



Doosan Infracore
Portable Power



Truck Mounted Equipment Parts Manual

PTO DRIVEN CATEGORY 1 90 CFM

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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

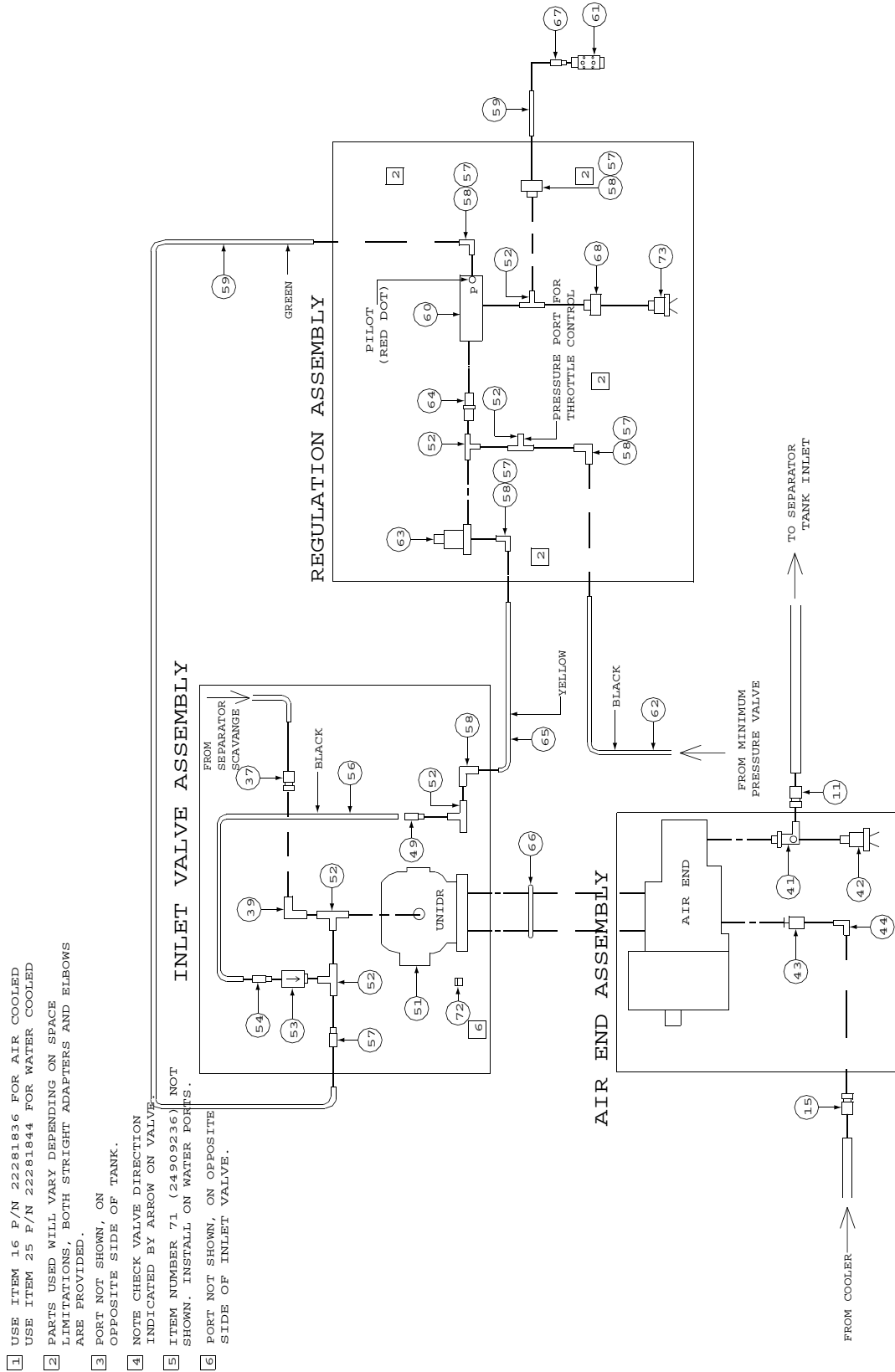
Always specify the model and serial number of the unit.

Specify the part number and description.

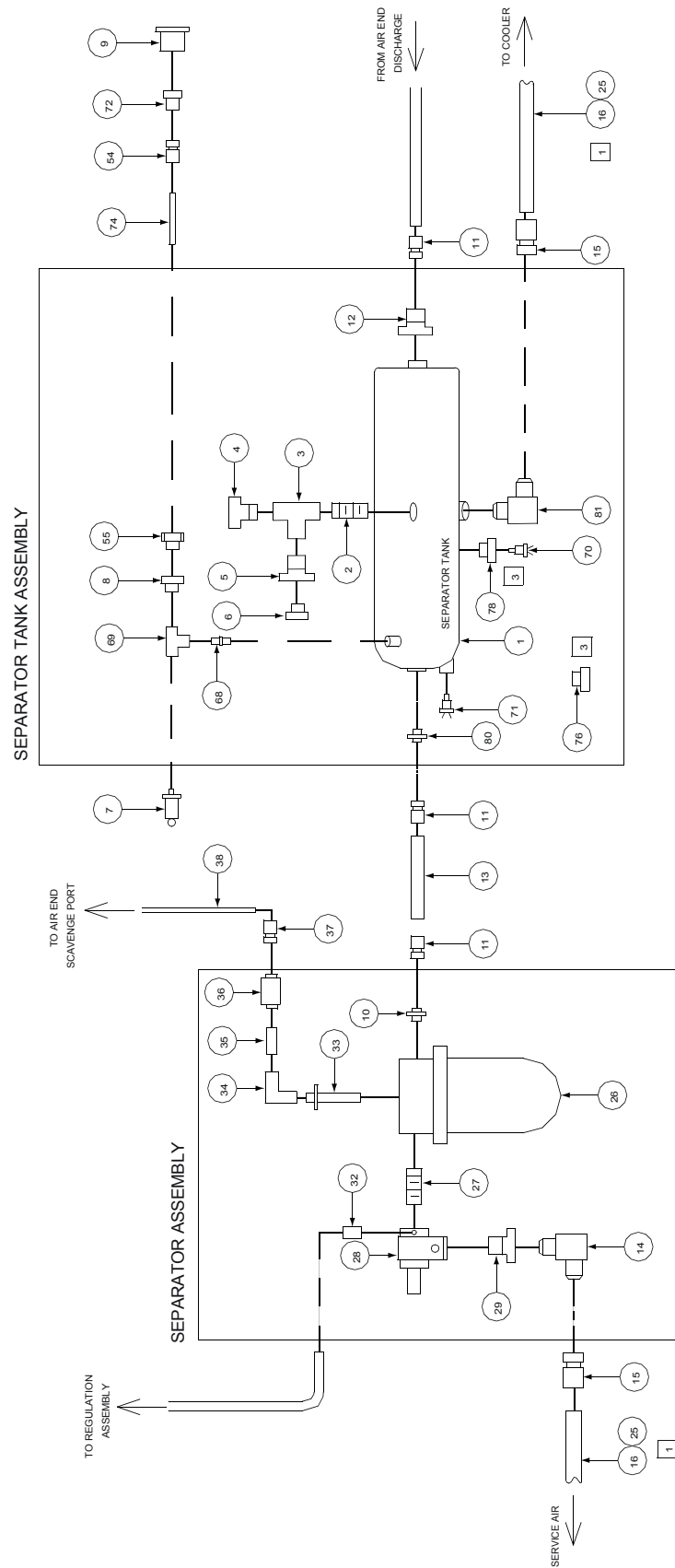


Parts List

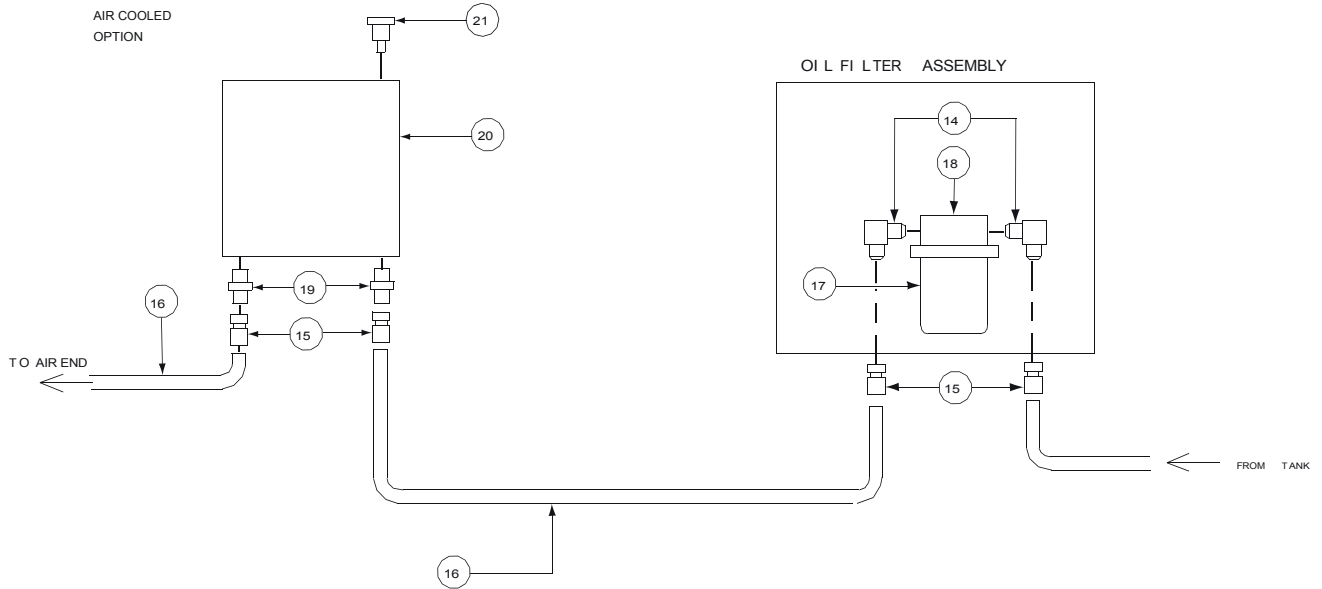
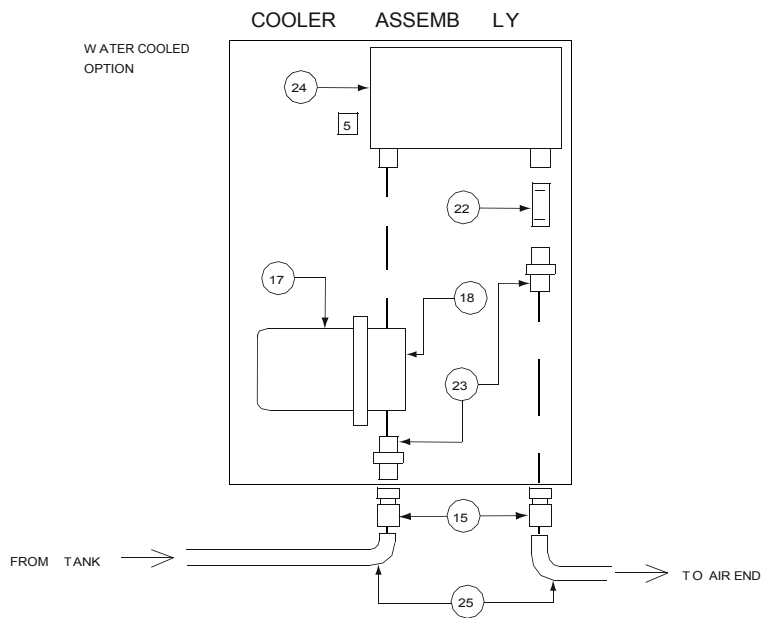
Air / Oil Piping Diagram



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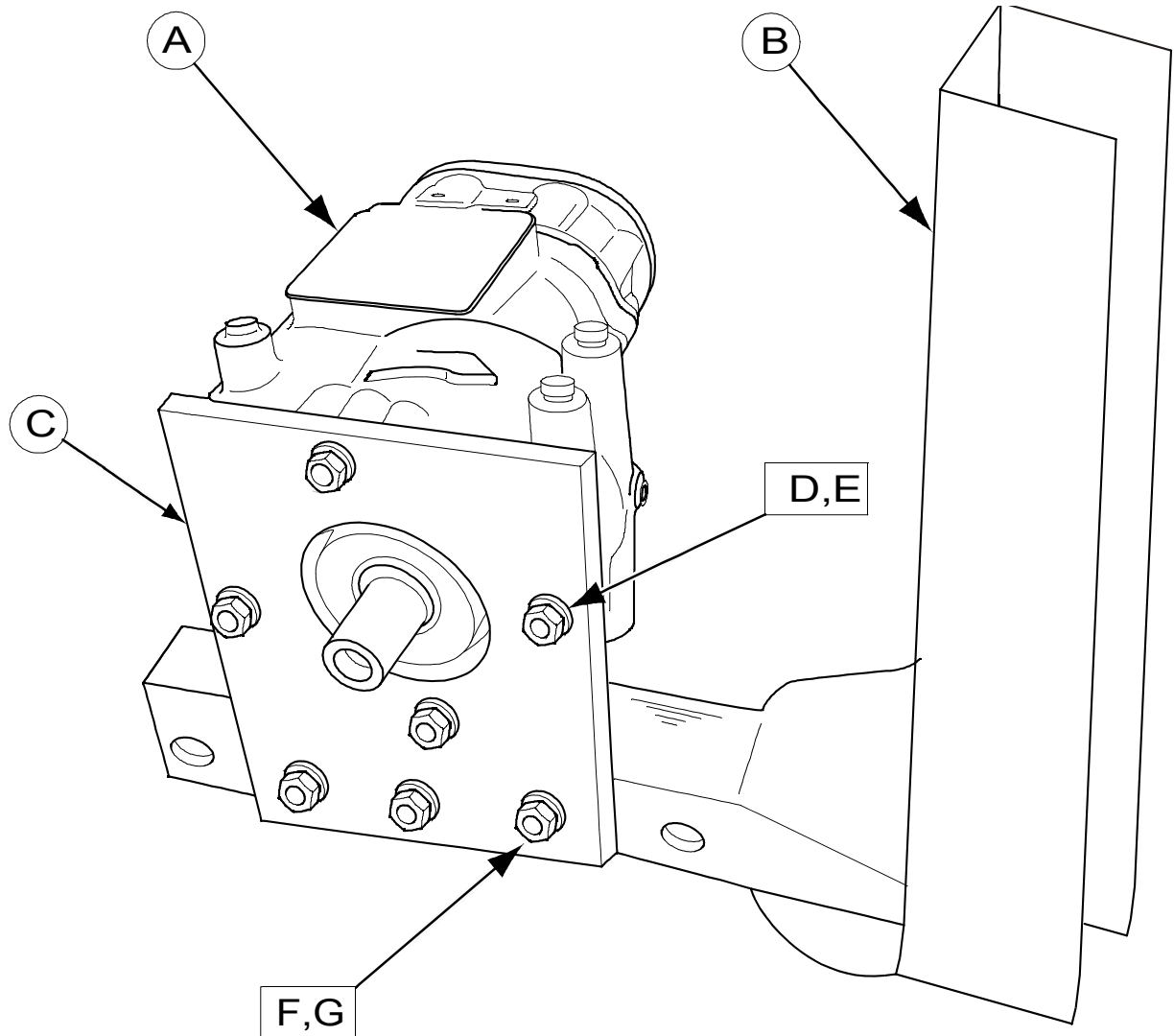


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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22869739	Separator Tank		
2	95242996	Nipple		1 1/2" NPT
3	95954244	Tee		1 1/2" NPT
4	24907248	Gauge, Part Hole View		
5	95316964	Adapter		1.5" NPT X -20 JIC
6	35596691	Cap, Oil Fill		-20 JIC
7	24907222	Safety Valve		150 PSI
7a	24907214	Safety Valve		200 PSI
7b	24907206	Safety Valve		250 PSI
8	95944625	Bushing		1/2" NPT X 1/4" NPT
9	36891216	Gauge, Pressure		
10	95219770	Adapter		1 1/4" NPT X -20 JIC
11	24909194	Connector, Hose		-20 JIC
12	95981346	Adapter		-20 JIC X 1.875 SAE
13	24909533	Hose		-20 JIC
14	24908998	Elbow		1" NPT X -16 JIC
15	24909400	Conn., Hose		-16 JIC
16	22279814	Hose		-16 JIC
17	24906141	Oil Filter		
18	24906604	Oil Filter Head		
19	35292069	Adapter		1 1/4" SAE X -16 JIC
20a	24907388	Fan Cooler Assembly		
20b	22498984	Heavy Duty Fan Cooler Assembly		
21	22652564	Temp. Switch (Fan)		
22	95946117	Nipple		1" NPT
23	95219762	Adapter		1" NPT X -16 JIC
24	24906505	Oil / Water Heat Exchanger		
25	22281380	Hose		-16 JIC
26	22233118	Separator Assembly		
27	95953600	Nipple		1 1/4" NPT
28	24907073	Min. Press. Valve		
29	95937439	Reducing Bushing		1 1/4" X 1"
30	22372122	Gasket, Disc Plate		
31	95049359	Plug		1/8" NPT
32	35379700	Fitting		1/8" NPT X 3/8" Tube
33	24909814	Scavenge Tube		
34	24909822	Elbow		5/16" Flare X 1/4" NPT
35	95935813	Coupling		1/4"
36	36840437	Orifice Check valve		0.062
37	24909285	Connector, Hose		-4 JIC
38	24909541	Hose		-4 JIC
39	35283464	Elbow		1/4" NPT X -4 JIC
40	43212216	Adapter		M12 X 1/4" NPT
41	22378525	Elbow		Swivel Nut - 20, Modified
42	22372114	Discharge Adapter Plate		
43	22381925	Elbow		M26 X-12JIC
44	24909798	Swivel, Union		-12 JIC
45	93481562	Injection Manifold		

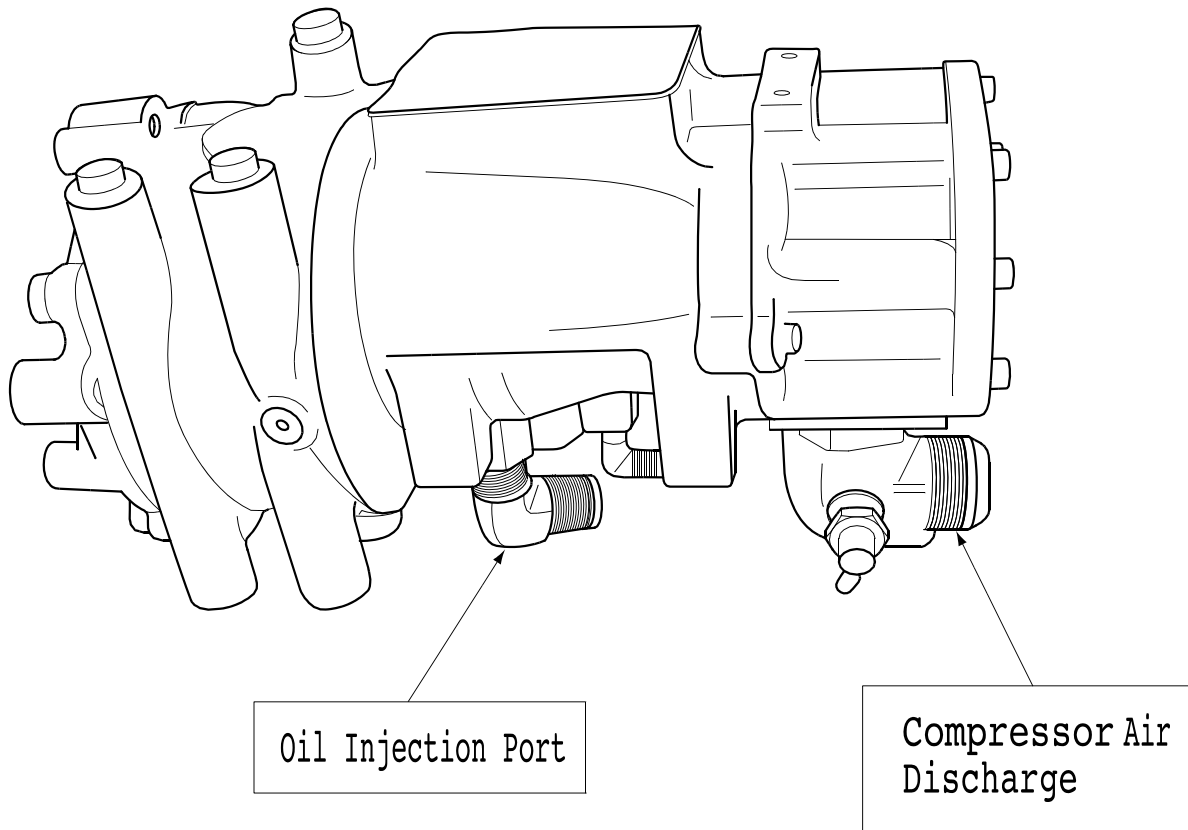
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
46	24909764	Adapter		-12 JIC X -16 JIC
47	95993572	Elbow		1/2 BSP X -5 JIC
48	22643043	Assembly, Airend		CF90D3
49	22742506	Hose		-5 JIC
50	24909905	Elbow		M12 X -5 JIC
51	22276299	Valve, Air Intake		
52	35114545	Tee		1/4" NPT
53	24907263	Check Valve		1/4" NPT
54	24909699	Adapter		1/4" NPT X 1/4" Tube
55	24909442	Adapter		1/4" NPT X 1/4" Tube
56	35333715	Tube		1/4" Synflex
57	24909723	Adapter		1/4" NPT X 3/8" Tube
58	24908832	Elbow		1/4" NPT X 3/8" Tube
59	24909079	Tube		3/8" (Green)
60	24907081	Blowdown Valve		
61	43213388	Orifice		0.093
62	35356484	Tube		3/8" Synflex
63	24906984	Regulator		
64	24909376	Nipple		1/4" NPT
65	24909087	Tube		3/8" (Yellow)
66	22330732	O-Ring		
67	22906499	Adapter		1/4" NPT X 3/8" Tube
68	95934279	Nipple		1/2" NPT
69	95954202	Tee		1/2" NPT
70	36865756	Temperature Switch (Tank)		
71	35604180	Temperature Sender		
72	95930301	Bushing		1/4" X 1/8" NPT
73	36757573	Switch, Press		20 PSI NC
74	24909046	Tube		1/4" (Red)
75	95928230	Plug		1/4 NPT
76	39121363	Plug, HEX		SAE 1.875
77	22596811	Temp Switch (A/E)		
78	22869812	Adapter		1/2" NPT X 1.06 SAE
79	24909244	Nipple		1" NPT X 1" BARB
80	95159489	Adapter		-20 JIC X 1.31 SAE
81	22869796	Elbow		1.06 SAE X -16 JIC

Airend Group



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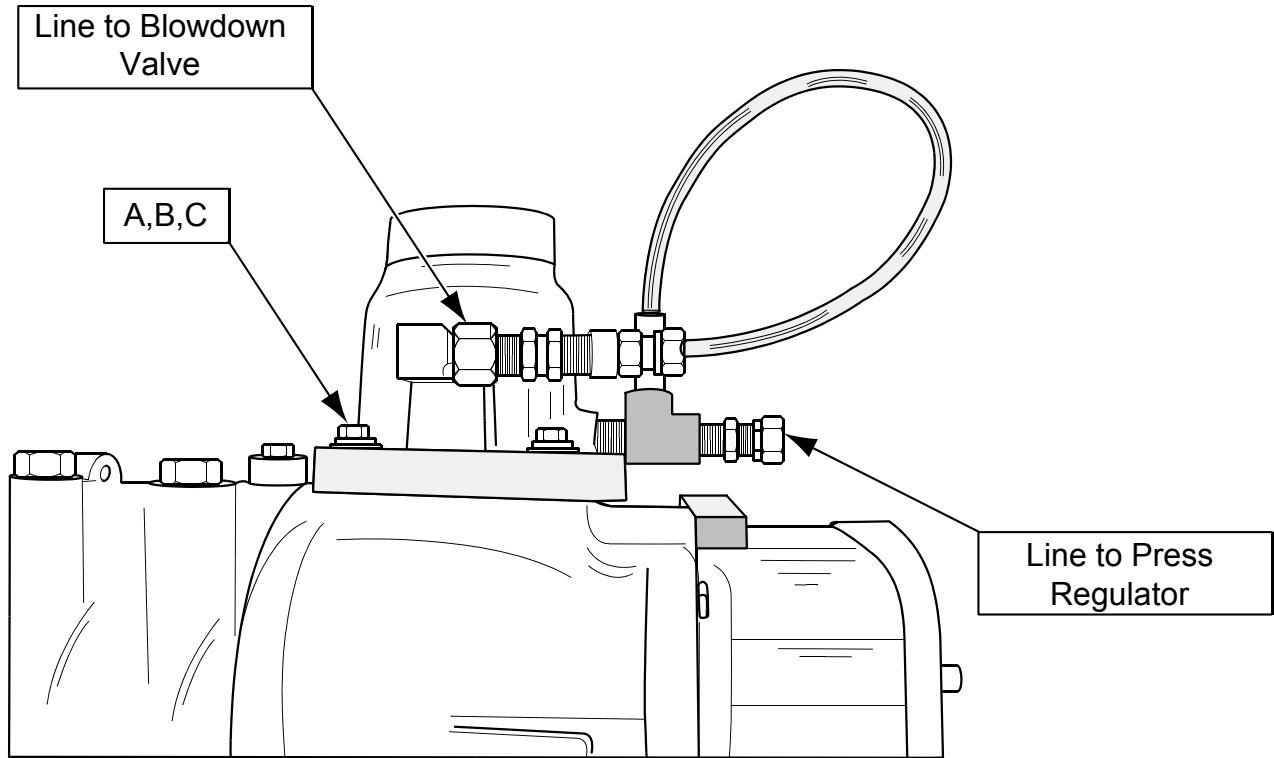
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54629563	Airend,	1	CE55G
B	22698500	Bracket, Airend Mounting	1	
C	22698518	Plate, Airend Mounting	1	
D	96701495	Bolt	4	M12 - 1.75x0.25
E	95934733	Lock Washer	4	
F	96701511	Bolt	3	M16 - 200x100
G	95935052	Washer	6	
N/S	96704630	Nut, Nyloc	3	16mm
N/S	24906307	Drive Shaft Adapter	1	



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES

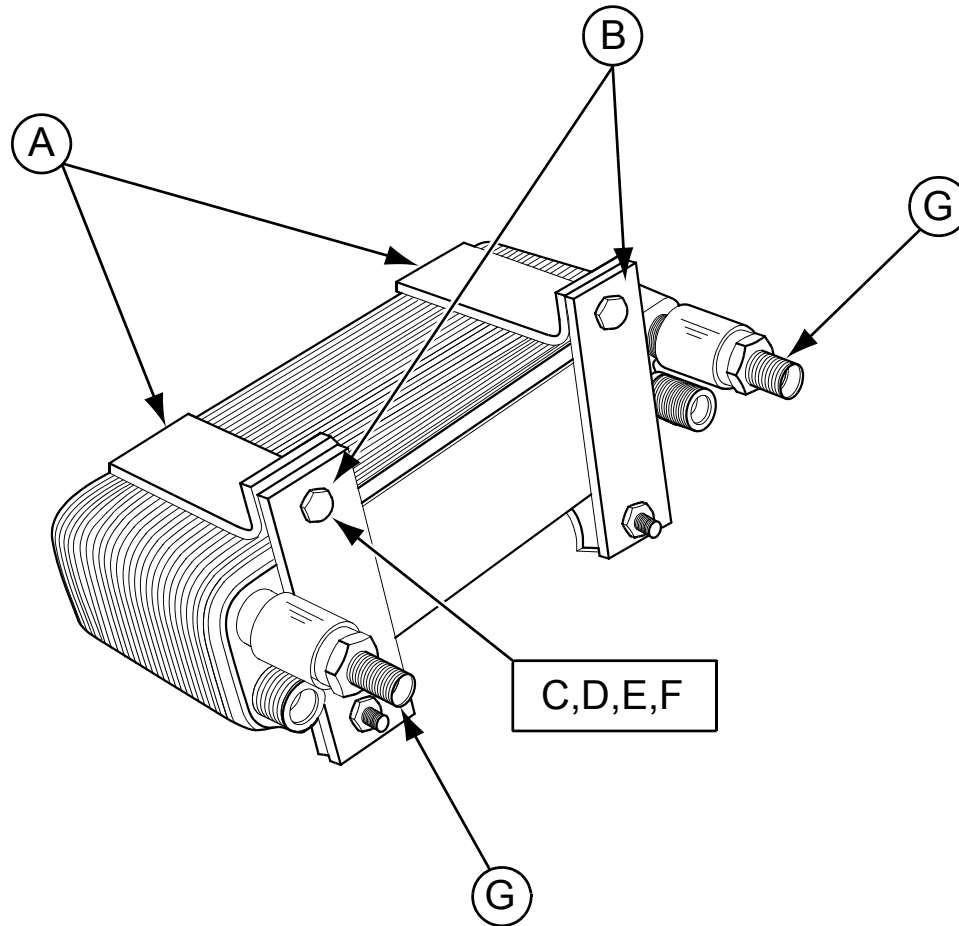
Airend Group



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702824	Bolt	4	M8 -125 x 0.20 CE55G
B	95934303	Lock Washer	4	
C	95934998	Washer, Flat	4	
D	54629563	Airend	1	

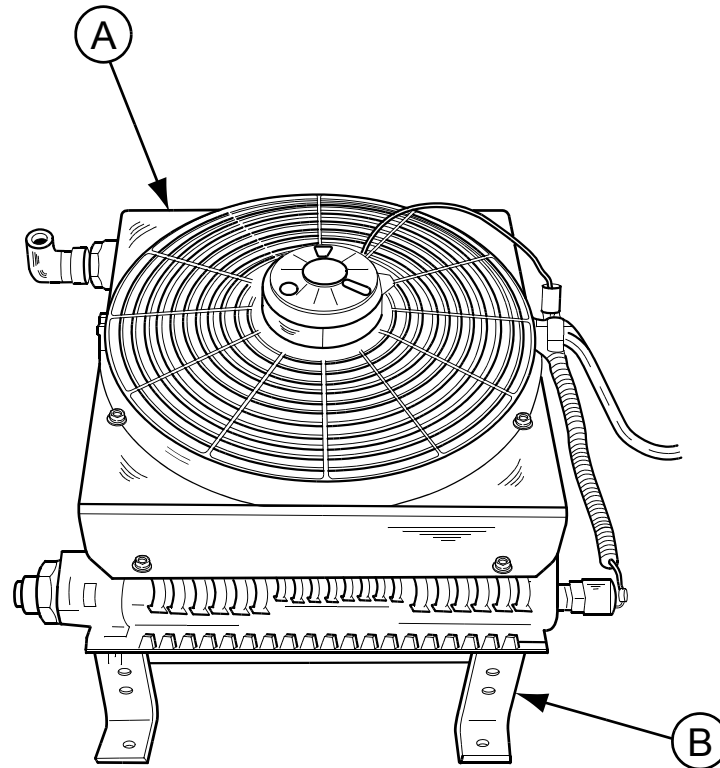
Cooler Group (Water Cooled Units)



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22337190	Bracket, Chassis	2	
B	22337208	Bracket, Strap	2	
C	95920682	Bolt	4	3/8-16
D	95935037	Washer	4	
E	95937413	Lock Washer	4	
F	95922894	Nut	4	3/8-16 Hex
G	24909236	Nipple	2	3/4 NPT x 3/4 Barb
N/S	24909483	Hose, Red Coolant Hose	25Ft	3/4"

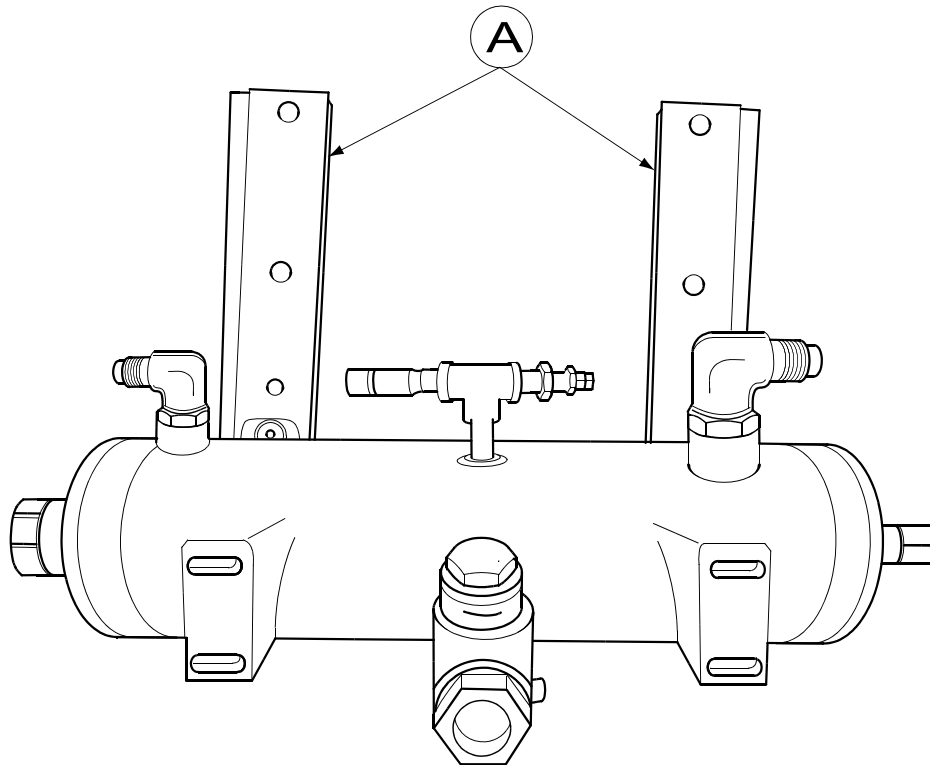
Cooler Group (Air Cooled Units)



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	24907461	Fan/Cooler Assembly	1	8mm x 20mm long 8mm
A1	24907487	Fan 12v, Single	1	
A2	22259873	Heat Exchanger Element	1	
A3	24907420	Fan Shroud	1	
B	22265805	Bracket, Cooler Mounting	2	
N/S	96702824	Screw	4	
N/S	96701396	Washer	4	
Items A1, A2, & A3 are included with the Fan/Cooler Assembly 24907461				

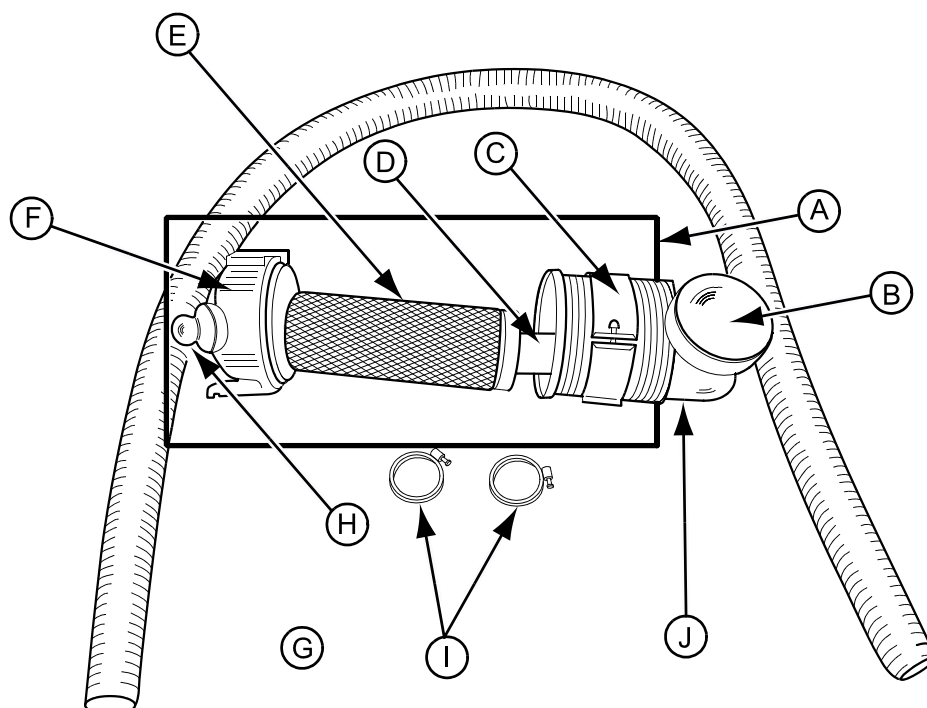
Separator / Receiver Tank Group



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	24906422	Bracket, Separator Tank Mounting	2	
N/S	35144344	Bolt	4	3/8-16x1
N/S	95935003	Washer	4	
N/S	35145077	Nut	4	3/8-16

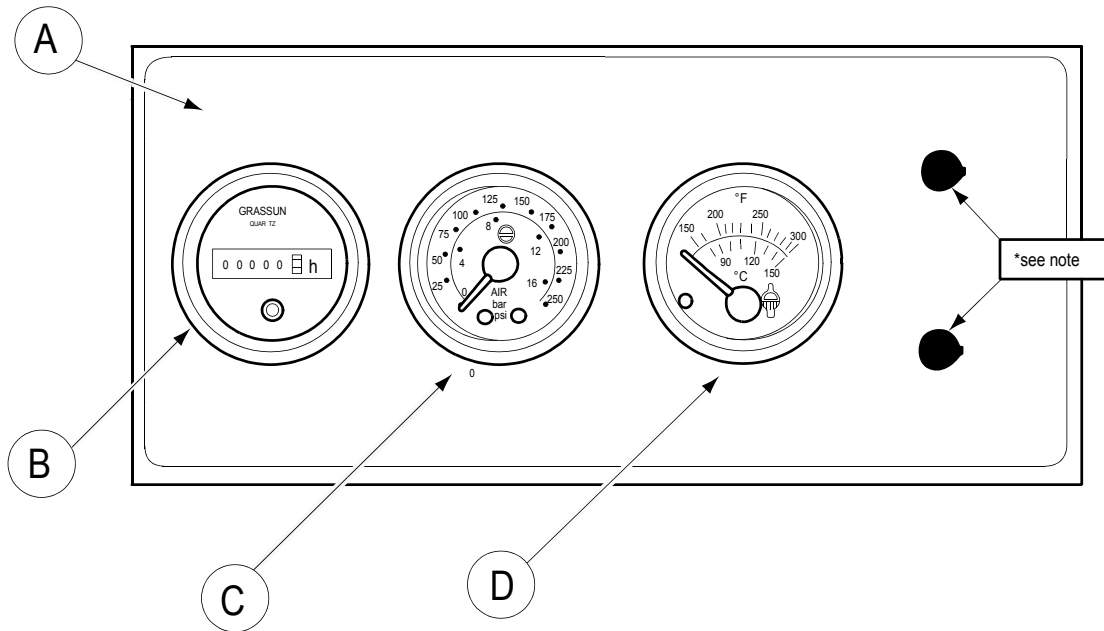
Air Intake Group



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	24906802	Air Cleaner Assembly	1	2" TPU Inlet 2 1/2" OD Hose
B	24906828	Cap, Air Inlet	1	
*C	24906836	Air Cleaner Mounting Band	1	
*D	24906844	Safety Element	1	
*E	24906851	Primary Element	1	
*F	24906869	Canister Cap	1	
G	24909632	Hose	*8	
*H	24906877	Duckbill Drain	1	
I	35222017	Clamp	2	
*J	24906810	Canister Body	1	
		*Included in Assembly P/N 24906802 (Item A)		

Gauge Panel Assembly



23362544_08/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	24906653	Panel, Compressor Control	1	10AMP
B	36841245	Hour Meter	1	
C	36891216	Gauge, Pressure	1	
D	35604115	Gauge, Temperature	1	
N/S	22747505	Circuit Breaker	1	

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