WIRING HARNESS				(CUMMINS)
S15	36899359	ENGINE / AIR END WIRING HARNESS				(CAT)
	36843423	25 PSI PRESSURE SWITCH				



INGERSOLL-RAND COMPANY		
PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7-00 WAP	IQ AFTRECOOLER PIPING	
MODEL NO.	MANUAL NO.	DATE/REV:
METEOR	54579040-OP13	7-00/A

(A)	95929998	BUSHING
(B)	95667341	NIPPLE
(C)	35322379	VALVE , BLOWDOWN
(D)	35322346	ORIFICE
(E)	35369354	ELBOW
(F)	35321223	ELBOW , 45
(G)	35114545	TEE , STREET
(H)	35283472	CONNECTOR
(J)	35283498	HOSE
(K)	95365094	ELBOW
(L)	35356484	TUBE , NYLON
(M)	TO AIR END INTAKE	

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7-00 WAP	DESCRIPTION IQ AFTERCOOLER PIPING	
MODEL NO. METEOR	MANUAL NO. 54579040-OP14	DATE/REV: 7-00/A

TEST PROCEDURE

EQUIPMENT/TOOLS REQUIRED:

- ADJUSTABLE WRENCH
- SMALL (MID-0) CROSS-HEAD AND FLAT BLADE SCREWDRIVERS
- VOLTMETER WITH 6-FOOT LONG LEADS
- SPRT SWITCH WITH MALE AND FEMALE 1/4 QUICK-CONNECT TERMINAL LEADS
- 10MM DEEP SOCKET
- #9/32 INCH SOCKET

1. COMPLETE THE INSTALLATION USING INSTRUCTIONS ON SHEET 2.

BE CAREFUL - DO NOT OVERTIGHTEN OR STRIP THE ADJUST POTS - THEY TURN EASILY.

- > SET LARGE SWITCH (INSIDE AUTOSTART BOX) TO MANUAL.
- > SET SMALL SWITCH (INSIDE) TO OFF.
- > TEMPORARILY MOVE WIRE ON INPUT 14 (TERM 14) TO INPUT 8 (TERM 19).
- > ADJUST POT 7 FULLY COUNTER-CLOCKWISE.
- > ADJUST POT 8 FULLY CLOCKWISE.

2. UNPLUG EXTERNAL WIRE LEADS #8 AND #9 FROM EACH OTHER AND CONNECT THEM TO A TEMPORARY SPRT SWITCH AS THE REMOTE START SWITCH. LEAVE SWITCH IN OFF (OPEN) POSITION.

3. TURN ON POWER SWITCH ON THE COMPRESSOR PANEL.

- > VERIFY NORMAL COMPRESSOR OPERATION FROM THE FRONT PANEL (AS WITHOUT AUTOSTART), INCLUDING HEATER CIRCUIT. "AUTO-MODE" LIGHT ON FRONT OF COMPRESSOR SHOULD BE OFF.
- > TURN UNIT OFF.

4. DISCONNECT THE POWER WIRE (BROWN) FROM THE FUEL SOLENOID.

5. SET AND VERIFY CRANK DISCONNECT, OVERCRANK, TIMES

CRANK DISCONNECT

- > CONNECT A TEST LIGHT OR METER ACROSS THE ETHER VALVE FOR MONITORING.

- > PRE-SET CRANK DISCONNECT POT 6 TO FULLY CLOCKWISE.

TURN ON POWER SWITCH.

- > SET LARGE SWITCH (INSIDE AUTOSTART BOX) TO AUTOMATIC.
- > SET SMALL SWITCH (INSIDE) TO TEST.

- > WHEN ENGINE CRANKS, SLOWLY TURN POT 6 COUNTER-CLOCKWISE UNTIL ENGINE STOPS CRANKING.

- > DO THIS AND NEXT 2 STEPS QUICKLY WITHIN 8 SECONDS (DO THIS AND NEXT 2 STEPS QUICKLY WITHIN 8 SECONDS)

- > TURN POT 6 CLOCKWISE 18 TO 14 TURN.

THE CRANK DISCONNECT IS NOW SET. SET THE SMALL SWITCH TO "OFF" AND THEN BACK TO "TEST". THIS WILL ACCEPT THE CHANGE AND ALLOW YOU TO CONTINUE WITH THE NEXT STEP.

- > VERIFY ENGINE CRANKS FOR 4-12 SECONDS. THEN CRANK DISCONNECT IS CORRECTLY SET.

- (4-30 SECOND RANGE. ADJUST POT 2 ABOUT 1/4 TURN)

OVERCRANK AND CRANK/REST TIME

- > VERIFY REST TIME BETWEEN CRANKS IS 20-30 SECONDS (10-40 INCHES. ADJUST POT 3 TO MIDDLE).

- > VERIFY ETHER INJECTION IS POWERED (24 VDC) FOR 1-3 SECONDS ON EACH CRANK BY OBSERVING TEST LAMP OR METER.

- > VERIFY MACHINE CRANKS FOR THREE CYCLES (1-3 CRANKS. ADJUST POT 4 TO MIDDLE).

- > VERIFY AN OVERCRANK ALARM AFTER 3 CRANKS.

OVERCRANK WILL CAUSE A LIGHT ON OUTPUT 2 AND A CONSTANT ALARM. RESET UNIT BY SWITCHING TO MANUAL OR OFF ON ANY ONE OF THE SWITCHES.

6. TURN SWITCHES OFF; RECONNECT FUEL SOLENOID. REMOVE ETHER LAMP OR METER.

7. VERIFY CHARGER OPERATION

- > PLUG IN BATTERY CHARGER.
- > VERIFY BATTERY CHARGER IS CHARGING BY OBSERVING CURRENT ON METER.

8. OPERATION

- > CONNECT A TEST LIGHT OR METER ACROSS THE UNLOADER VALVE SOLENOID FOR MONITORING.

TURN ON POWER SWITCH.

- > SET LARGE SWITCH (INSIDE AUTOS START BOX) TO AUTOMATIC.

- > SET SMALL SWITCH (INSIDE) TO AUTO.

- > VERIFY "AUTO-MODE" LIGHT ON FRONT OF COMPRESSOR IS ON.

- > TURN HEATER ACCESSORY SWITCH ON COMPRESSOR PANEL TO ON.
- > VERIFY UNLOADER VALVE HEATER IS OFF 6 VDC BY FEELING HEATER ON VALVE.

- > CONNECT REMOTE START SWITCH WIRES #8 AND #9 OR SET REMOTE REMOTE START SWITCH TO ON.

9. CHANKING

- > VERIFY 10 SECOND PRE-ALARM DELAY IS ON/OFF PULSES BEFORE CRANK.

- > VERIFY UNLOADER VALVE IS NOT POWERED BY OBSERVING TEST LIGHT OR METER.

10. ENGINE STARTS

ENGINE STARTS

- > VERIFY STARTER DISCONNECTS.

- AFTER BYPASS TIME DELAY OF 15-18 SECONDS (0-40 RANGE. ADJUST POT 5 ABOUT 1/8 TURN).

NOTE: IF ENGINE DOES NOT CATCH, TURN POT 6 1/4 TURN COUNTERWISE AND RETRY. YOU MUST TURN THE SMALL SWITCH TO "OFF" AND BACK TO "AUTO" TO ACCEPT THE ADJUSTMENT TO POT 6.

REPEAT THIS PROCEDURE UNTIL ENGINE CATCHES.

- > VERIFY UNLOADER VALVE IS ON BY OBSERVING TEST LIGHT OR METER.

- > VERIFY UNLOADER VALVE HEATER IS ON BY FEEL OF HEAT.

11. ENGINE RUNNING

- > VERIFY WARMUP DELAY OF 30-70 SECONDS. THEN COMPRESSOR LOADS (0-10 MINUTE RANGE IN SECOND INCREMENTS. SET SECONDS ON ADJUST POT 7. SET MINUTES ON INPUTS 8 TO 10).

- > SET LARGE SWITCH (INSIDE AUTOS START BOX) TO AUTOMATIC.

- > SET SMALL SWITCH (INSIDE) TO AUTO.

- > VERIFY "AUTO-MODE" LIGHT ON FRONT OF COMPRESSOR IS ON.

- > TURN HEATER ACCESSORY SWITCH ON COMPRESSOR PANEL TO ON.

12. SHUTDOWN

- > DISCONNECT REMOTE START SWITCH WIRES #8 AND #9 OR SET REMOTE START SWITCH TO OFF.

- > SET AND VERIFY COOLDOWN DELAY OF 4-5 MINUTES BEFORE SHUTDOWN.

- AFTER 5 MINUTES SLOWLY ADJUST POT 8 COUNTER-CLOCKWISE UNTIL ENGINE STOPS.

- (0-30 RANGE. ADJUST POT 8)

13. FINAL SETTINGS

- > TURN POWER SWITCH OFF.

- > SET LARGE SWITCH (INSIDE AUTOS START BOX) TO MANUAL.

- > SET SMALL SWITCH (INSIDE) TO OFF.

- > RECONNECT THE WIRE CONNECTED TO INPUT 8 (TERM 10) TO INPUT 12 (TERM 14).

- (THIS SETS WARMUP DELAY TO 5 MINUTES).

- > DISCONNECT (UNPLUG) REMOTE START SWITCH FROM WIRES #8 AND #9.

- > TURN HEATER ACCESSORY SWITCH TO OFF.

14. MANUAL OPERATION

- > VERIFY NORMAL COMPRESSOR OPERATION WITHOUT AUTOSTART ENABLED.

INGERSOLL-RAND COMPANY			
PORTABLE COMPRESSOR DIVISION		DESCRIPTION	
CATALOG #	7-00	WMP	INSTALLATION TEST PROCEDURE (AUTOSTART)
MANUAL #			CONFIRM #
METER #	AUTOS-1		
			7-001A

THIS SYSTEM IS DESIGNED TO WORK WITH THE STANDARD MANUAL CONTROLS ON THE PORTABLE COMPRESSOR AND DOES NOT REQUIRE ANY ADDITIONAL PARTS IN THE MANUAL CONTROL PANEL. THE WIRING WILL BE CONNECTED BY PLUGGING THE PANEL WIRE HARNESS INTO THE CONTROL PANEL CABLE CONNECTOR, CONNECTING 2 WIRES FROM THE AUTOSTART CONTROLLER WIRE HARNESS INSIDE THE CONTROL PANEL, ATTACHING 2 WIRES IN THE MAGNETIC PICKUP CABLE TO THE TERMINALS ON THE MAGNETIC PICKUP, CONNECTING 2 WIRES TO THE AUTO MODE LIGHT, AND THE BATTERY CHARGER.

CONNECTING

THE CONTROL PACKAGE INCLUDES THE FOLLOWING PARTS:

- (1) AUTOSTART CONTROLLER MOUNTED IN A NEMA 3 ENCLOSURE WITH INSTALLATION WIRE HARNESS.
- (1) MAGNETIC PICKUP ASSEMBLY (MAGNETIC PICKUP WITH RUBBER TERMINAL COVER BOOT).
- (1) AUTO MODE LIGHT AND NOTICE DECAL THAT MACHINE CAN START UNEXPECTEDLY.
- (1) BATTERY CHARGER.
- (1) CHARGER WIRING HARNESS.
- (1) CHARGER RELAY.
- (1) AUTO START DECAL.
- (1) OPERATING INSTRUCTION DECAL.
- (1) INSTALLATION AND OPERATING MANUAL.
- (1) WIRING DIAGRAM.

AFTER OPENING THE PACKAGE, INSPECT THE CONTENTS TO INSURE THAT ALL OF THE COMPONENTS ARE INCLUDED AND NO DAMAGE HAS OCCURRED DURING SHIPPING. IF ANY OF THE COMPONENTS ARE DAMAGED, ADVISE THE SHIPPER AT ONCE.

INSTALLATION:

AFTER IDENTIFYING EACH PART, THE INSTALLATION CAN BEGIN.

1. DISCONNECT THE LOAD FROM THE COMPRESSOR AND STOP THE ENGINE BY TURNING THE POWER SWITCH TO THE OFF POSITION.
2. OPEN ENCLOSURE SIDE DOORS AND DISCONNECT THE BATTERY CABLES.
3. MOUNT THE AUTOSTART CONTROLLER.
4. MOUNT THE AUTO MODE LIGHT AND AUTO MODE NOTICE DECAL ABOVE THE COMPRESSOR CONTROL PANEL.
5. MOUNT AN AUTOSTART DECAL ABOVE EACH COMPRESSOR DOOR LATCH.
6. MOUNT THE OPERATING INSTRUCTIONS DECAL OUTSIDE OF THE COMPRESSOR CONTROL PANEL DOOR.
7. LOCATE THE HEX HEAD PLUG WITH THE SCREW DRIVER SLOT IN THE ENGINE FLYWHEEL HOUSING AND REMOVE IT FROM THE ENGINE.
8. REMOVE THE MAGNETIC PICKUP FROM THE PACKAGE. REMOVE THE RUBBER BOOT FROM THE PICKUP BY TWISTING AND PULLING IT OFF. RUN THE LOCKNUT UP THE MAGNETIC PICKUP TOWARD THE TERMINAL HEAD AS FAR AS IT WILL GO.

9. THREAD THE PICKUP INTO THE FLYWHEEL HOUSING UNTIL IT STOPS IN CONTACT WITH THE TEETH ON THE RING GEAR. (YOU MAY HAVE TO BUMP-CRANK THE ENGINE THEN FEEL WITH YOUR FINGER TO ENSURE A TOOTH IS DIRECTLY BELOW THE PICKUP HOLE.) NOTE THE POSITION OF THE TERMINAL STUDS ON TOP OF THE PICKUP AND ROTATE THE PICKUP COUNTERCLOCKWISE 1/4 TURN. THIS SETS THE AIR GAP BETWEEN THE RING GEAR TEETH AND THE PICKUP AT .015". HOLD THE PICKUP IN THAT POSITION AND RUN THE LOCKNUT DOWN UNTIL IT CONTACTS THE SURFACE OF THE FLYWHEEL HOUSING. TIGHTEN THE LOCKNUT SECURELY WITH AN OPEN END WRENCH.
- CAUTION: BE SURE THE PICKUP DOES NOT ROTATE. DAMAGE WILL OCCUR IF THE PICKUP CONTACTS THE RING GEAR TEETH WHILE ENGINE IS RUNNING.

10. RUN THE SMALL 2-WIRE CABLE FROM THE AUTOSTART CONTROLLER TO THE MAGNETIC PICKUP. ROUTING IT SO IT CAN BE SECURED WITH WIRE TIES FOR SUPPORT. THIS IS THE WIRING FOR THE MAGNETIC PICKUP.
11. THREAD THE TWO WIRES THROUGH THE SMALL HOLE IN THE MAGNETIC PICKUP RUBBER BOOT AND CONNECT THEM TO THE TERMINAL STUDS ON THE PICKUP. CONNECT THE RED WIRE TO THE (+) TERMINAL AND THE BLACK WIRE TO THE (-) TERMINAL. PUSH THE BOOT DOWN OVER THE TERMINAL HEAD UNTIL IT LOCKS IN PLACE AND WILL NOT COME OFF WITH LIGHT PULLING FORCE.
12. RUN THE REMAINING CABLE FROM AUTOSTART CONTROLLER TO THE CONTROL PANEL ALONG AN AREA WHERE IT CAN BE TIED DOWN AND SUPPORTED TO PREVENT VIBRATION AND CHAFING OF THE HARNESS COVERING.
13. DISCONNECT THE CHASSIS WIRE HARNESS CONNECTOR FROM THE CONTROL PANEL CONNECTOR AND PLUG IN BOTH ENDS OF THE CABLE FROM THE AUTOSTART CONTROLLER.

14. WIRES 54 & 55 WILL BE CONNECTED INSIDE OF THE CONTROL PANEL TO THE LOAD SWITCH. S-16. ROUTE THE 2-WIRE HARNESS INTO THE CONTROL PANEL.
15. REMOVE THE BLU/ORN WIRE FROM S-16 AND PLUG THE MALE BLADE TERMINAL FROM THE AUTOSTART CABLE INTO THE BLU/ORN CONNECTOR.

16. CONNECT THE FEMALE TERMINAL TO THE VACANT CONTACT ON S-16 SWITCH.
17. WIRES 41 & 48 WILL OF CONNECTED TO THE AUTO MODE LIGHT MOUNTED ABOVE THE CONTROL PANEL.

18. CONNECT THE GREEN GROUND WIRE TO THE ENGINE STARTER NEGATIVE GROUND POINT.
19. MOUNT THE BATTERY CHARGER.

20. CONNECT THE CHARGER HARNESS SMALL RED LUG TO THE CHARGER (+) TERMINAL, AND BLACK LUG TO THE (-) TERMINAL.

21. PLUG THE CHARGER RELAY INTO THE HARNESS AND MOUNT THE RELAY.

22. CONNECT THE GRAY HARNESS WIRE TO THE ENGINE FUEL SOLENOID TERMINAL.
23. CONNECT THE HARNESS LARGE RED LUG TO THE BATTERY (+) TERMINAL, AND THE BLACK LUG TO THE BATTERY (-) GROUND TERMINAL.

24. THE INSTALLATION IS NOW COMPLETE. BEFORE PROCEEDING, DOUBLE CHECK ALL WIRE CONNECTIONS TO BE SURE THAT THEY ARE IN THE CORRECT LOCATION AND TIGHTENED. CHECK ALL MOUNTING NUTS AND BOLTS TO BE SURE THEY ARE SECURELY TIGHT, INCLUDING THE LOCKNUT ON THE MAGNETIC PICKUP.

INGERSOLL-RAND COMPANY			
PORTABLE COMPRESSOR DIVISION		DESCRIPTION	
CATALOG#	WMP	INSTALLATION & TEST PROCEDURE (A-F) (REV) 1	CONFIRM#
MODEL NO.	7-00	MANUAL NO.	
METER OR		AUTOS-2	7-001A

NOTES:

1. INTERPRET DIMENSIONING AND TOLERANCING
IAW ASME Y14.5M - 1994

3. SPECIFICATIONS, INCLUDING THOSE PERTAINING TO FORM, FIT, FUNCTION, FINISH, RELIABILITY OR DURABILITY, SHALL BE EQUAL TO OR BETTER THAN THOSE REQUIRED FOR THE ORIGINAL ITEM APPROVED BY INGERSOLL-RAND COMPANY.

4. SPECIFICATIONS:

4.1 LOCATION OF CONTROLS AND COMPRESSOR INTERFACE

THE AUTOSTART/STOP CONTROLS (ASSC) SHOULD BE LOCATED NEXT TO THE COMPRESSOR MAIN CONTROL PANEL, AND INTERFACE CONNECTIONS SHOULD BE MADE BY UTILIZING THE EXISTING HARNESS CONNECTORS AS PICKUP POINTS. ASSC MATING CONNECTORS OR TERMINALS MUST BE COMPATIBLE WITH EXISTING COMPRESSOR CONNECTORS.

4.2 PHYSICAL AND ENVIRONMENTAL DESIGN

THE ASSC MUST BE SUITABLE FOR OPERATION IN A DIESEL ENGINE COMPARTMENT FROM -20F TO +140F AMBIENT TEMPERATURE.

THE ASSC MUST BE HOUSED IN A NEMA 12 ENCLOSURE THAT CAN BE READILY OPENED AND CLOSED. ANY OMS, MOS, OR OTHER ELECTRONIC OR SENSITIVE COMPONENTS MUST BE CONFORMALLY COATED OR OTHERWISE PROTECTED FROM AIRBORNE CONTAMINANTS AND HUMIDITY.

REFER TO THE LAYOUT DRAWING FOR PHYSICAL DIMENSIONS, MOUNTING, AND WIRING REQUIREMENTS.

4.3 CIRCUIT PROTECTION

THE ASSC MUST BE PROTECTED BY AN OVERCURRENT DEVICE.

4.4 OPERATION SEQUENCE - AUTOMATIC MODE

WHEN THE SELECTOR SWITCH INSIDE THE ASSC BOX IS TURNED TO THE "AUTOMATIC" POSITION AND THE SWITCH ON THE COMPRESSOR MAIN CONTROL PANEL IS TURNED ON, THE AUTO MODE LIGHT WILL BE ACTIVATED AND THE UNIT WILL OPERATE AS FOLLOWS:

A- THE ASSC WILL REMAIN IN A STANDBY CONDITION WITH THE COMPRESSOR OFF UNTIL THE PRESSURE OR OTHER TRANSFER SWITCH (INSTALLED BY THE CUSTOMER) CONTACTS CLOSE. WHEN THE SWITCH CLOSES, THE ASSC WILL PROCEED AS FOLLOWS:

B- DURING AN INITIAL FIXED DELAY OF 10 SECONDS, A "PULSED" ALARM WILL SOUND AND THE UNLOADER COMPRESSOR MOTOR WILL BE ACTIVATED. THE INITIAL DELAY ALSO PROTECTS AGAINST SHORT TERM RIPPLES IN THE MAIN AIR SUPPLY.

C- AFTER THE INITIAL ALARM DELAY, THE UNIT WILL BEGIN ITS NORMAL CRANK CYCLE CONCURRENT WITH THE START OF EACH CRANK. A 2 SECOND PULSED OUTPUT MUST BE PROVIDED FOR ETHER INJECTION. IMMEDIATELY PRIOR TO CRANK, THE START/RUN VALVE MUST BE ENERGIZED AND REMAIN SO UNTIL THE COMPRESSOR IS LOADED (STEP G). THE UNLOADER COMPRESSOR MOTOR MUST REMAIN ACTIVATED DURING CRANK. AN ADDITIONAL DRY CONTACT MUST BE INSERTED IN SERIES WITH THE HEATER SWITCH (S11) AND CLOSE ONLY DURING UNIT STARTING AND RUN OPERATION. THE DRY CONTACT WILL BE ENERGIZED TO AN OPEN STATE DURING STANDBY AND DEFAULT TO CLOSED UPON LOSS OF POWER OR MANUAL MODE OPERATION.

D- THE CRANK PERIOD SHOULD BE ADJUSTABLE FROM 4 - 30 SECONDS (FACTORY PRESET TO 10 SECONDS). THE REST PERIOD SHOULD BE ADJUSTABLE FROM 10 - 60 SECONDS (FACTORY PRESET TO 25 SECONDS). THE NUMBER OF CRANK CYCLES SHOULD BE SETTABLE FOR 1 - 5 CYCLES (FACTORY PRESET TO 3 CYCLES). IF THE UNIT FAILS TO START AFTER THE SET NUMBER OF CYCLES, AN OVERCRANK CONDITION SHOULD BE INDICATED AND A CONTINUOUS ALARM WILL SOUND. THE ASSC WILL NOT ATTEMPT TO START AGAIN UNLESS POWER IS RECYCLED OR A RESET BUTTON IS PUSHED.

SPECIFICATIONS (CONT.)

E- AS THE UNIT STARTS DURING A CRANK CYCLE, AT A SET FLYWHEEL SPEED AS SENSED BY A MAGNETIC SPEED PICKUP, CRANK DISCONNECT OCCURS AND THE ASSC GOES TO THE RUN MODE. AT THIS TIME A PROTECTION BYPASS TIME DELAY PERIOD BEGINS WHICH ALLOWS THE ENGINE OIL PRESSURE TO RISE SUFFICIENTLY TO SATISFY THE COMPRESSOR ENGINE PROTECTION CIRCUIT. THIS PREVENTS PREMATURE SHUTDOWN. THE PROTECTION BYPASS TIMER SHOULD BE ADJUSTABLE FROM 0 - 60 SECONDS (FACTORY PRESET TO 15 SECONDS). THE SPEED CRANK DISCONNECT ADJUST RANGE SHOULD BE FROM 20 - 2000 HZ. INSTRUCTIONS ON SETTING THIS SHOULD BE PROVIDED.

F- ONCE THE ENGINE REACHES A NORMAL RUNNING CONDITION, THE UNIT REQUIRES A WARMUP PERIOD PRIOR TO LOADING THE COMPRESSOR TO ITS NORMAL OUTPUT PRESSURE. THIS WARMUP PERIOD SHOULD BE ADJUSTABLE FROM 0 - 10 MINUTES IN 10 SECOND INCREMENTS (FACTORY PRESET TO 5 MINUTES).

G- AFTER THE WARMUP PERIOD, THE ASSC WILL AUTOMATICALLY LOAD THE COMPRESSOR BY DEACTIVATING THE START/RUN VALVE. THIS ENABLES THE COMPRESSOR TO DELIVER RATED PRESSURE AND FLOW FOR NORMAL OPERATION.

H- THE UNIT MAY BE SHUT OFF AT ANY TIME WHILE RUNNING IN AUTOMATIC MODE BY EITHER SWITCHING THE ASSC TO "OFF" OR TURNING THE COMPRESSOR ON/OFF SWITCH TO "OFF" ON THE FRONT OPERATOR PANEL. THIS WILL SHUT DOWN THE COMPRESSOR IMMEDIATELY.

J- ONCE THE CUSTOMER TRANSFER SWITCH OPENS, THE UNIT WILL BEGIN A COOL-DOWN PERIOD. THE COOL-DOWN PERIOD SHOULD BE ADJUSTABLE FROM 0 - 30 MINUTES (FACTORY PRESET TO 5 MINUTES).

K- AT THE END OF THE COOL-DOWN PERIOD THE UNIT WILL AUTOMATICALLY SHUT DOWN AND RETURN TO THE STANDBY MODE AS IN 4.4 A.

5. OPERATION SEQUENCE - MANUAL MODE

WHEN THE SELECTOR SWITCH INSIDE THE ASSC BOX IS TURNED TO THE "MANUAL" POSITION ALL AUTOMATIC FUNCTIONS WILL BE DISABLED. THE COMPRESSOR MUST BE ABLE TO BE OPERATED MANUALLY FROM THE COMPRESSORS MAIN CONTROL PANEL. THE COMPRESSOR MUST SHUT DOWN IMMEDIATELY IF, WHILE COMPRESSOR IS RUNNING IN AUTOMATIC MODE, THE SELECTOR SWITCH IS SWITCHED TO MANUAL OR OFF. IF THE ON/OFF SWITCH ON THE COMPRESSORS MAIN CONTROL PANEL IS TURNED "OFF" THE UNIT WILL IMMEDIATELY SHUT DOWN.

6. OPERATION SEQUENCE - OFF MODE

WHEN THE SELECTOR SWITCH INSIDE THE ASSC BOX IS TURNED TO THE "OFF" POSITION DURING ANY MODE OF OPERATION, THE UNIT WILL IMMEDIATELY SHUT DOWN. IF THE SWITCH ON THE COMPRESSORS MAIN CONTROL PANEL IS TURNED "OFF", THE UNIT WILL ALSO IMMEDIATELY SHUT DOWN.

7. OUTPUT SPECIFICATIONS:

ALARM	24 VDC, 0.5 AMPERE
UNLOADER COMPRESSOR	24 VDC, 10 AMPERES
START/RUN VALVE	24 VDC, 2 AMPERES
STARTER AUXILIARY RELAY	24 VDC, 2 AMPERES
ETHER INJECTION VALVE	24 VDC, 2 AMPERES
HEATER DRY CONTACT	NO, 2 AMPERES
AUTO MODE LIGHT	24 VDC, 0.5 AMPERES

8 LABEL WIRE TERMINATIONS AS #48 AND #49.

9 MAGNETIC PICKUP INPUT VOLTAGE REQUIRED: 1.8 VRMS MINIMUM.

INGERSOLL-RAND COMPANY			
PORTABLE COMPRESSOR DIVISION		DESCRIPTION	
UNIT/APPY	WMP	AUTOSTART / STOP CONTROL	
MODEL NO.	7-00	MANUAL NO.	CONF FILE 4
METECOR	AUTOS-4		7-001A

HARNESS CONNECTOR PIN ASSIGNMENTS			HARNESS CONNECTOR PIN ASSIGNMENTS		
PANEL JACK J1	TO AUTOSTART PLUG (ITEM 3) P1A	FUNCTION DESCRIPTION	CHASSIS PLUG P1	TO AUTOSTART JACK (ITEM 5) J1A	
1		1 BYPASS OR CONTROL POWER	1	1	
2	S260-30	CRANK	2	S260-29	
3		3 START LATCH (START-RUN VALVE)	3	3	
4	TB47	POWER INPUT	4	TB47	
5		5 ENG TMP OR LOW FUEL S/D	5	5	
6		6 START-RUN SOL VALVE	6	6	
7	TB53	UNLOADER VALVE	7	TB52	
8	TB50	FUEL SOL	8	TB50	
9		9 K4 LATCH OR FUEL LAMP	9	9	
10	TB57	HEATER	10	TB56	
11		11 CMPSRS TEMP LAMP	11		
12		12 ENG OIL PRESS LAMP	12		
13		13 AIR FILTER RESTRI LAMP	13		
14		14 COOLANT PROBE	14		
15		15 ALT TACHCHARGE LAMP	15		
16	S260-40	FUEL SUPPLY S/D	16	S260-39	
17		17 LOW FUEL GAUGE	17		
18		18 CMPSRS TEMP SDR	18		
19		19 ENG TEMP SDR	19		
20	TB51	BYPASS OR UNLOADER CMPSRS MTR	20	TB51	
21	S260-32	ETHER INJECTOR	21	S260-32	
22		22 ENG OIL PRESS SDR	22		
23			23		
24			24		
25			25		
26			26		
27			27		
28			28		
29			29		
30			30		
31	TB48	GROUND	31	TB48	

