

TRUCK MOUNTED EQUIPMENT PARTS MANUAL



Doosan Infracore
Portable Power

VHP85CMH-OPEN (009) VHP85CMH-CLOSED (C70) COMPRESSOR MODELS

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Section A - 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

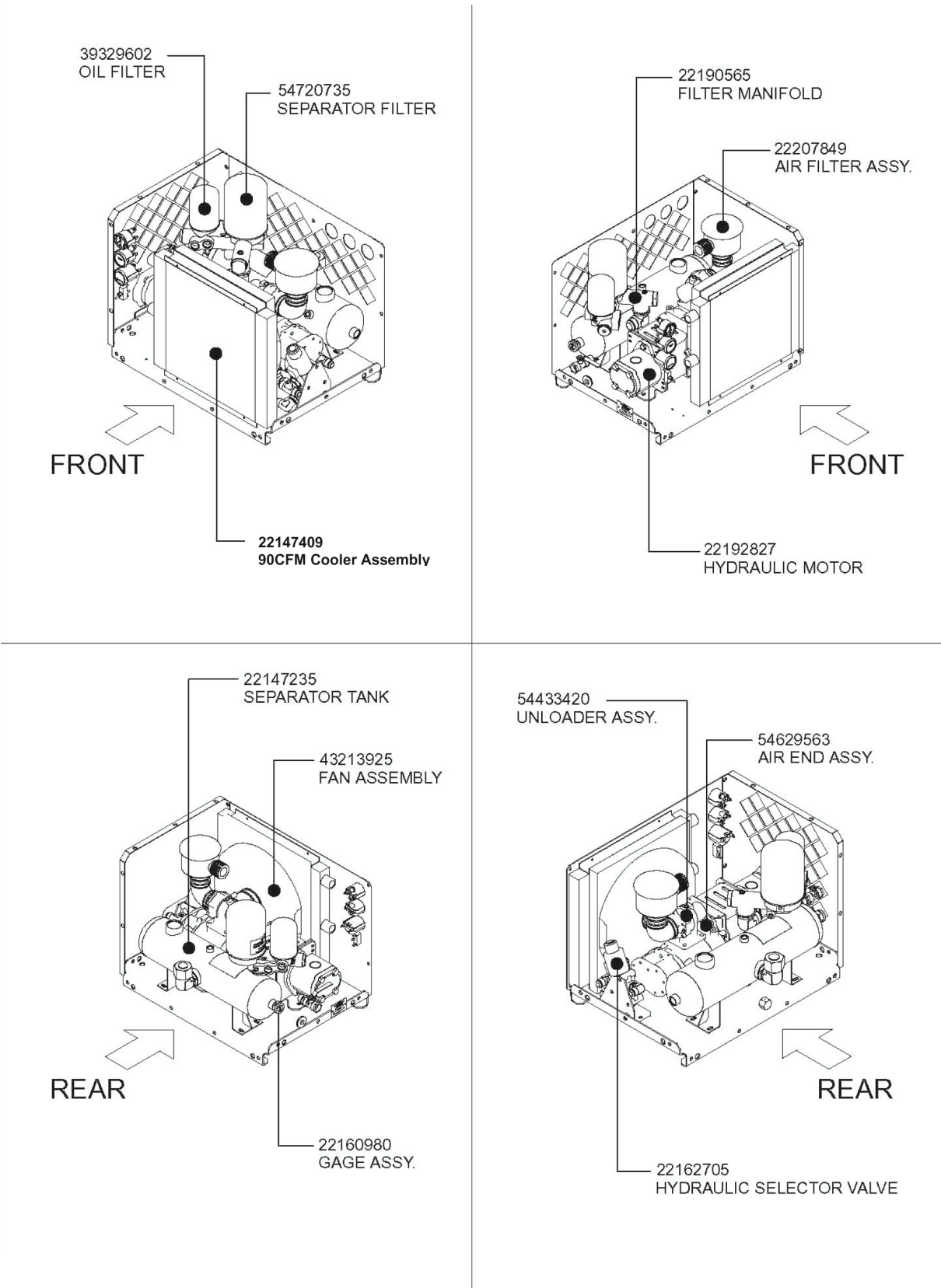
Always specify the model and serial number of the unit.

Specify the part number and description.

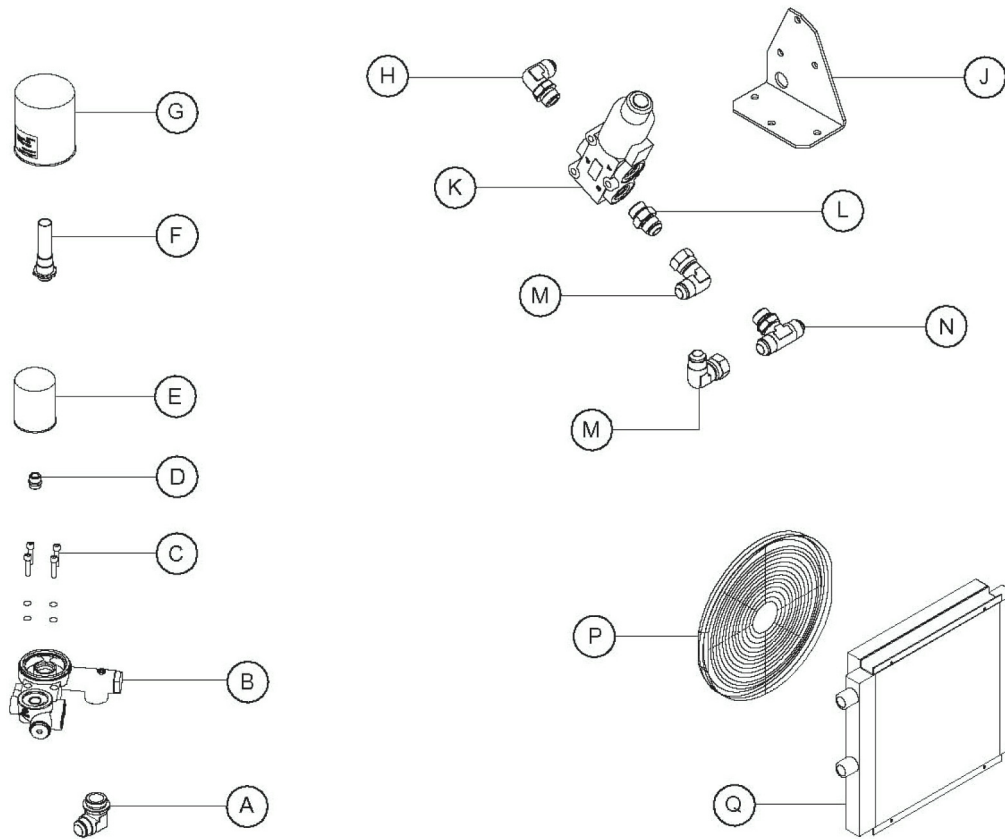


Parts List

General Arrangement

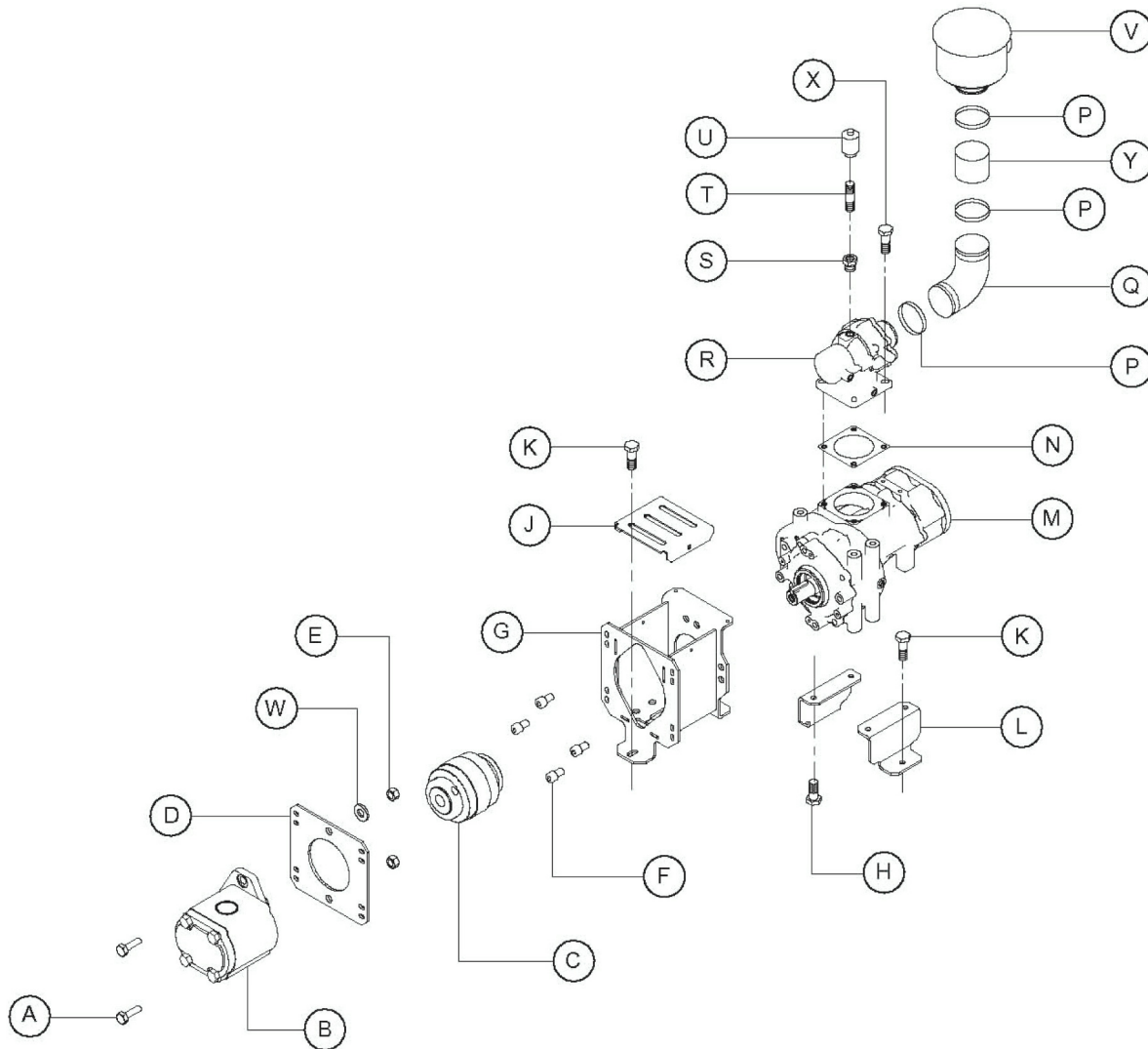


Filters and Oil Coolers



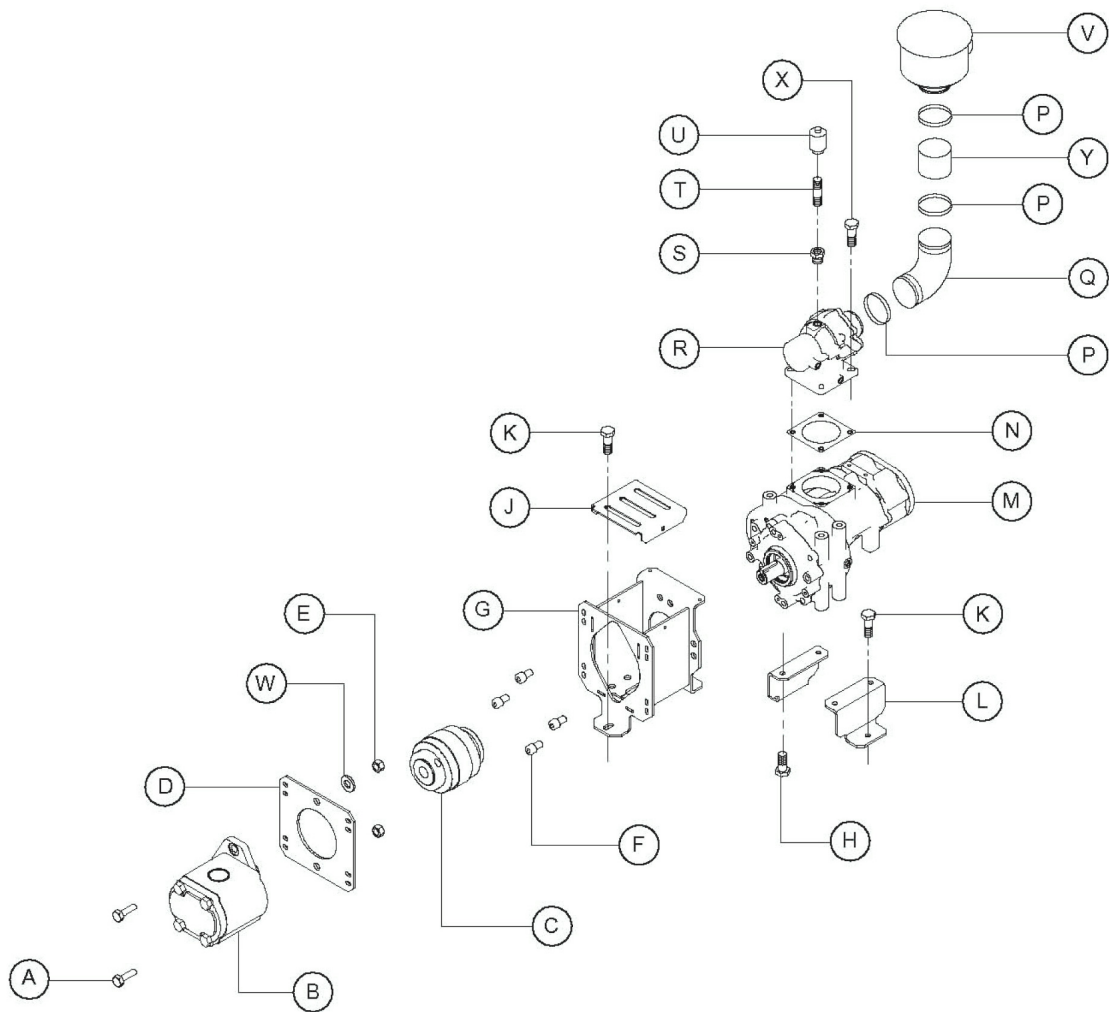
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95952727	Elbow	1	
B	22190565	Manifold, Filter	1	
	22189468	Kit	1	Minimum Pressure Check Valve
	22064687	Kit	1	Thermal Valve Repair
C	39125000	Screw	4	
	35374826	Washer	4	Copper
D	54749221	Nipple	1	
E	39329602	Filter, Oil	1	
F	22050405	Nipple	1	
G	54720735	Filter, Air/Oil Separator	1	
H	35294750	Elbow	1	
J	22162713	Bracket, Valve Mounting	1	
	96738802	Screw	3	Bracket to Base
	96710488	Screw	3	Valve to Bracket
	96738802	Nut	3	Valve to Bracket
K	22162705	Hydraulic Selector Valve	1	
L	35295880	Bushing	1	
M	35301506	Elbow	1	
N	95469169	Tee	1	
P	43213925	Fan Assembly	1	
Q	46490587	Cooler Assembly	1	

Motor/Air End Assembly



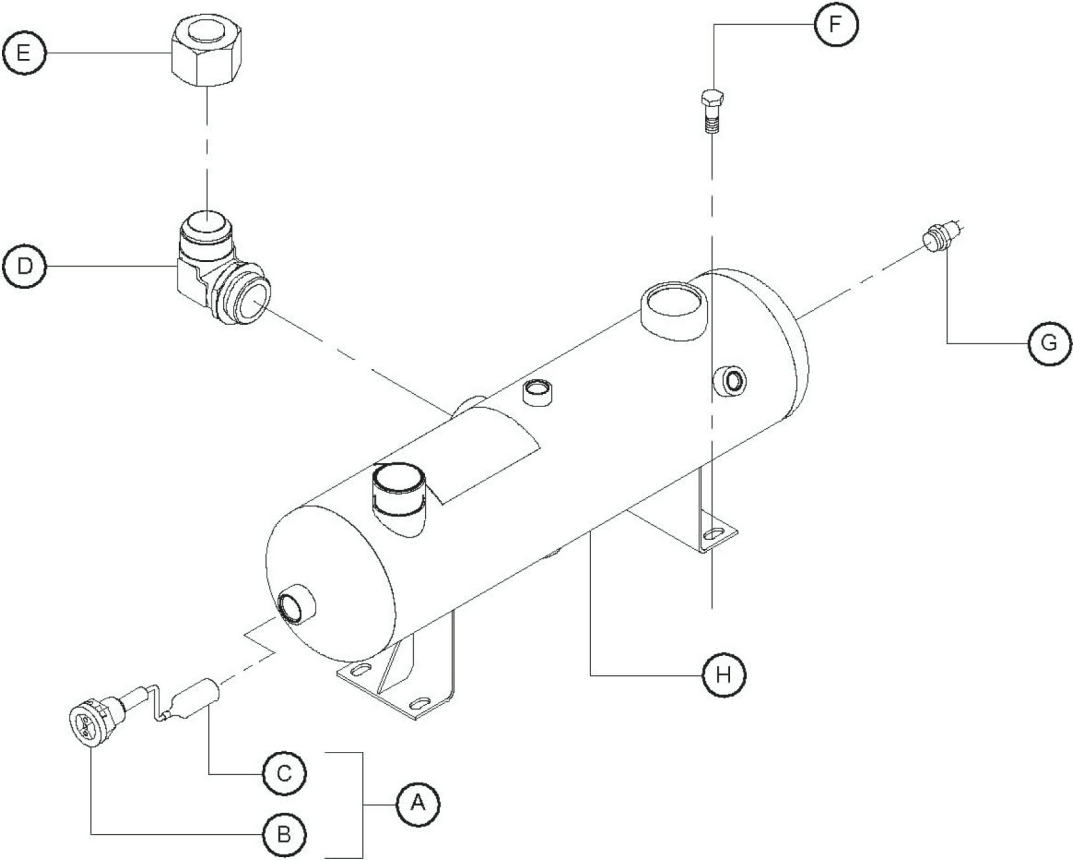
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95920708	Screw	2	
B	22192827	Motor, Hydraulic	1	
C	22153803	Coupling	1	
D	22153407	Plate, Motor Mounting	1	
E	35252618	Nut	2	
F	96719851	Screw	4	
G	22153399	Support, Motor	1	
H	96705850	Screw	4	
J	22153415	Cover, Support	1	
K	96738802	Screw	3	
L	22153381	Support, Airend	2	
M	54629563	Air End Assembly	1	
N	39313879	Gasket	1	
				Continued.....

Motor/Air End Assembly



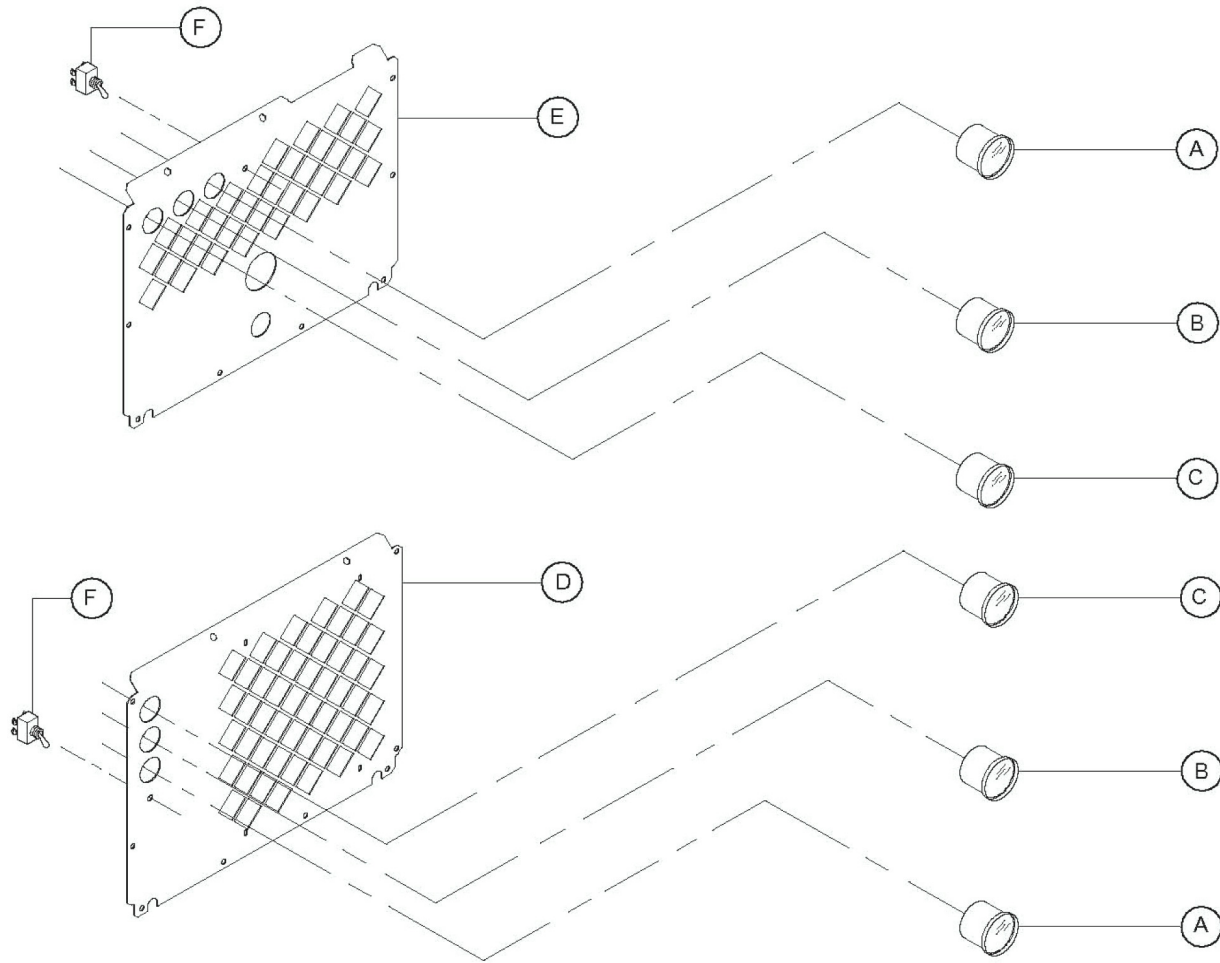
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	35221662	Clamp	1	Continued Prior to S/N: 412807 Starting S/N: 412807 Starting S/N: 412807
Q	22207856	Elbow, Rubber	1	
R	54433420	Unloader Assembly (replace with kit# 46554164)	1	
	23010325	Unloader Assembly	1	
S	95930301	Bushing	1	
T	95953493	Nipple	1	
U	35300615	Indicator, Restriction	1	
V	22207849	Air Filter Assembly	1	
N/S	22173538	Air Filter Element	1	
W	95935003	Washer	2	
X	96702055	Screw	4	
	95934998	Washer (Not Shown, use with item X)	4	
Y	22207864	Tube	1	

Unloader Assembly



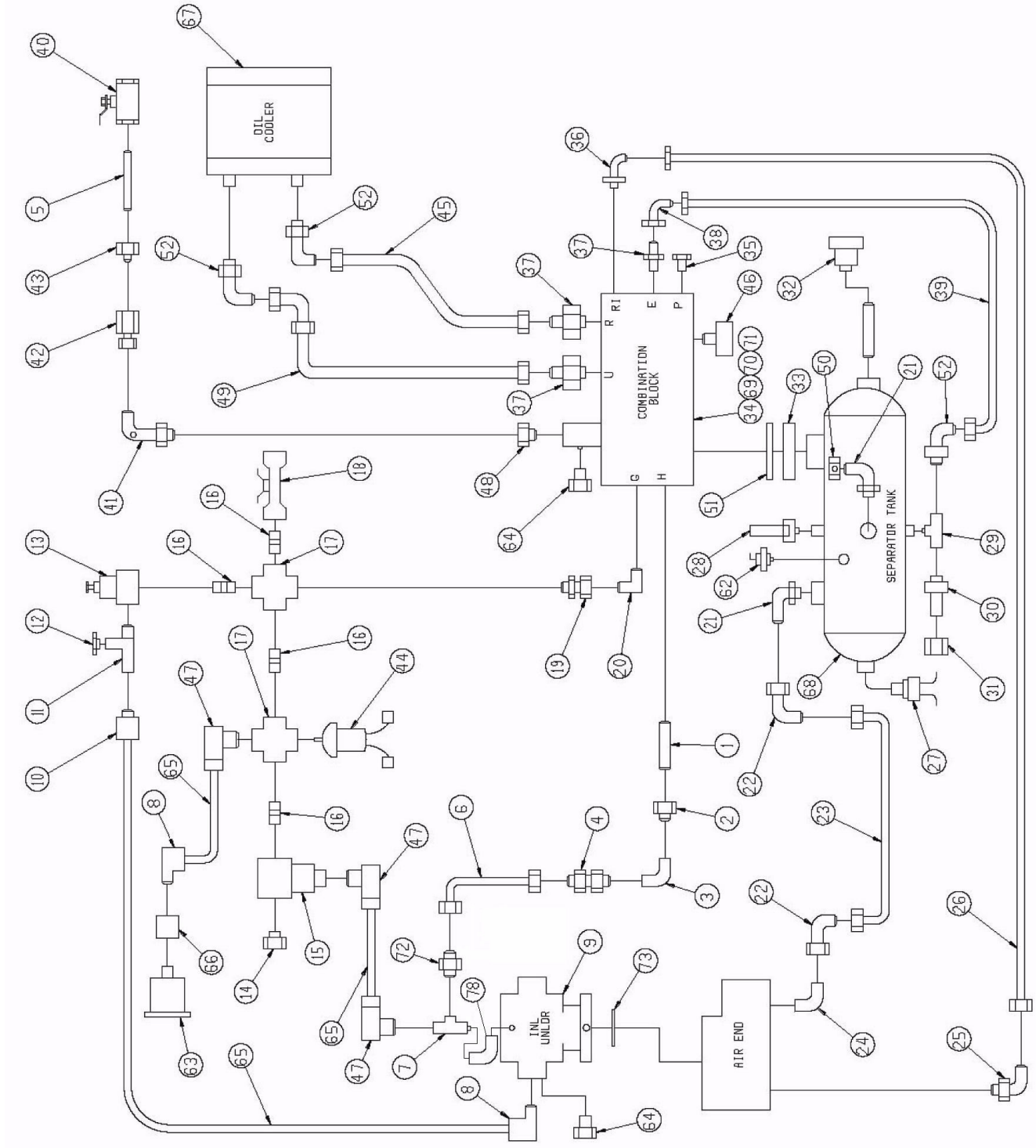
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22160980	Gage Assembly	1	
B	22160972	Gage, Rotary	1	
C	36891489	Pointer Assembly	1	
D	35374867	Elbow, Filter	1	
E	35596691	Cap, Filter	1	
F	36889608	Screw	4	
G	35596436	Switch, Temperature	1	
H	22147235	Tank Assembly	1	

Instrument Panel Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36841245	Hourmeter	1	Curb Side Street Side
B	35604115	Gage, Temperature	1	
C	36891216	Gage, Pressure	1	
D	46490652	Panel	1	
E	22164268	Panel	1	
F	36895449	Switch, Toggle	1	In unused gauge holes
	39104765	Boot, Rubber	1	
NS	36767440	Plug, Hole	3	

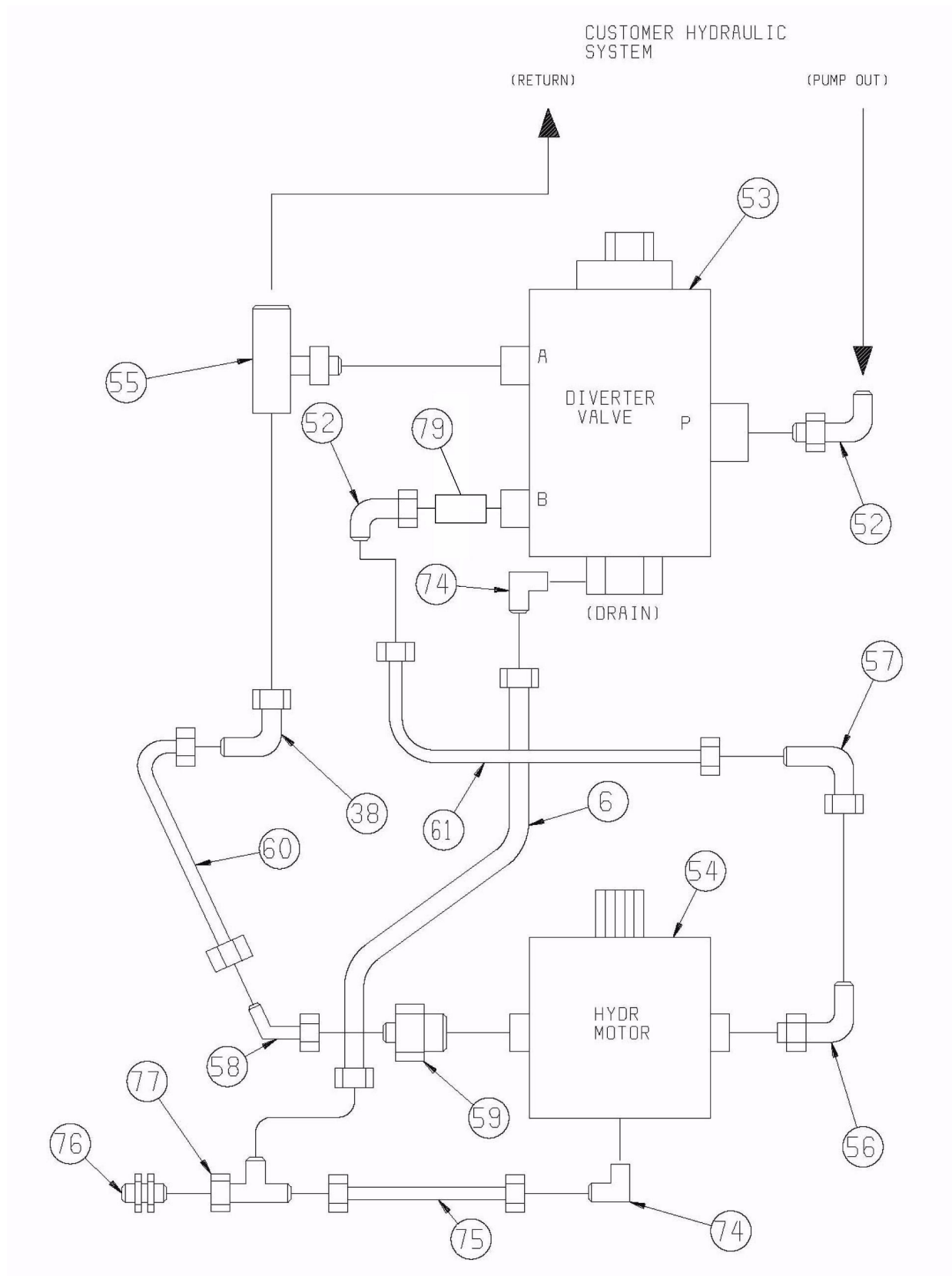
Air/Oil/Hydraulic Piping



Air/Oil/Hydraulic Piping

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	95946059	Nipple		1/8 NPT
2	95930301	Bushing		RDC NPT 025 X 012
3	95954095	Elbow		.25 NPT
4	22184717	Check Valve		.041 ORF
5	95942785	Nipple		LG NPT 075 X 800
6	35310960	Hose Assembly -4 X 10		Prior to S/N: 412807
	35283241	Hose Assembly -4 X 14		Starting S/N: 412807
7	35114545	Tee, Street		1/4 NPT RUN
8	35301126	Elbow		90° 1/8 NPT X -6 JIC
9	54433420	Unloader Assembly (Repl w/Kit #46554164)	1	Prior to S/N: 412807
	23010325	Unloader Assembly	1	Starting S/N: 412807
10	35369347	Connector		ML 1/4 NPT X 3/8 TB
11	35114545	Tee, Street		1/4 NPT
12	36766756	Orifice Muffler		0.140
13	36854495	Regulator		150 200 PSLG Capable
14	22184725	Orifice Muffler		0.041
15	35322379	Blowdown Valve		
16	95944575	Nipple		CL NPT 025 X 088
17	95954293	Cross		1/4 NPT
18	35324839	Ball Valve		1/4 NPT
19	35367846	Conn		1/4 NPT X 6 JIC SWV
20	35279934	Elbow		90° 1/4 NPT X -6 JIC
21	35374867	Elbow		1-7/8 -12 X -20 JIC
22	35279918	Elbow		Swivel, -20 JIC
23	22179386	Hose		-20 X 10.75"
24	96741251	Elbow		90°1-1/4 BSPP -20 JIC
25	39310800	Air End Injection, Elbow		
26	35283308	Hose		JIC -8 X 26
27	35596436	Temp Switch		248°, Tank Mount, SAE
28	39193339	Safety Valve		
29	22179410	Branch Tee		1.06-12,1.06-12,1.06 SAE
30	35322825	Connector		LG 1-1/16 X 12
31	35608694	Cap Safe Vent		-12 JIC
32	22160980	Rotary Sep. Tank Gage		
33	22174544	Special Flange for Combination Block		
34	22190565	Combination MPV, Thermostat, SCAV, Sep.		
35	95954038	Plug		1/4 NPT
36	22179428	Elbow		90° 1.06 12 - SAE X -8
37	35295880	Connector		1-1/16 SAE X -12 JIC
38	35301506	Elbow		90° Swivel Nut -12
				Continued.....

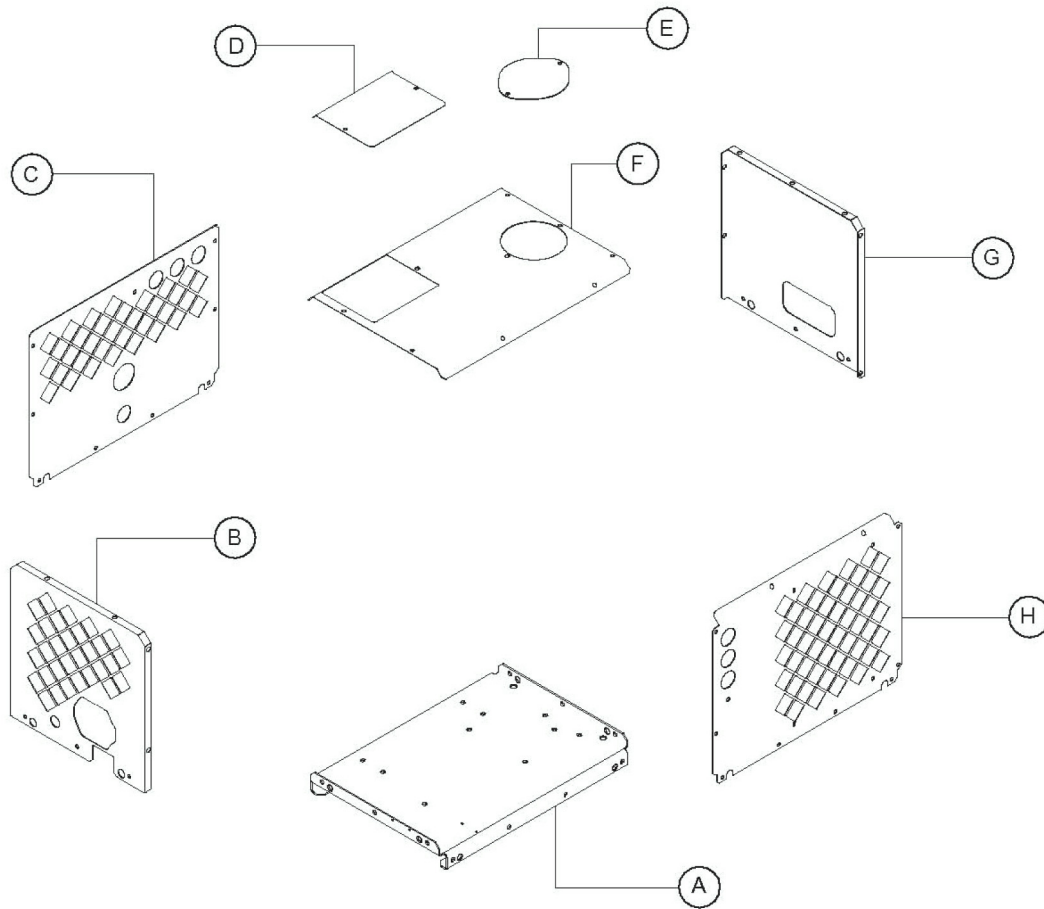
Air/Oil/Hydraulic Piping



Air/Oil/Hydraulic Piping

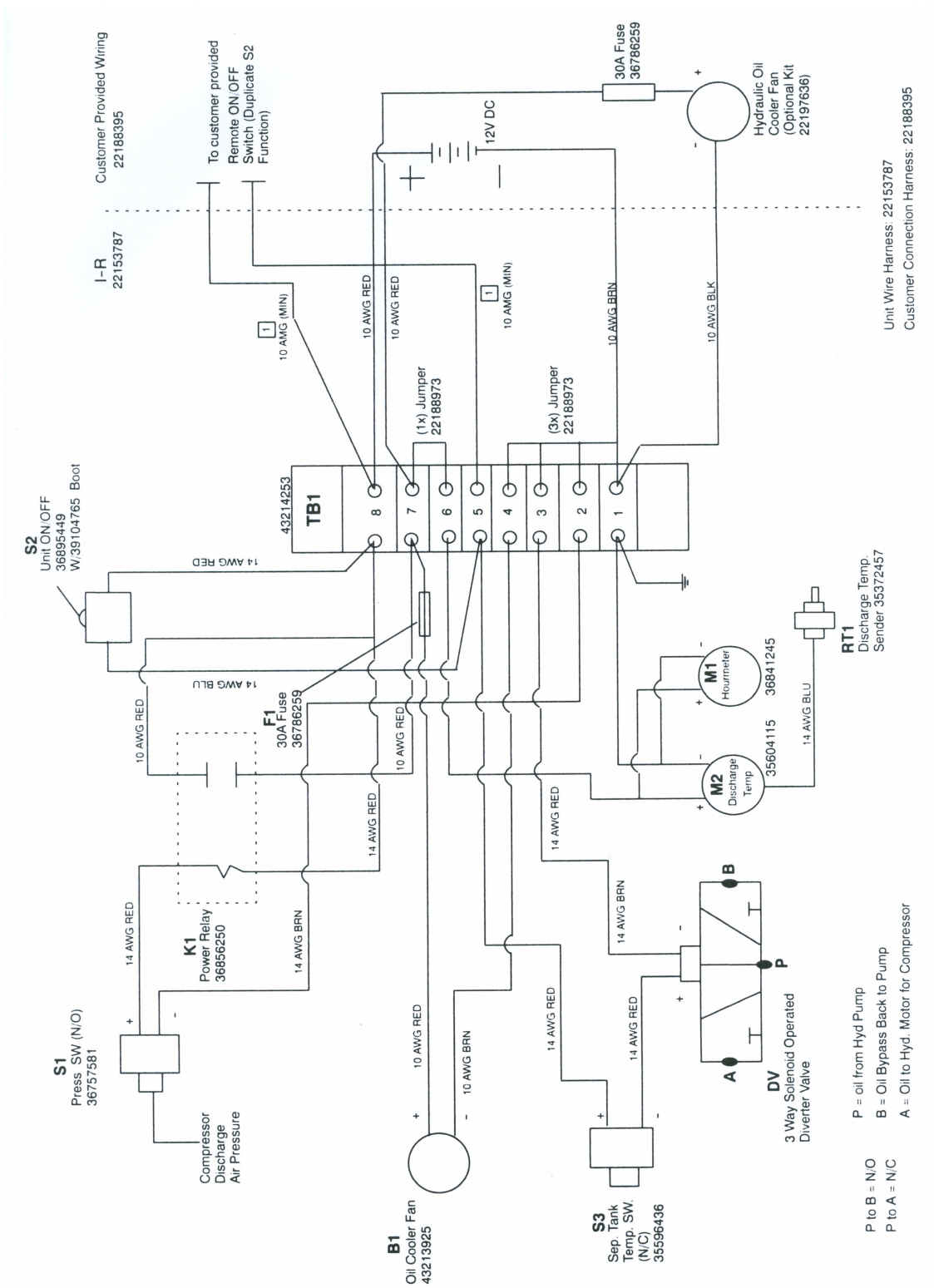
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
39	22180889	Hose Assembly		 Continued
40	35576115	Service Ball Valve		-12 X -22 JIC
41	95992848	Elbow		3/4
42	22179436	Connector		90°
43	95944617	Bushing		Swivel, -16JIC X 1.0 F NPT
44	36757581	Discharge Pressure Switch		RDC NPT100 X 075
45	36882975	Hose Assembly		12 PSIG
46	35379932	PI Hex		12X10
47	35369354	Elbow		1/2 20 UNF
48	95954913	Reducer		ML 1/4 NPT X 3/8 TB
49	54764261	Hose Assembly		1-5/8 SAE X 1-5/16 Female SAE
50	35596691	Cap Oil Fill		-12 X 11.00
51	54740378	Combination Valve Gasket		-20
52	35301506	Elbow		90° Swivel Nut -12JIC
53	22162705	Hydraulic Selector Valve		
54	22192827	Motor		2.013 CU.IN.
55	36779999	Tee		-12 -12S W/O-Ring
56	35291384	Elbow		90°, 1-5/16 -12 -16JIC
57	35292051	Elbow		90° Swivel Nut -16
58	35307206	Elbow		45° -16 Swivel
59	35292069	Connector		1-5/8 -12 X -16
60	22179394	Hydraulic Hose		-16 X 35
61	22179402	Hydraulic Hose		-16 X 21.5
62	35372457	Temp Sender		12V
63	36891216	Pressure Gage		250 PSIG Full Scale
64	95928214	Plug		1/8 NPT
65	35356484	Synflex Tubing For Regulation		
66	95935599	Coupling		NPT 012 X 075
67	46490587	Oil Cooler with Fan		90 CFM
68	22147235	Separator Tank		
69	22064687	Thermal Element Kit		Service Part for Item 34
70	22189468	Min Press Valve Kit		Service Part for Item 34
71	22050405	Adapter Kit, Separator		Service Part for Item 34
72	35283472	Connector		1/4 P X -4 JIC
73	39313879	Gasket		
74	35279876	Elbow		90° 7/16 -20 X 4 -JIC
75	35283258	Hose Assembly		4 X 34
76	95365151	Connector		BLK HD-4 JIC
77	35302124	Tee, Run Swivel		-.4 JIC
78	95944666	Elbow, Street		Starting S/N: 412807
79	35295880	Connector		1-1/16 UNF SAE O-ring X -12JIC

Enclosure and Base

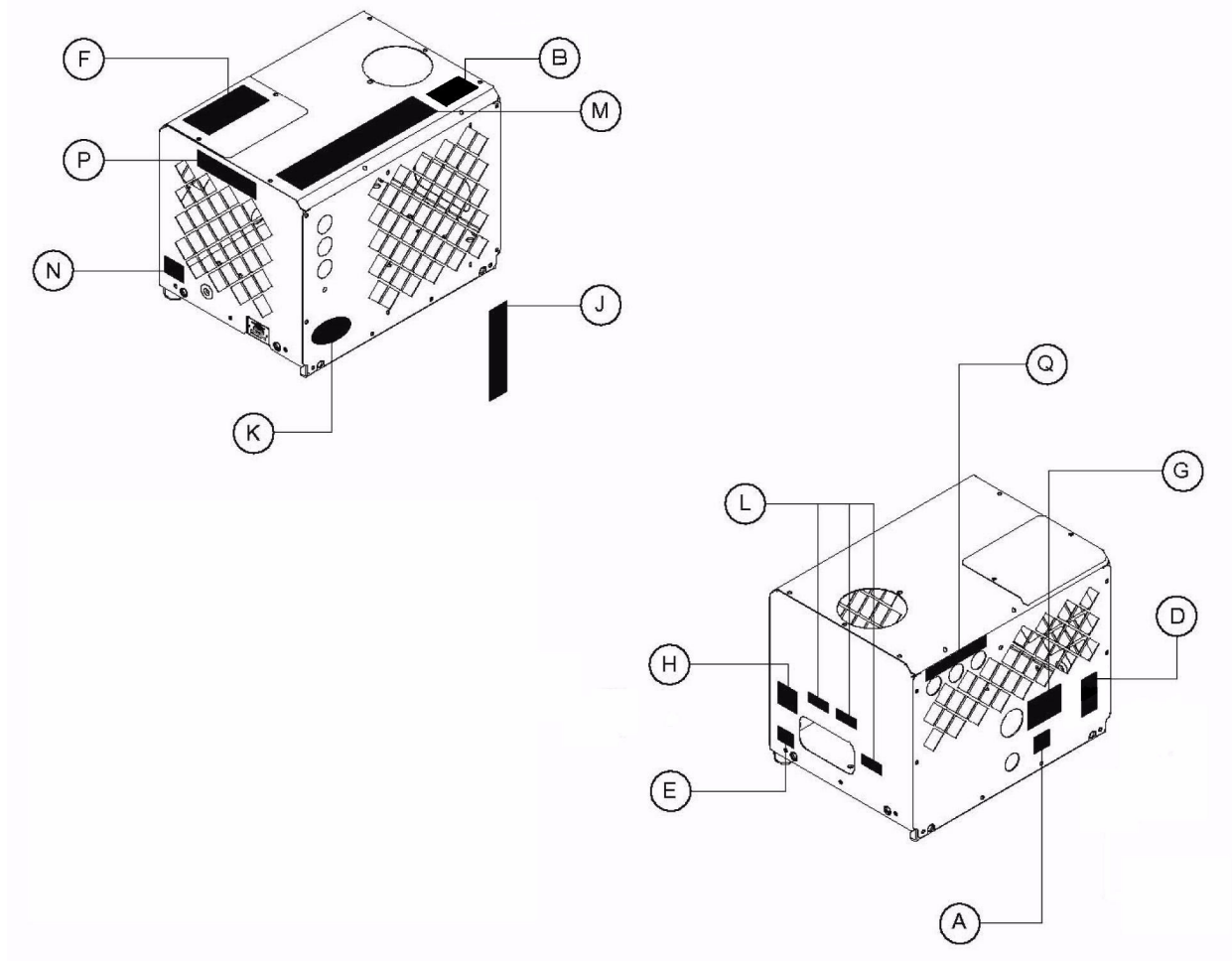


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22149975	Base, Enclosure	1	
B	22191985	Panel	1	Left Side
C	22164268	Panel	1	Back
D	22173264	Cover, Filter	1	
E	22184295	Cover, Air Filter	1	
F	22164644	Panel	1	Top
G	22164602	Panel	1	Right Side
H	46490652	Panel	1	Front
	96738802	Screw		
	36895746	Nutsert		

Wiring Diagram



Decal Location



23270649_025_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54629977	Decal, Oil Drain	1	
B	46497418	Decal, Doosan 4" Logo	2	
C	54604970	Decal, Fill Plug	1	
D	54640164	Decal, Compressor Oil & Service	1	
E	22182315	Decal, Lift Point	8	
F	22191720	Decal, General Data (85 CFM)	1	
G	54568795	Decal, High Pressure Air	1	
H	43215037	Decal, Maximum Speed	1	
J	22207872	Decal, Vertical Gage Location	1	
K	46549499	Decal, Swoosh	1	
L	22184261	Decal, Hydraulic Supply & Return	1	
M	46492542	Decal, 20" IR Monogram	1	
N	54568787	Decal, Improper Operation	1	
P	54629944	Decal, 3-Part Safety	1	
Q	22197065	Decal, Horizontal Gage Location	1	

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Thermostat	
SCAV	
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22184261	21	35576115	17	95935003	11
22184295	19	35596436	12	95935599	17
22184717	15		15	95942785	15
22184725	15	35596691	12	95944575	15
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22190565	9	35608694	15	95946059	15
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22191720	21	36766756	15	95953493	11
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22207849	11	36882975	17	95992848	17
22207856	11	36889608	12	96702055	11
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A	OBP30330	Revised per EC
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