



PARTS MANUAL

COMPRESSOR

HP450B

P600B

PA165

VHP300B

DRILL AIR 400VH

Rev: 01

CPN: 70840210-IBPL



DATE: JULY, 2009
Revised (09-12)

Read this Instruction manual before operating this unit

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COMPRESSOR

HP450B, P600B, PA165, VHP300B & DRILL AIR 400VH

SERIAL NO.: _____

CUSTOMER: _____

ORDER NO.: _____

ORDERING INSTRUCTIONS

**BY GIVING COMPLETE INFORMATION YOU WILL ENABLE US TO FILL
YOUR ORDER CORRECTLY AND AVOID UNNECESSARY DELAYS**

When ordering replacement parts, please specify

1. The Model
2. The Complete Serial Number of the Machine
3. The name of each part as listed
4. The Part Number of the Parts required
5. The Quantity of each Part required

**REFER ALL COMMUNICATIONS CONCERNING THIS MACHINE TO OUR
NEAREST BRANCH OFFICE / DISTRIBUTOR.**

**DOOSAN INFRACORE INDIA
PLAT NO. 34, DOOR NO. 1/61-19
PALWELL STREET, RAVI COLONY,
ST. THOMAS MOUNT,
CHENNAI - 600 016
INDIA**

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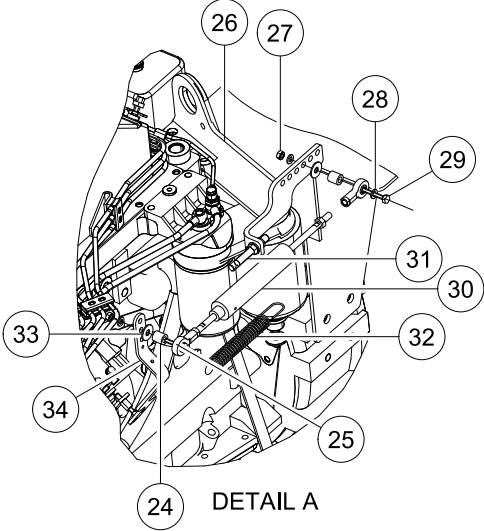
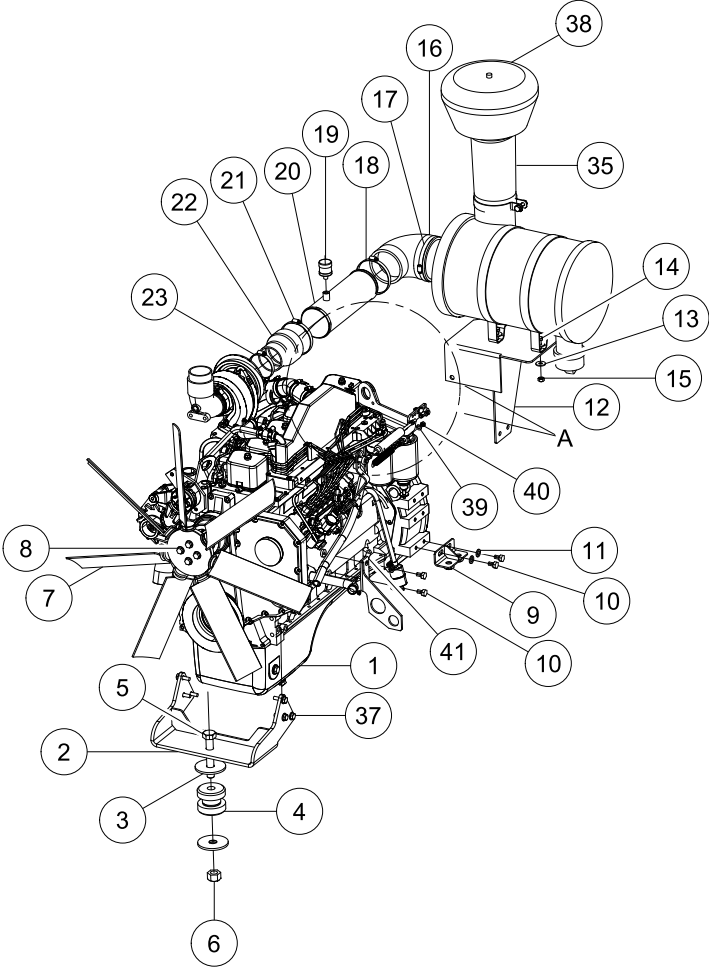
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PARTS LIST



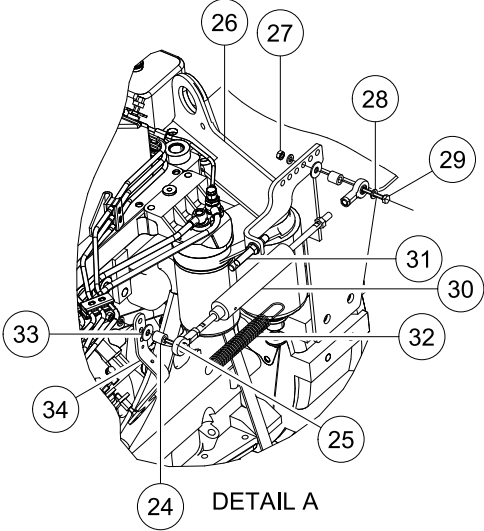
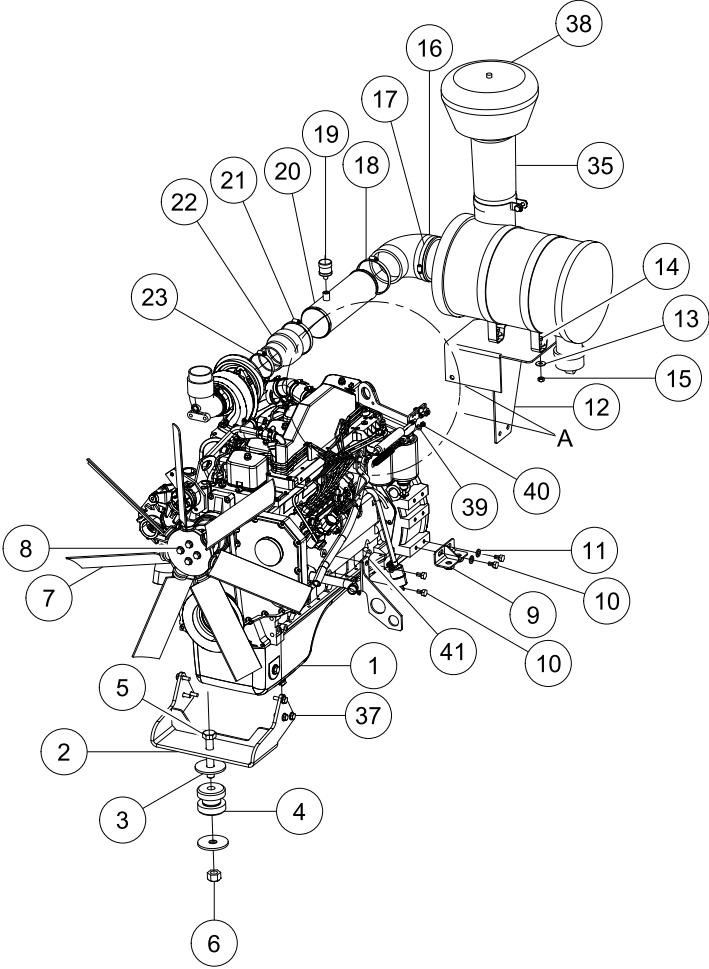
ASSEMBLY ENGINE



ASSEMBLY ENGINE

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70839410	ENGINE	1	
2	70841051	BRACKET, ENGINE MOUNTING FRONT	1	
3	70837018	WASHER HARD, ANTI VIBRATION MOUNTING	2	
4	70830575	MOUNT, ANTI VIBRATION	1	
5	70810932	BOLT, HEX HEAD	1	
6	70810742	NUT, HEX FINISH PLATED	1	
7	70885801	FAN	1	
8	94126018	SCREW HEX HEAD	4	
9	70768320	BRACKET, SUPPORT	2	
10	94036829	SCREW HEX HEAD	6	
11	94037553	WASHER PLAIN	16	
12	70840178	BRACKET AIR CLEANER MOUNTING ENGINE	1	
13	96714399	WASHER PLAIN	8	
14	70810726	SCREW HEX HEAD	4	
15	96712807	NUT HEX	4	
16	70841119	HOSE ELBOW	1	
17	70841796	CLAMP	1	
18	70841804	CLAMP	1	
19	94043189	INDICATOR CLOG	1	
20	70841077	DUCT, ENGINE AIR INTAKE	1	
21	70841812	CLAMP	1	
22	70841069	HOSE, TURBO INLET	1	
23	70841739	CLAMP	1	
24	70828603	SPACER THROTTLE CYLINDER	2	
25	35328467	ROD END	2	
26	70840681	BRACKET, AIR CYLINDER MOUNTING	1	
27	96704234	NUT HEX	2	
28	97140594	WASHER PLAIN	4	
29	94053725	SCREW, HEX HEAD	2	
30	54466859	CYLINDER AIR	1	
31	70695606	PIN, ADJUSTER SPRING	1	
32	70859202	SPRING EXTENSION	1	
33	70155726	WASHER HARD	2	
34	70841200	LEVER THROTTLE CYLINDER	1	
				Continued.....

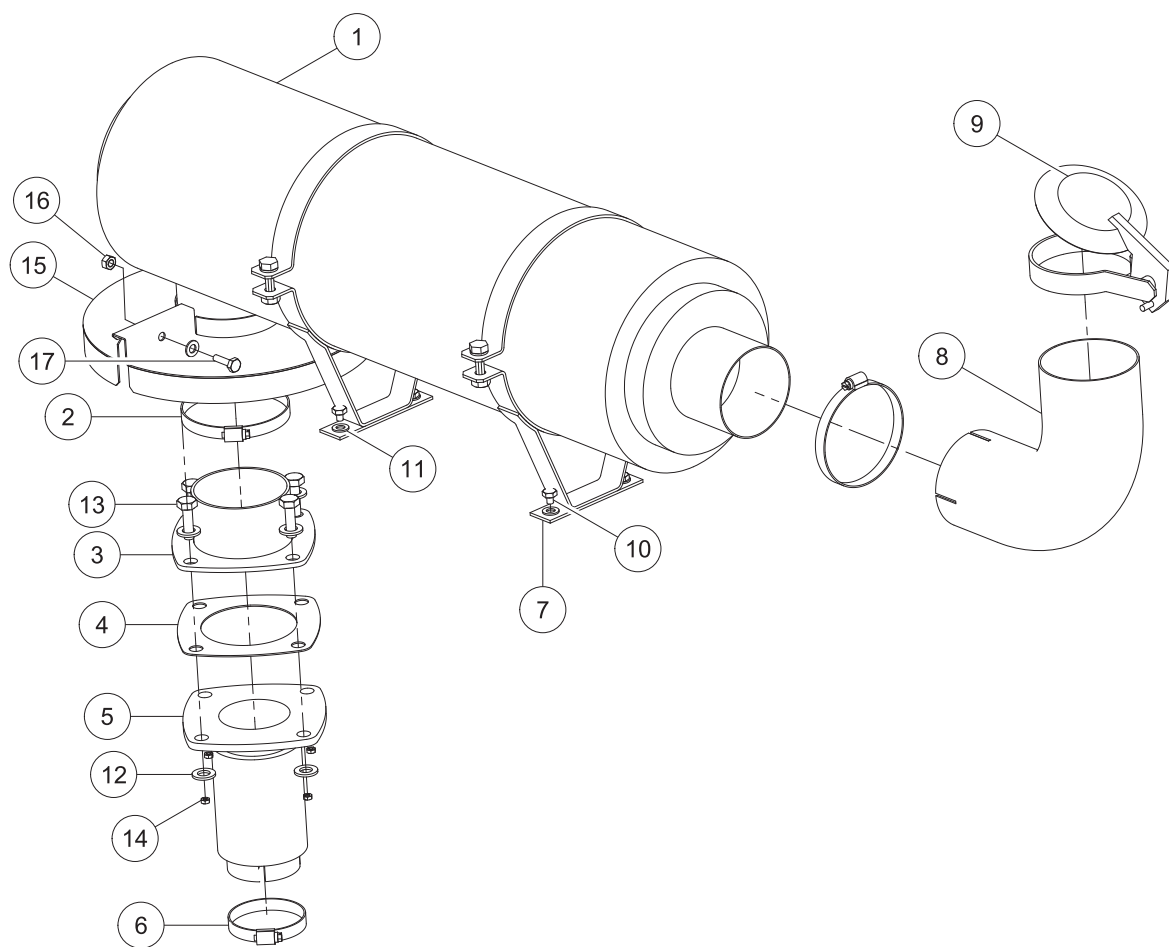
ASSEMBLY ENGINE



ASSEMBLY ENGINE

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
35	70560644	DUCT, FILTER TO PRECLEANER	1	Continued
37	96702329	SCREW HEX HEAD	6	
38	70086533	PRE CLEANER	1	
39	94042744	WASHER PLAIN	2	
40	96701370	NUT HEX	2	
41	70869904	BRACKET CLUSTER MOUNTING	1	
NOTE: ITEM 35 AND 38 ARE APPLICABLE FOR PA165 AND VHP300B MACHINE ONLY AND ALSO FOR SAND BLASTING APPLICATION.				

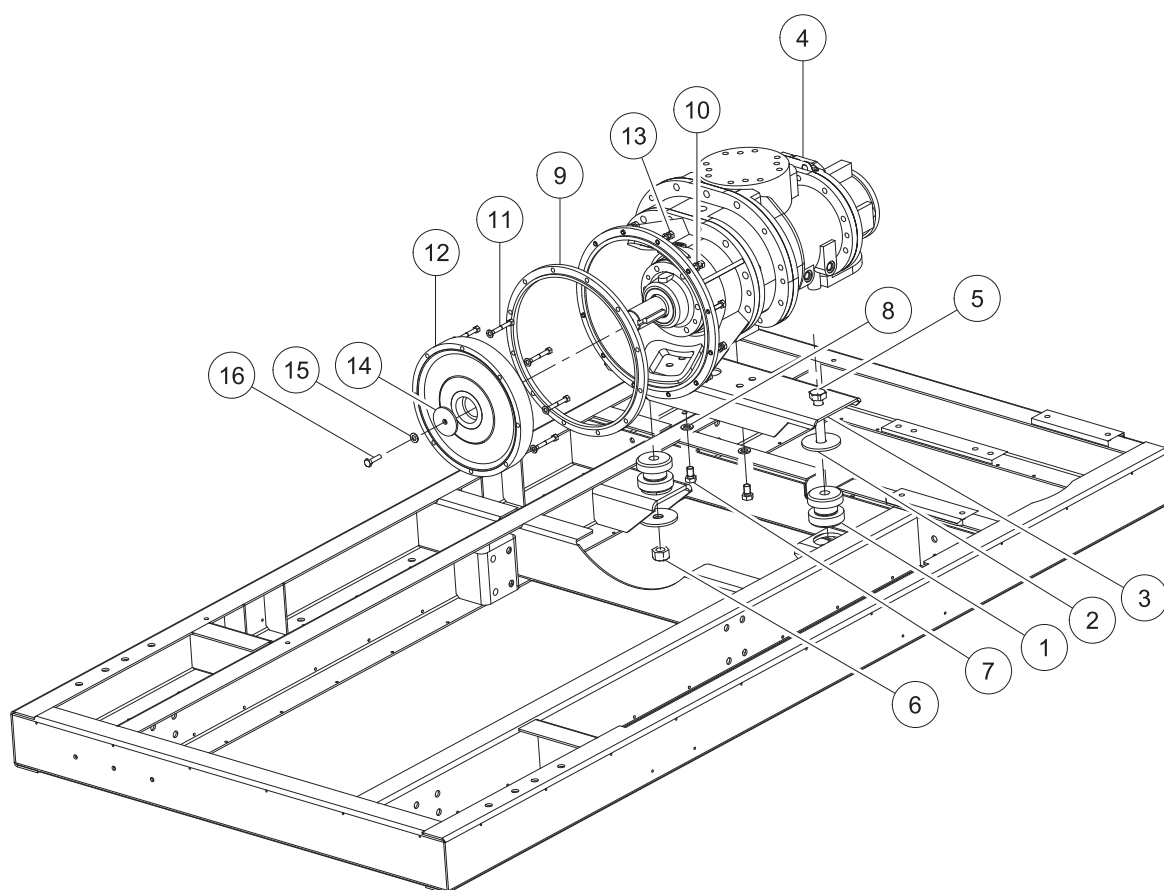
ASSEMBLY EXHAUST



ASSEMBLY EXHAUST

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70841135	SILENCER EXHAUST	1	
2	70841812	CLAMP, SILENCER	2	
3	70840590	PIPE, EXHAUST INLET	1	
4	70841226	GASKET, SILENCER INLET	1	
5	70840582	PIPE, FLEXIBLE (BELOW)	1	
6	70803721	CLAMP, SILENCER	1	
7	70841143	CLAMP ASSEMBLY	2	
8	70841671	ELBOW, EXHAUST	1	
9	35504364	RAINCAP	1	
10	96713177	SCREW HEX HEAD	4	
11	94042744	WASHER PLAIN	6	
12	96738596	WASHER FLAT	8	
13	96702329	SCREW HEX HEAD	4	
14	96704291	NUT HEX	4	
15	70893789	COVER, EXHAUST CUT OUT	1	
16	96701370	HEX NUT	2	
17	96702659	SCREW, HEX HEAD	2	
NOTE: ITEMS 1, 2, 4, 5 AND 6 ARE PART OF ENGINE 70839410.				

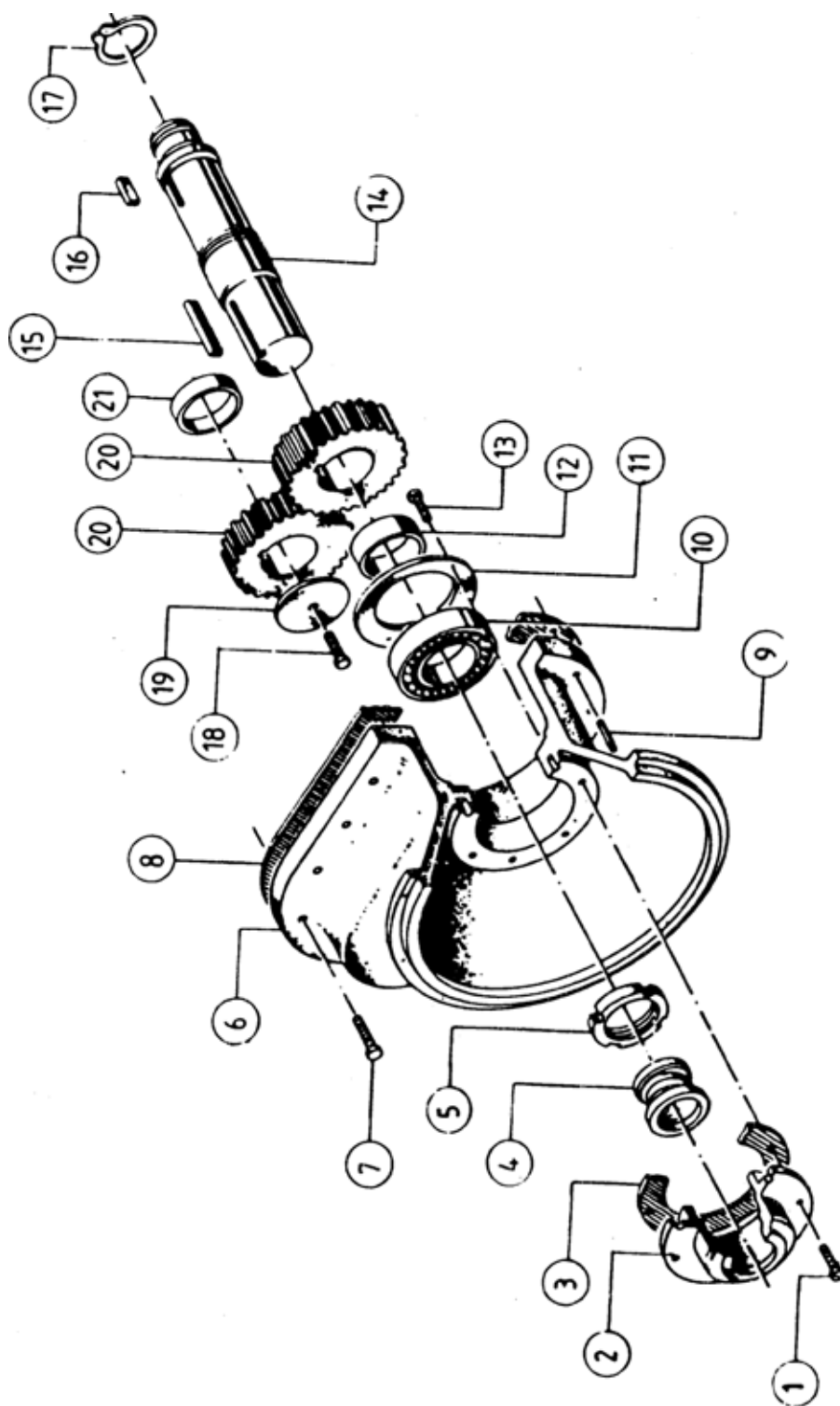
AIREND ASSEMBLY AND MOUNTING



AIREND ASSEMBLY AND MOUNTING

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70830575	ANTI VIBRATION MOUNT	2	
2	70837018	WASHER HARD FLAT	4	
3	70841093	BRACKET, AIREND MOUNTING	1	
4	70250543	AIREND - P600B	1	
-	70618830	AIREND - PA165 / HP450B	1	
-	35096494	AIREND - VHP 300B	1	
-	70889449	AIREND - DRILL AIR 400VH	1	
5	70810932	BOLT HEX HEAD	2	
6	70810742	NUT, HEX FINISH	2	
7	81296998	SCREW HEX HEAD	2	
8	96716345	WASHER FLAT	2	
9	70840111	SPACER, ADAPTER	1	
10	96714399	WASHER PLAIN	20	
11	94252780	BOLT HEX HEAD	8	
12	70841820	COUPLING, FLEXIBLE	1	
13	97141063	SCREW HEX HEAD	12	
14	70661699	LOCK PLATE	1	
15	96738596	WASHER FLAT	1	
16	96702444	SCREW HEX HEAD	1	
17*	70838065	ASSEMBLY AIREND TUBING COMPLETE	1	
18*	70839568	INSTALLATION COUPLING	0	
	70866934	ELEMENT COUPLING	1	
NOTE: ITEMS MARKED * ARE NOT SHOWN IN THE DRAWING.				

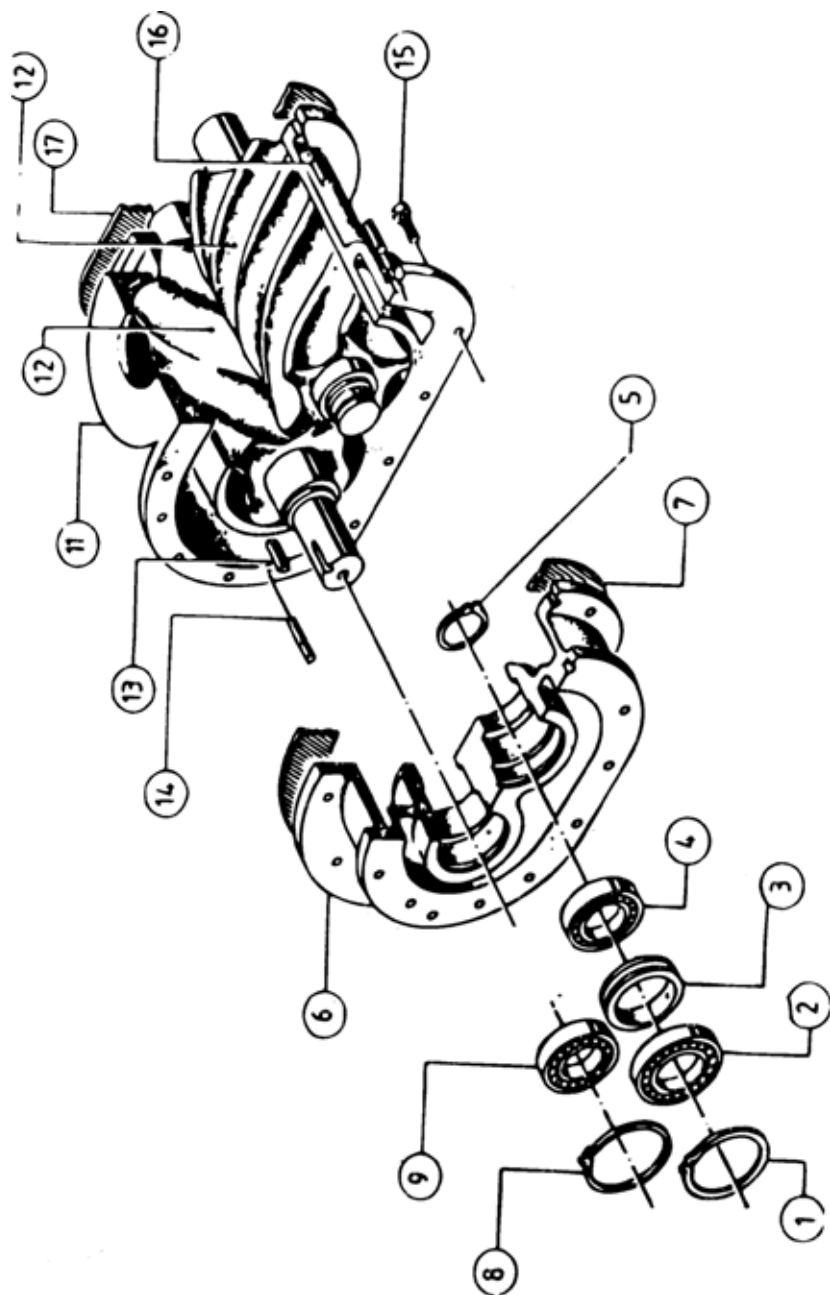
AIREND ASSEMBLY



AIREND ASSEMBLY

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35272533	SCREW	6	
2	35592757	COVER, OIL SEAL	1	
3	35210087	GASKET	1	
4	35593508	SEAL OIL	1	
5	35104082	NUT, LOCK	1	
6	35996164	CASE, GEAR	1	
7	35272541	SCREW	12	
8	38437637	GASKET	1	
9	95239919	PIN, DOWEL	2	
10	35601517	BEARING	1	
11	35573070	PLATE, RETAINER	1	
12	35269224	SPACER, BEARING	1	
13	95264149	SCREW	4	
14	35851146	SHAFT, DRIVE	1	
15	35361336	KEY	1	
16	35361328	KEY, GEAR	1	
17	95096806	RING, RETAINING	1	
18	35108372	BOLT, PLACE	1	
19	35255827	PLATE, CLAMP	1	
20	36751659	GEAR SET - P600B	1	
-	70619507	GEAR SET - HP450B / PA165	1	
-	35327063	GEAR SET VHP300	1	
-	70103379	GEAR SET DRILL AIR 400VH	1	
21	35262716	SPACER, MALE ROTOR	1	

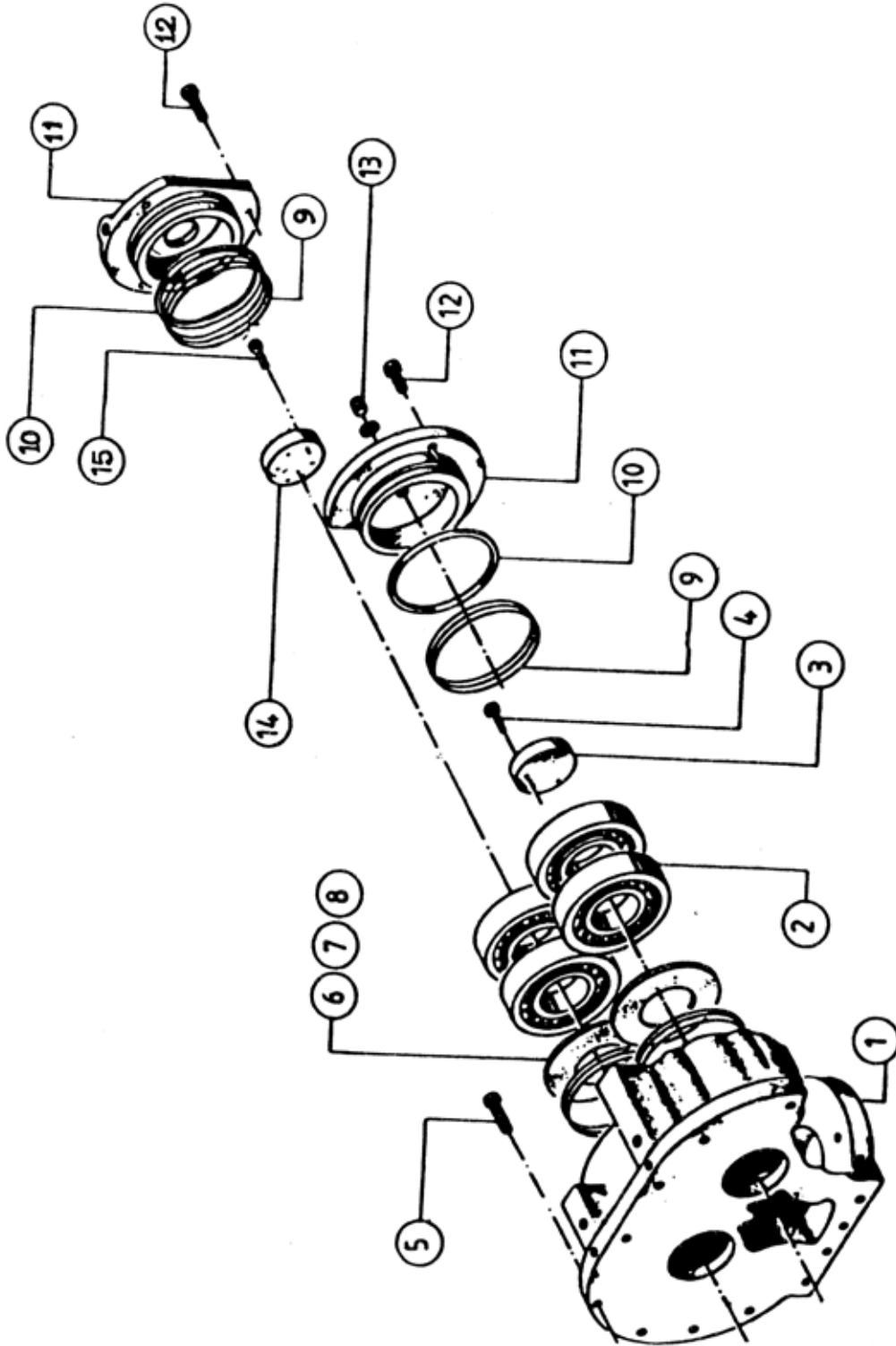
AIREND ASSEMBLY



AIREND ASSEMBLY

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	95223178	RING, RETAINING	1	
2	35313568	BEARING	1	
3	35270131	SPACER, BEARING	1	
4	35609361	BEARING, FRONT	1	
5	95223475	RING, RETAINING	1	
6	39703921	HOUSING, FRONT BEARING	1	
7	35518497	GASKET	1	
8	95223194	RING, RETAINING	1	
9	35313535	BEARING, MALE ROTOR	1	
11	39748942	HOUSING, ROTOR	1	
12	36008241	SET, ROTOR	1	
13	95381109	KEY	1	
14	35332915	PIN, LOCATING	2	
15	35272541	SCREW	13	
16	95239927	PIN, DOWEL	2	
17	39437629	GASKET	1	

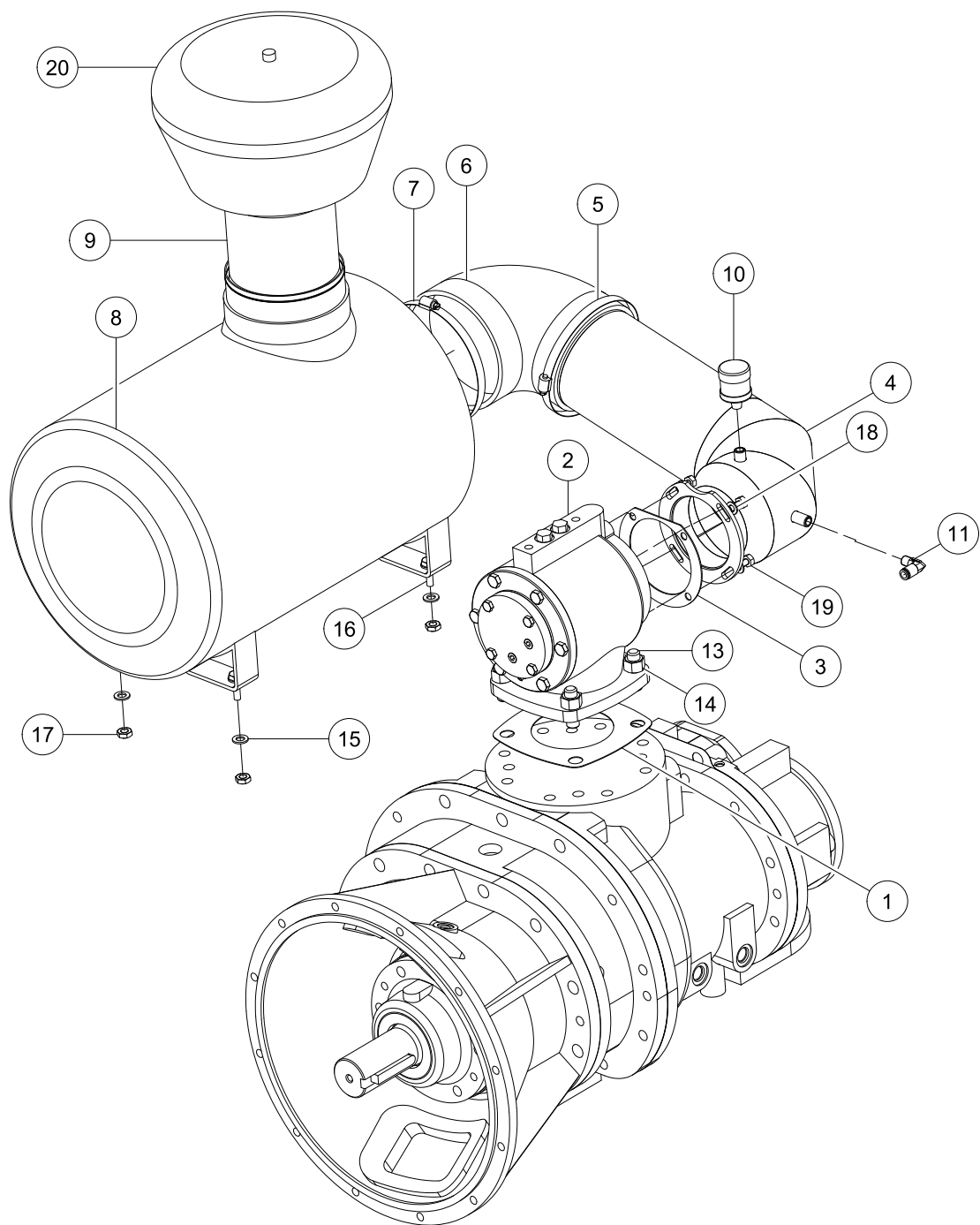
AIREND ASSEMBLY



AIREND ASSEMBLY

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36769404	HOUSING, REAR BEARING	1	
2	39437595	BEARING ASSEMBLY	4	
3	35262690	PLATE, CLAMP	1	
4	35104108	BOLT	3	
5	35272541	SCREW	12	
6	35364769	SHIM SET	2	
7	35313600	SHIM SET	4	
8	35313618	SHIM SET	4	
9	35354448	SHIM SET	1	
10	95358131	O RING	2	
11	35600832	COVER, FRONT	2	
12	35271147	SCREW	6	
13	35287556	PLUG	1	
14	70250451	CLAMP PLATE	1	
15	70250444	SCREW	8	

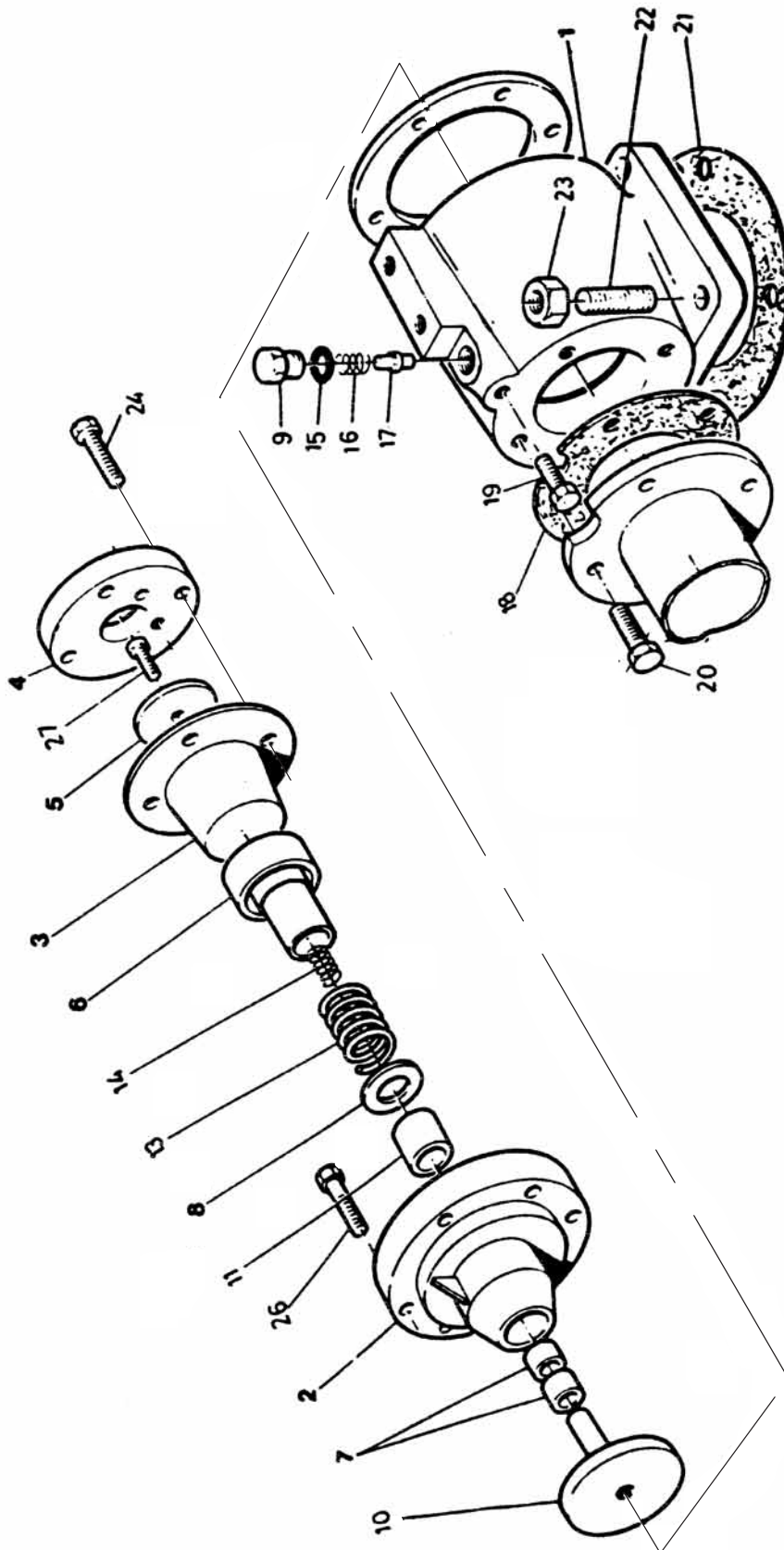
ASSEMBLY AIREND AIR INTAKE



ASSEMBLY AIREND AIR INTAKE

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	94114063	GASKET	1	
2	94115987	ASSEMBLY UNLOADER VALVE	1	
3	94114204	GASKET	1	
4	70840186	DUCT AIR INTAKE	1	
5	94157443	CLAMP, HOSE	1	
6	94157393	ELBOW AIR INTAKE	1	
7	94157435	CLAMP, HOSE	1	
8	70609656	FILTER	1	
9	70101548	DUCT, FILTER TO PRECLEANER	1	
10	94043189	INDICATOR, CLOG	1	
11	39155577	ELBOW	1	
13	70130729	STUD	4	
14	96711882	NUT HEX	4	
15	96714399	WASHER PLAIN	8	
16	96713326	SCREW, HEX HEAD	4	
17	14083349	LOCK NUT	4	
18	96719745	WASHER, PLAIN	4	
19	96718820	SCREW	4	
20	70086533	PRE CLEANER	1	
21*	39124813	TUBE NYLON	22"	
22*	94039625	PLUG PIPE	2	
NOTE: ITEM 9 AND 20 ARE APPLICABLE FOR PA165 AND VHP300B MACHINE ONLY AND ALSO FOR SAND BLASTING APPLICATION. ITEMS MARKED * ARE NOT SHOWN IN DRAWING.				

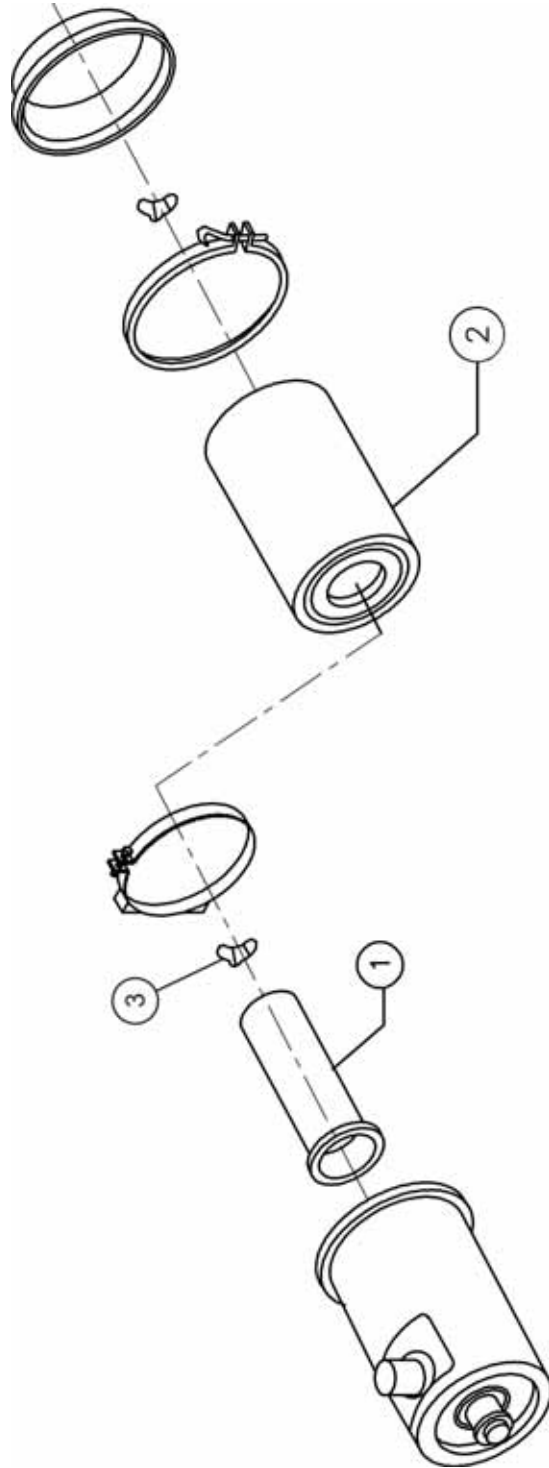
UNLOADER VALVE ASSEMBLY



UNLOADER VALVE ASSEMBLY

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-17	94115987	VALVE, UNLOADER	1	
1	94115896	BODY UNLOADER	1	
2	94115904	PISTON HOUSING	1	
3	35317197	UNLOADER DIAPHRAGM	1	
4	94115912	COVER PISTON	1	
5	94115920	WASHER FOR PISTON	1	
6	94115979	PISTON UNLOADER	1	
7	35318005	BUSHING	2	
8	94115888	WASHER SPACER	1	
9	97119986	PLUG	1	
10	94115953	VALVE UNLOADER	1	
11	35318013	BUSH	1	
12	94115870	GASKET	1	
13	35322767	SPRING UNLOADER	1	
14	35321603	SPRING	1	
15	70537063	O RING	1	
16	35318914	SPRING	1	
17	94115862	PIN	1	
18	94114204	GASKET	1	
19	94060852	PLUG	1	
20	94037090	SCREW	4	
21	94114063	GASKET	1	
22	70130729	STUD	4	
23	94037611	NUT	4	
24	96713185	SCREW	4	
26	96713318	SCREW	6	
27	35321595	CAPSCREW SOCKET HEAD	1	
	35088798	REPAIR KIT (PORTABLES)	1	

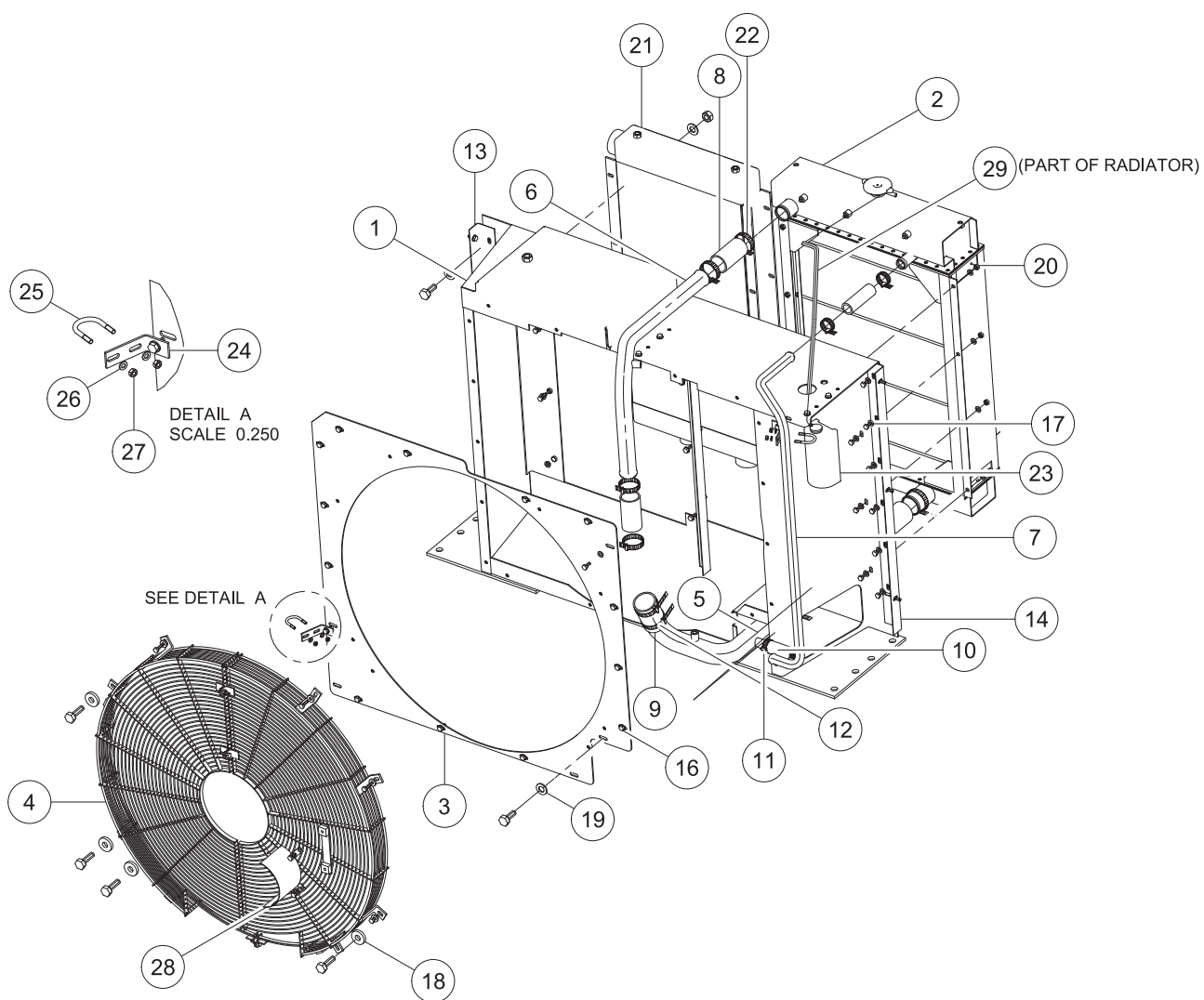
AIR FILTER ASSEMBLY



AIR FILTER ASSEMBLY

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		AIR FILTER ASSEMBLY, COMPRESSOR (70609656)		
1	70509161	ELEMENT, INNER	1	
2	70509179	ELEMENT, OUTER	1	
3	94165743	EVACUATOR VALVE	1	
		AIR FILTER ASSEMBLY, ENGINE (70849666)		
1	70849658	ELEMENT, INNER (CIL3814313)	1	
2	70849641	ELEMENT, OUTER (CIL3814312)	1	
3	94165743	EVACUATOR VALVE	1	

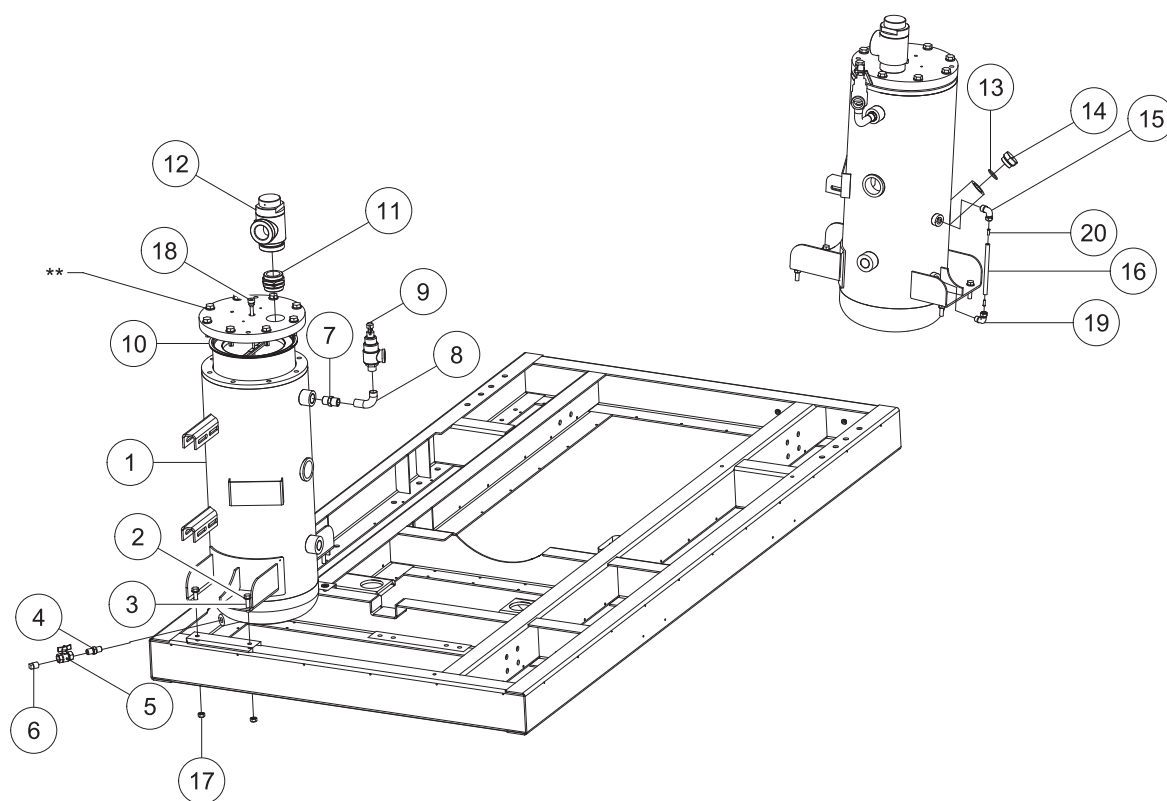
ASSEMBLY RADIATOR AND COOLING



ASSEMBLY RADIATOR AND COOLING

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70840657	COWLING ROC	1	
2	70841713	RADIATOR - P600B	1	
3	70840665	PLATE ORIFICE	1	
4	70890595	GUARD FAN	1	
5	70840152	PIPE RADIATOR OUT	1	
6	70840145	PIPE RADIATOR IN	1	
7	70843545	TUBE MAKEUP LINE	1	
8	94115565	HOSE (PART OF ENGINE)	2	
9	70847892	HOSE RADIATOR	2	
10	70841721	HOSE MAKEUP LINE	2	
11	94034287	CLIP HOSE	4	
12	70847876	CLAMP HOSE	4	
13	70840632	BAFFLE RH	1	
14	70840624	BAFFLE LH	1	
16	96713185	SCREW HEX HEAD	16	
17	96718820	SCREW HEX HEAD	48	
18	70864038	WASHER HARD	8	
19	96719745	WASHER PLAIN	61	
20	96701370	NUT HEX	9	
21	70865753	COOLER OIL	1	
22	70847850	CLAMP HOSE	4	
23	70847793	COOLANT RECOVERY BOTTLE	1	
24	70855713	BRACKET CLAMPING	2	
25	70866199	U CLAMP	2	
26	96719729	WASHER PLAIN	4	
27	96704234	NUT HEX	4	
28	70847090	GUARD ENGINE ALTERNATOR	1	
29	94115565	HOSE RADIATOR	2	

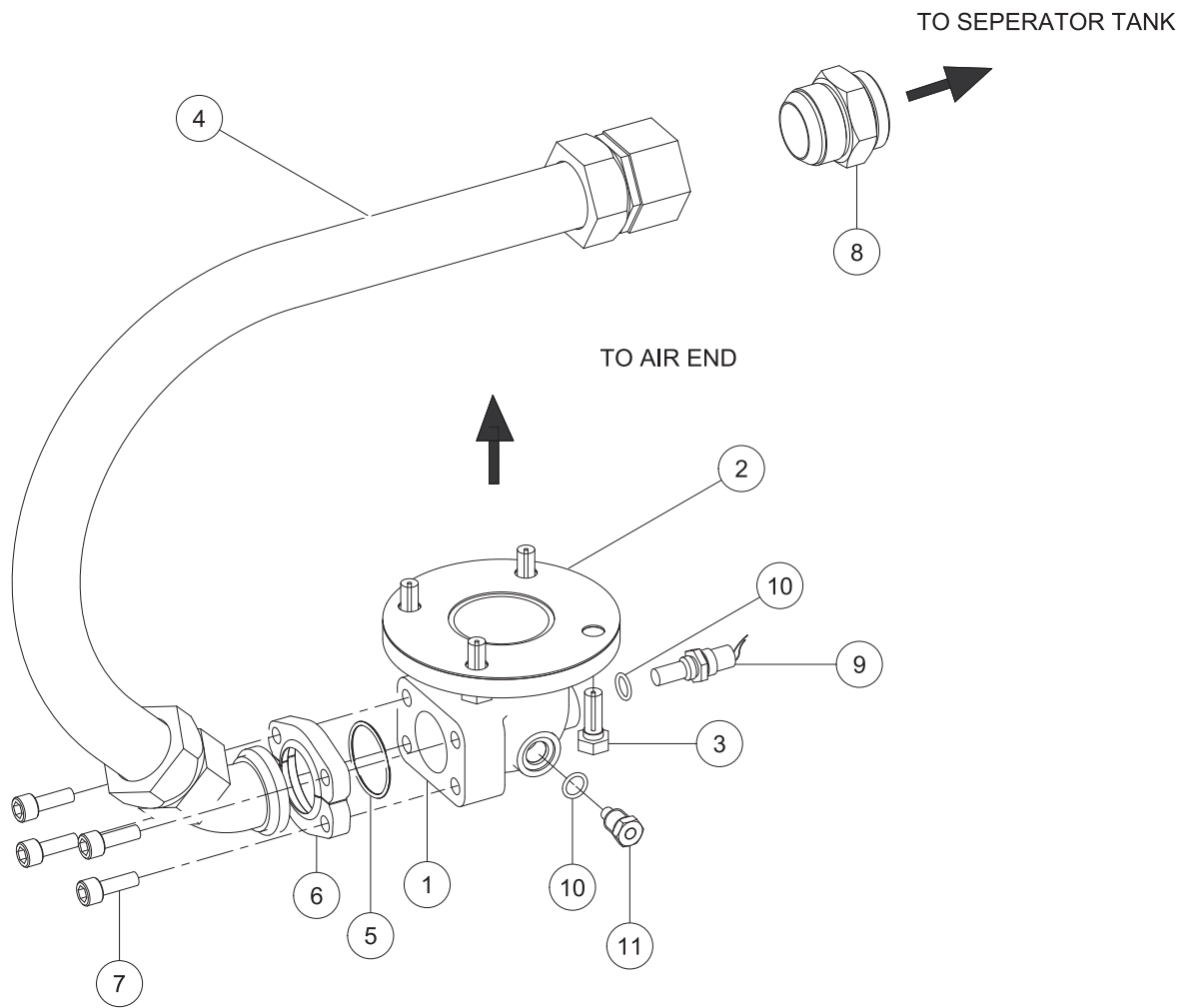
ASSEMBLY SEPARATOR TANK



ASSEMBLY SEPARATOR TANK

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70830955	TANK, SEPARATOR	1	
2	94037553	WASHER PLAIN	8	
3	96705595	SCREW HEX HEAD	4	
4	97120976	NIPPLE HEX	1	
5	70614755	VALVE BALL	1	
6	97114268	PLUG	1	
7	70848262	NIPPLE HEX	1	
8	95069332	ELBOW	1	
9	54731450	VALVE, SAFETY	1	
10	22111975	ELEMENT, SEPARATOR	1	
11	70847058	ADAPTER ORIFICE	1	
12	70830203	MINIMUM PRESSURE VALVE	1	
13	70537113	O RING	1	
14	94113651	PLUG	1	
15	22685481	COMPRESSION ELBOW, THICK WALL	1	
16	22685523	TUBE, SIGHT GAGE	1	
17	94034162	HEX NUT	4	
18	54721337	ADAPTER OIL SCAVENGE	1	
19	22685499	COMPRESSION ELBOW	1	
20	22685507	INSERT	2	
NOTE: ** RECEIVER TOP COVER BOLTS TIGHTENING TORQUE: 60ft-lb.				

ASSEMBLY DISCHARGE PIPING

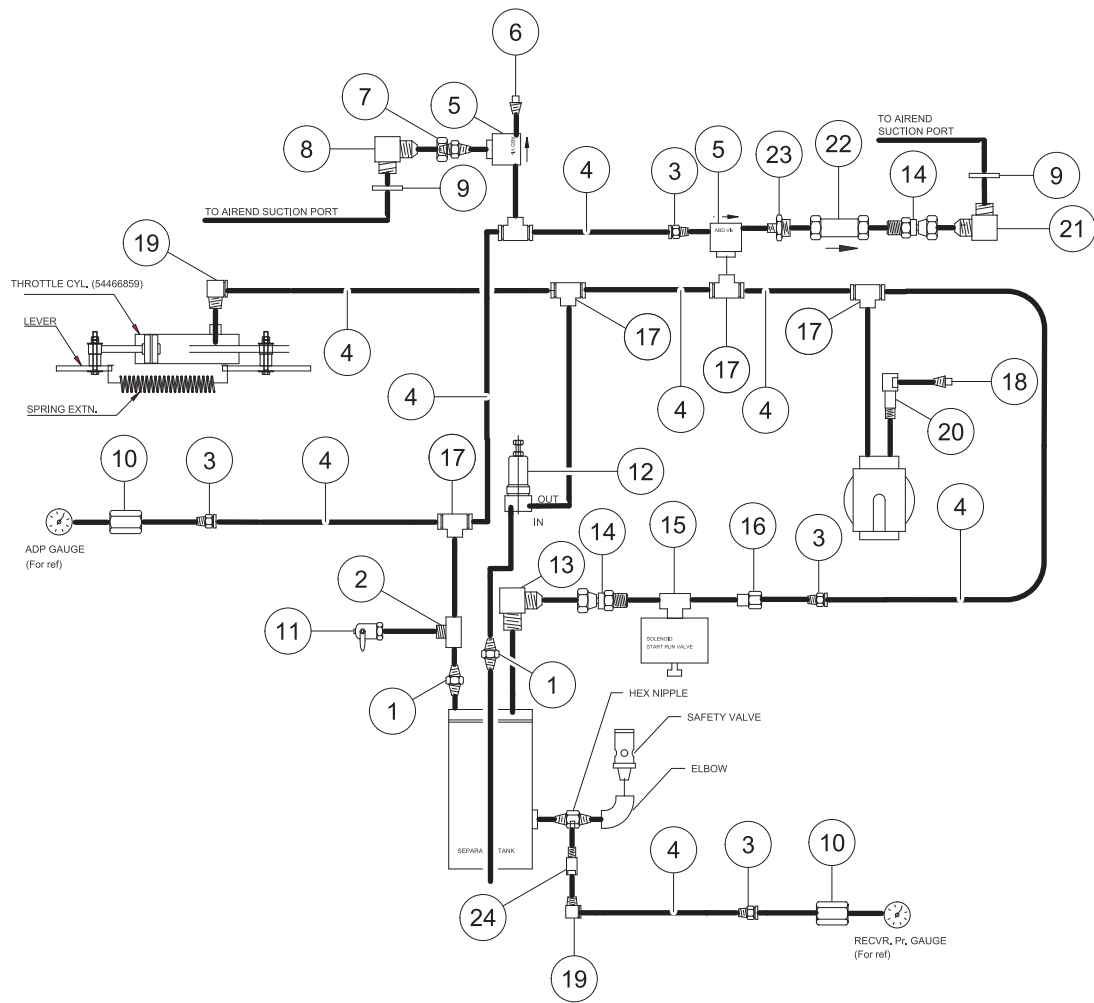


ASSEMBLY DISCHARGE PIPING

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35842160	DISCHARGE ELBOW	1	
2	94034246	GASKET	1	
3	94124237	SCREW HEX HEAD	4	
4	54688015	HOSE DISCHARGE	1	
5	97112536	O RING	1	
6	70882816	FLANGE SPLIT	2	
7	94129889	SCREW SOCKET HEAD CAP	4	
8	95985578	CONNECTOR	1	
9	39419668	SWITCH TEMPERATURE	1	
10	70537063	O RING	2	
11	70842745	ADAPTER TEMPERATURE PROBE	1	

PIPING AIR

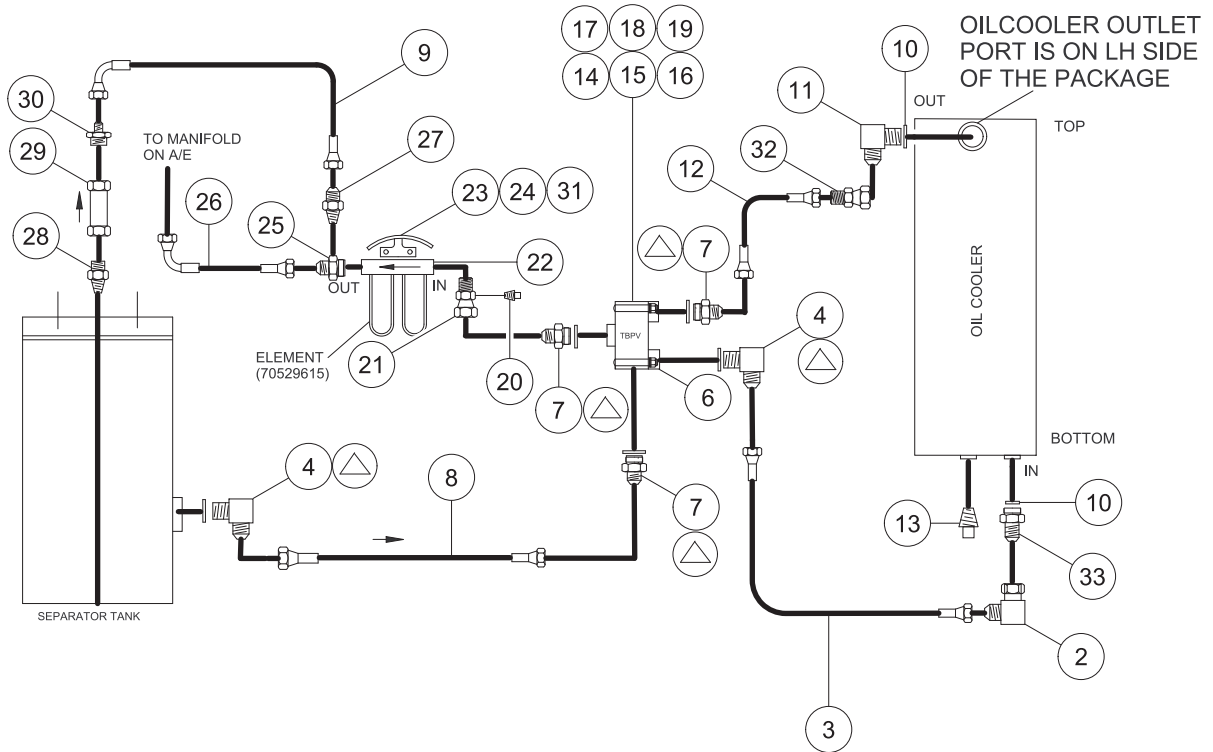
PIPING AIR



PIPING AIR

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	94028206	NIPPLE HEX	2	
2	95940672	ADAPTER TEE	1	
3	35369347	MALE CONNECTOR	4	
4	35356484	NYLON TUBE	320"	
5	70083092	VALVE AUTO BLOWDOWN	2	
6	70828629	ORIFICE	1	
7	70848304	ADAPTER STRAIGHT	1	
8	94080850	ADAPTER ELBOW	1	
9	70537055	O RING	2	
10	95446639	COUPLING	2	
11	70644224	BALL VALVE	1	
12	36896892	PRESSURE REGULATOR	1	
13	94065406	ADAPTER ELBOW	1	
14	81271876	ADAPTER STRAIGHT	2	
15	36842300	SOLENOID START/ RUN VALVE	1	
16	95056040	BUSHING REDUCER	1	
17	35373976	ADAPTER TEE	5	
18	94313962	ORIFICE PLUG	1	
19	35370386	MALE ELBOW	2	
20	70747597	ADAPTER NIPPLE	1	
21	94113636	ADAPTER ELBOW	1	
22	94162948	VALVE CHECK	1	
23	94030749	NIPPLE HEX	1	
24	70615935	ADAPTER STRAIGHT	1	

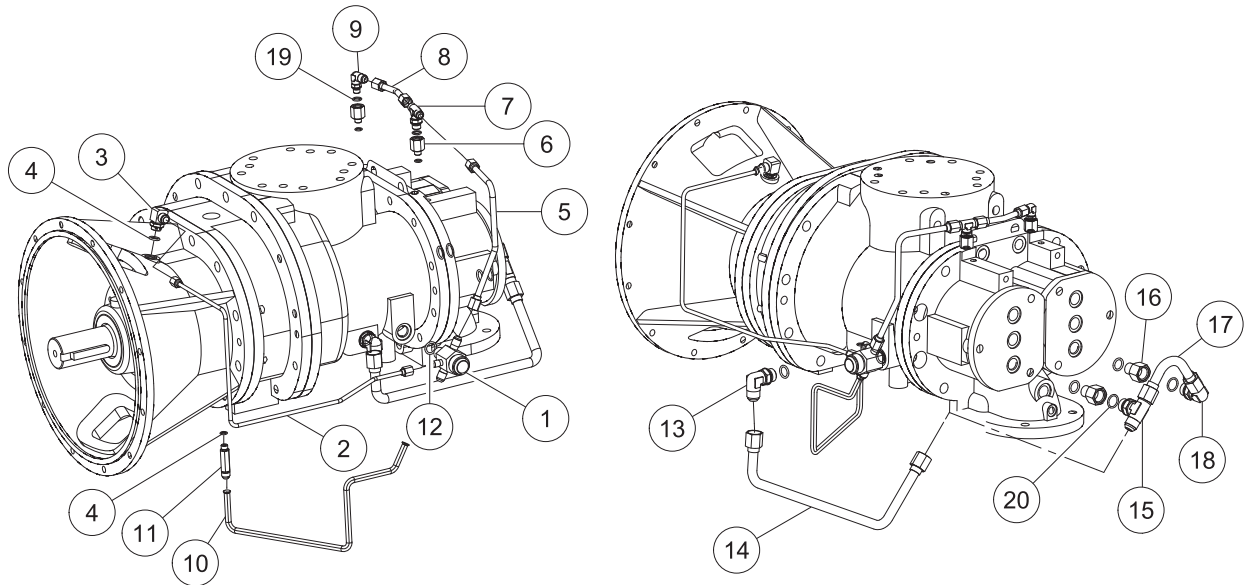
PIPING OIL



PIPING OIL

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
2	97132856	ADAPTER ELBOW	1	
3	70843016	TUBE ASSEMBLY TBPV TO HOC	1	
4	39476973	ADAPTER ELBOW	2	
Δ	70537105	O RING	5	
6	54414420	TEMPERATURE BYPASS VALVE	1	
7	39476999	CONNECTOR	3	
8	94038098	HOSE HYDRAULIC	1	
9	97120588	HOSE HYDRAULIC	1	
10	70537113	O RING	2	
11	95357604	ADAPTER ELBOW	1	
12	70843008	TUBE ASSEMBLY HOC TO TBPV	1	
13	97111389	PLUG	1	
14	96719745	WASHER FLAT	8	
15	70872833	BOLT HEX HEAD	4	
16	96701370	NUT HEX	4	
17	70842984	BRACKET, TBPV MOUNTING	1	
18	96719604	WASHER PLAIN	2	
19	96722137	SCREW HEX HEAD	2	
20	97114193	PLUG PIPE	1	
21	70740931	ADAPTER STRAIGHT	1	
22	92088822	FILTER ASSEMBLY	1	
	70529615	ELEMENT, OIL FILTER	2	
23	70672589	GAURD OIL FILTER	1	
24	96702279	SCREW HEX HEAD	3	
25	70847017	ADAPTER STRAIGHT	1	
26	70788435	HOSE HYDRAULIC	1	
27	97114219	ADAPTER STRAIGHT	1	
28	94030749	NIPPLE HEX	1	
29	94162948	VALVE CHECK	1	
30	97113963	ADAPTER STRAIGHT	1	
31	96714399	WASHER PLAIN	3	
32	70915764	ADAPTER STRAIGHT	1	
33	70915756	ADAPTER STRAIGHT THREAD CONNECTOR	1	

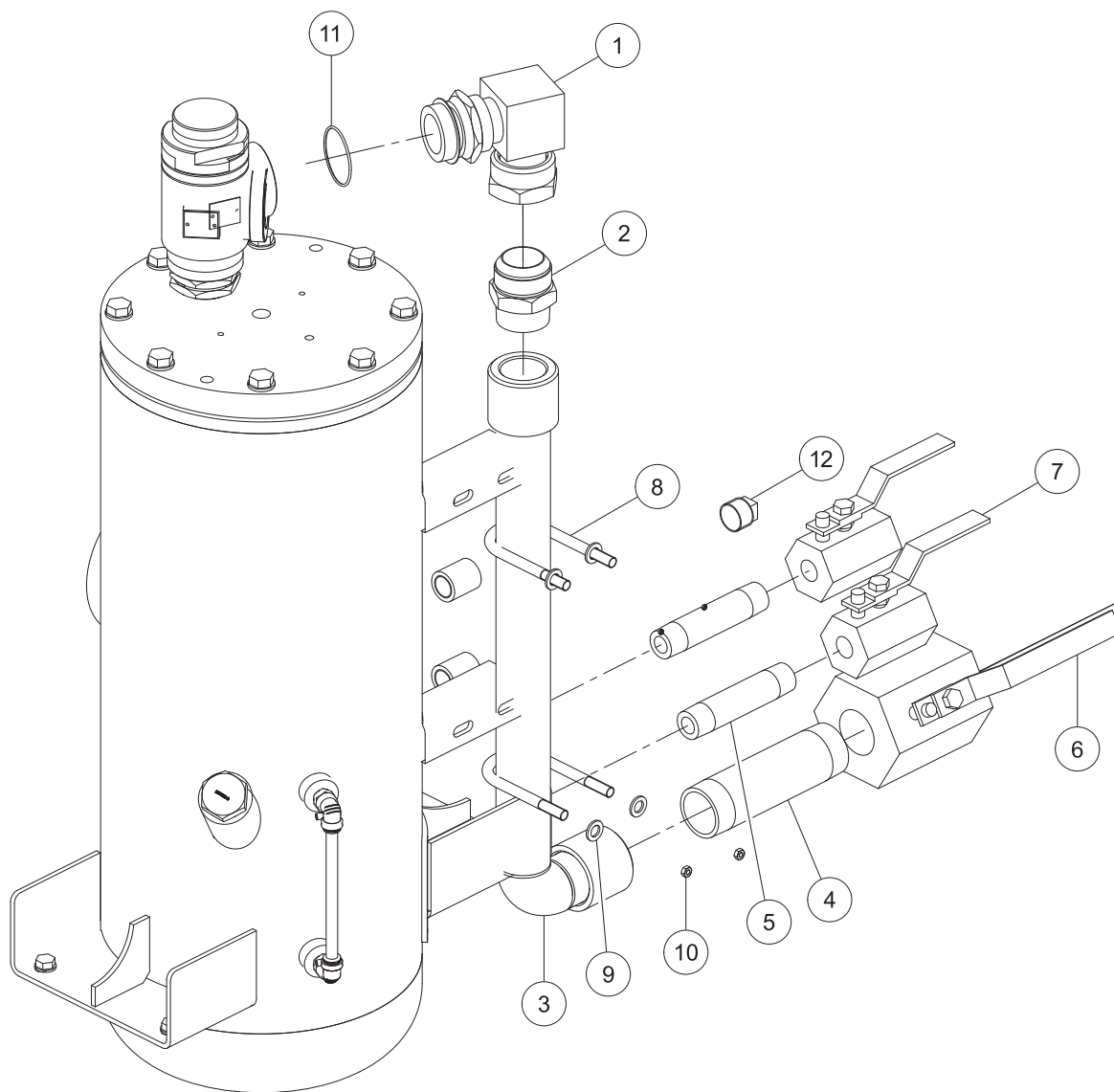
AIREND TUBING



AIREND TUBING

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70851209	MANIFOLD OIL INJECTION	1	
2	36846145	TUBE SEAL TO MANIFOLD	1	
3	94034329	ADAPTER ELBOW	1	
4	70537030	O RING	4	
5	36846087	TUBE BEARING OIL SUPPLY	1	
6	94113545	ADAPTER STRAIGHT	2	
7	35279843	TEE BRANCH	1	
8	36795482	TUBE ASSEMBLY	1	
9	94080850	ADAPTER ELBOW	1	
10	70842422	TUBE ASSEMBLY, ROTOR TO MANIFOLD	1	
11	70842349	ADAPTER STRAIGHT	1	
12	70537063	O RING	4	
13	94034311	ADAPTER ELBOW	1	
14	36846103	TUBE ASSEMBLY	1	
15	36846129	TEE BRANCH	1	
16	36846095	ADAPTER STRAIGHT	2	
17	36846111	TUBE ASSEMBLY	1	
18	35286491	ADAPTER ELBOW	1	
19	70537055	O RING	2	
20	70537071	O RING	2	

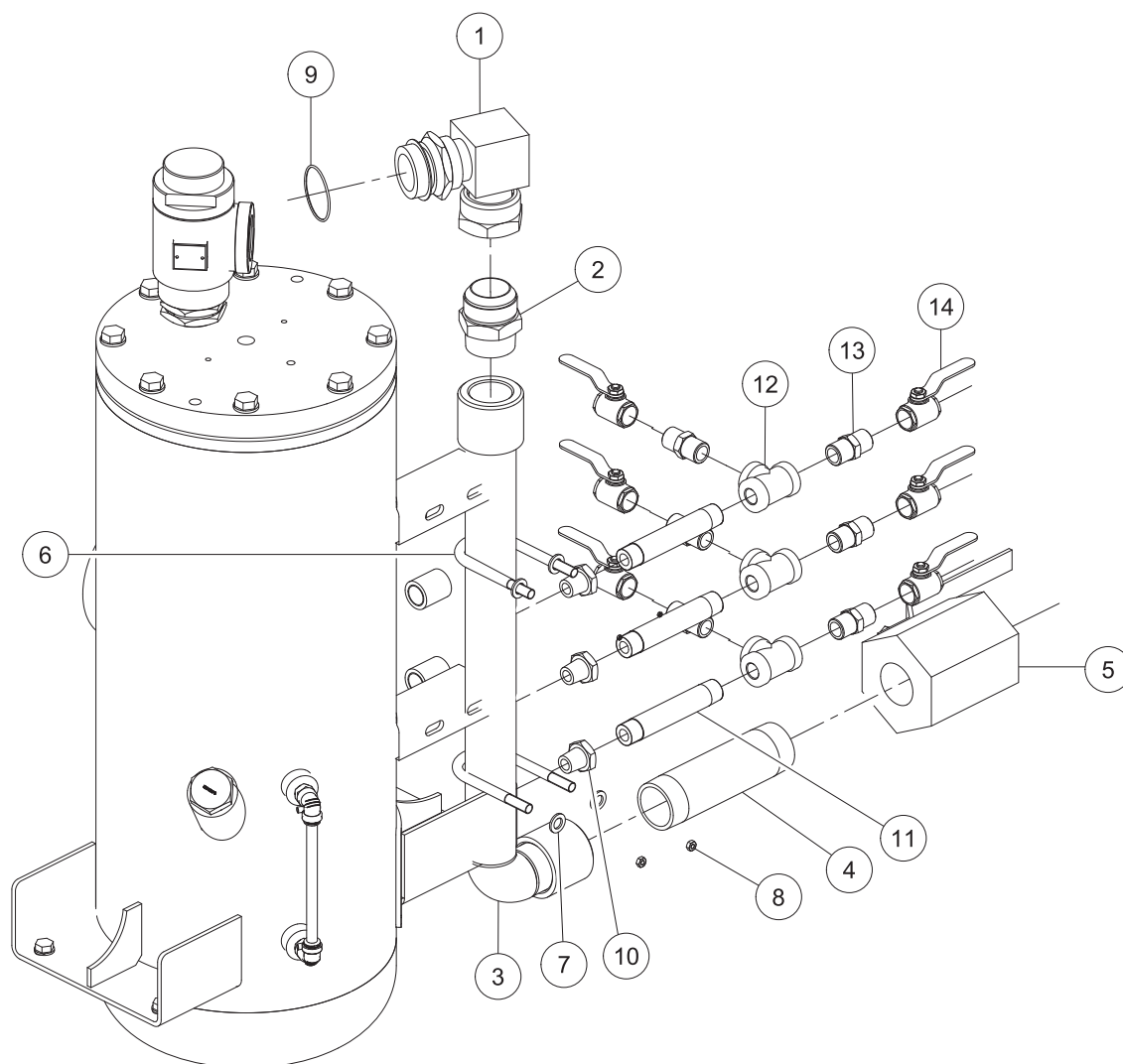
ASSEMBLY SERVICE PIPING - HP450B / DRILL AIR 400VH



ASSEMBLY SERVICE PIPING - HP450B / DRILL AIR 400VH

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70843230	ADAPTER ELBOW	1	
2	95937561	CONNECTOR STRAIGHT	1	
3	70841218	PIPE SERVICE LINE	1	
4	94065489	NIPPLE PIPE	1	
5	94047347	NIPPLE PIPE	2	
6	70080502	VALVE BALL	1	
7	70080486	VALVE BALL	2	
8	70866181	U CLAMP	2	
9	94037553	WASHER PLAIN	4	
10	96704291	NUT HEX	4	
11	70537139	O RING	1	
12	97111389	PIPE PLUG	1	

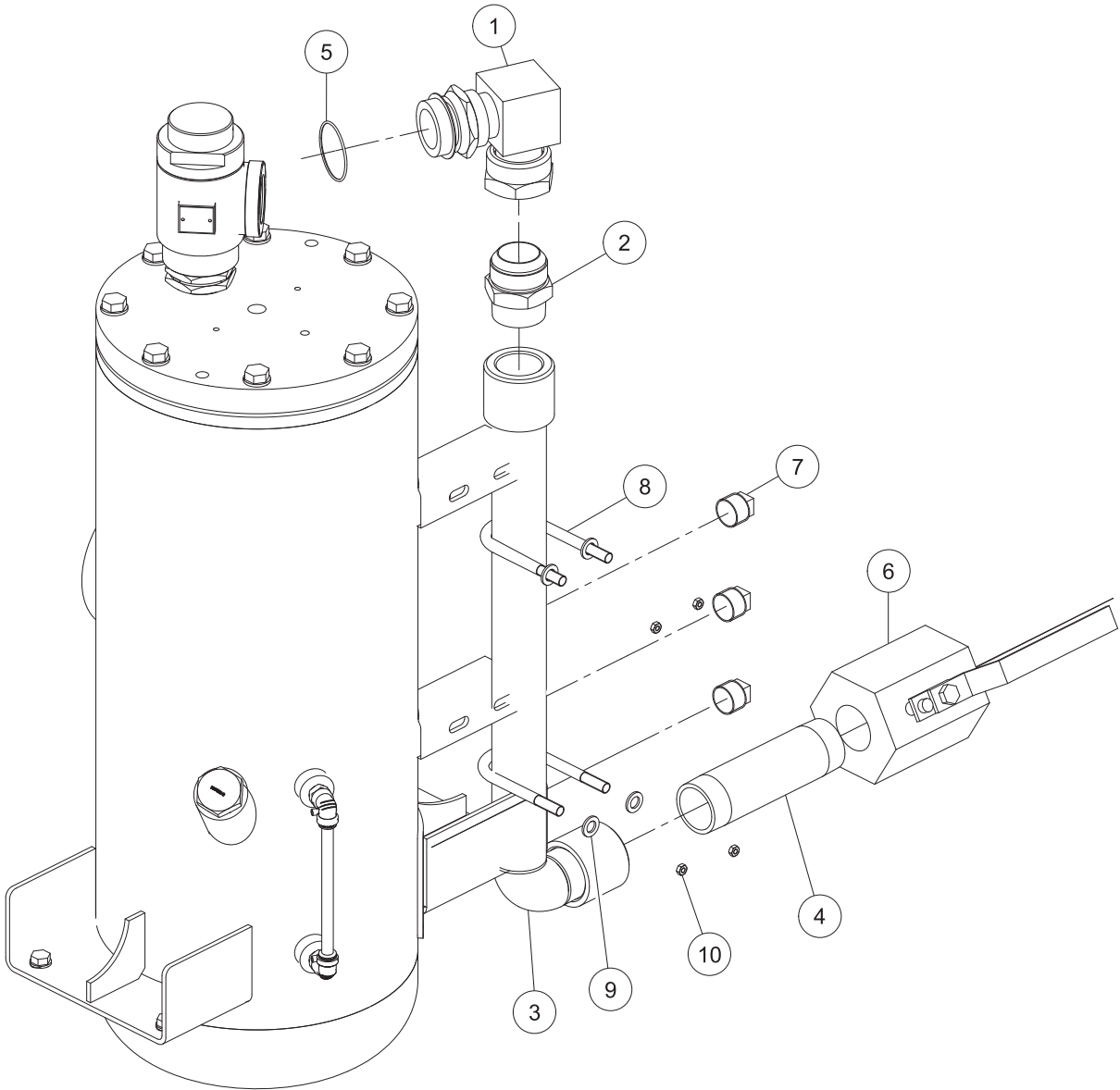
ASSEMBLY SERVICE PIPING - P600B



ASSEMBLY SERVICE PIPING - P600B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70843230	ADAPTER ELBOW	1	
2	95937561	CONNECTOR	1	
3	70841218	PIPE SERVICE LINE	1	
4	94065489	NIPPLE PIPE	1	
5	70080502	VALVE BALL	1	
6	70866181	U CLAMP	2	
7	94037553	WASHER PLAIN	4	
8	96704291	NUT HEX	4	
9	70537139	O RING	1	
10	95038048	REDUCER BUSHING	3	
11	94327822	NIPPLE PIPE	3	
12	97121040	TEE	3	
13	94039682	NIPPLE HEX	6	
14	94071230	VALVE BALL	6	

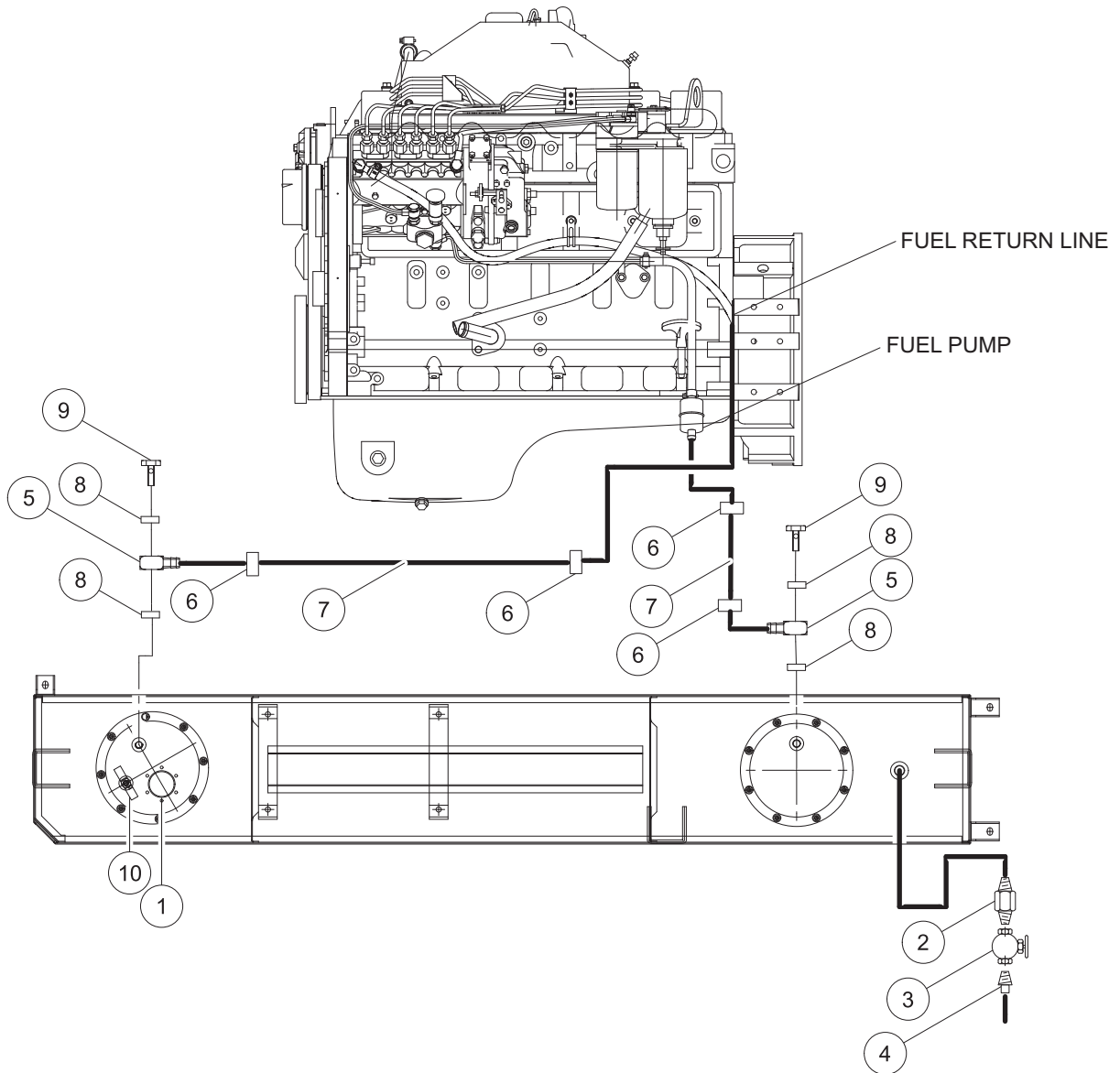
ASSEMBLY SERVICE PIPING - PA165 / VHP300B



ASSEMBLY SERVICE PIPING - PA165 / VHP300B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70843230	ADAPTER ELBOW	1	
2	95937561	CONNECTOR	1	
3	70841218	PIPE, SERVICE LINE	1	
4	94065489	NIPPLE PIPE	1	
5	70537139	O RING	1	
6	70080502	VALVE, BALL	1	
7	97111389	PIPE PLUG	3	
8	70866181	U CLAMP	2	
9	94037553	WASHER PLAIN	4	
10	96704291	HEX NUT	4	

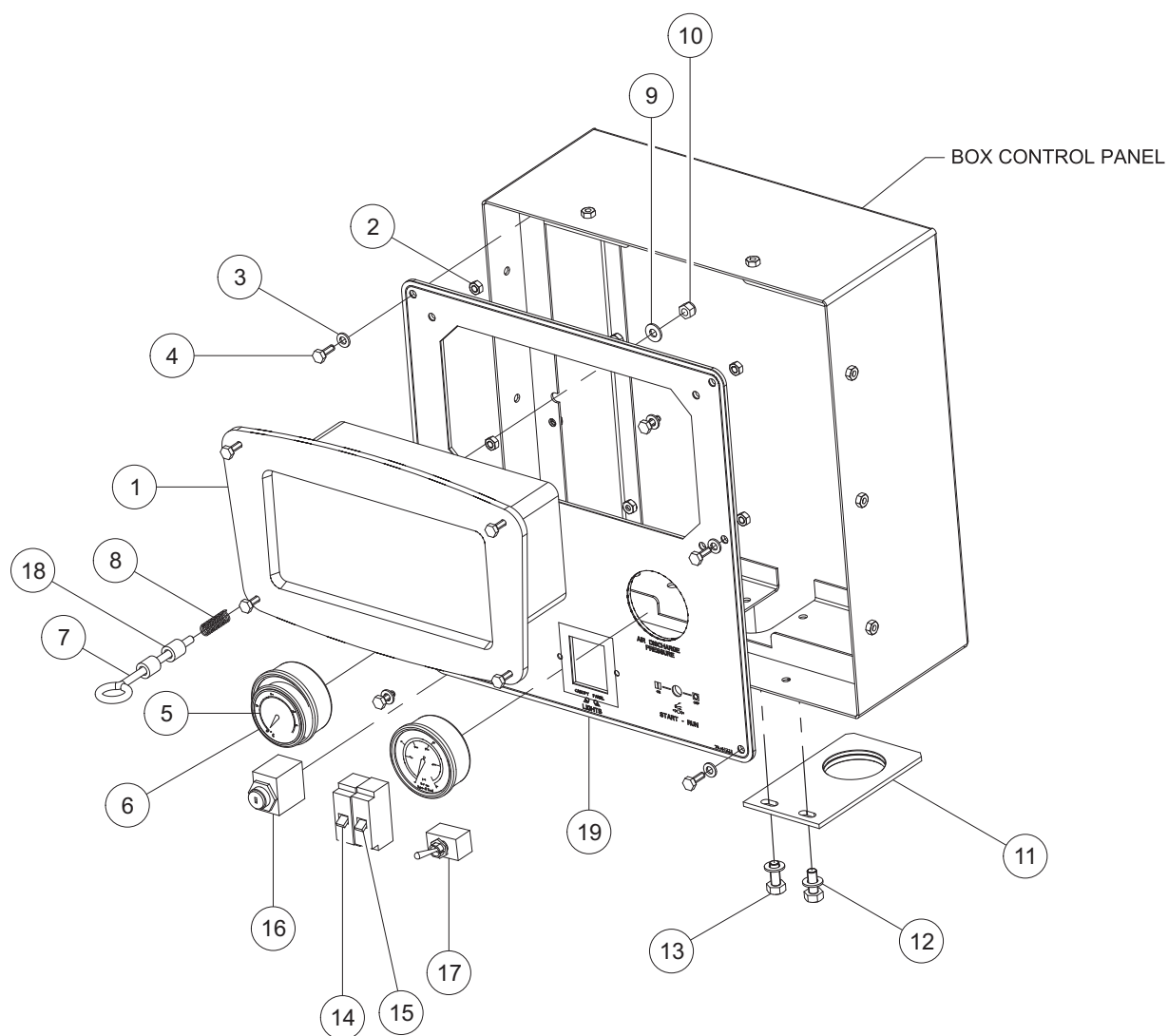
PIPING FUEL



PIPING FUEL

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70701412	FILLERCUM BREATHER	1	
2	97120976	NIPPLE HEX	1	
3	70614755	VALVE BALL	1	
4	97114268	PLUG PIPE	1	
5	70860622	CONNECTOR BANJO	2	
6	70847835	CLAMP FUEL HOSE	4	
7	70829833	HOSE FUEL	2	
8	94037702	WASHER, COPPER	4	
9	97130777	BOLT BANJO	2	
10	70841697	DIPSTICK	1	

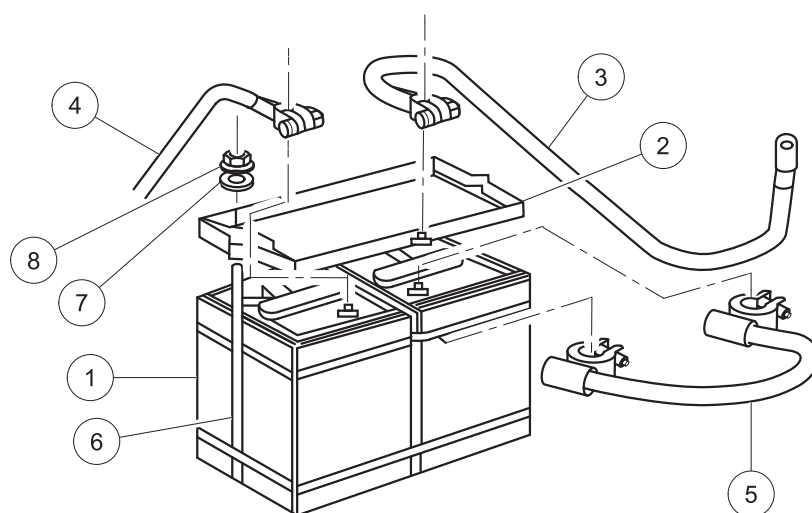
ASSEMBLY CONTROL PANEL AND MOUNTING



ASSEMBLY CONTROL PANEL AND MOUNTING

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70853866	CLUSTER ENGINE PANEL	1	
2	96712781	NUT, HEX	4	
3	96719729	WASHER PLAIN	6	
4	96714233	SCREW, HEX HEAD	10	
5	70612791	GAUGE AIR DISCHARGE PRESSURE	2	
6	70097365	GAUGE AIR DISCHARGE TEMPERATURE	1	
7	36885861	EYE BOLT	1	
8	35607837	SPRING, EYEBOLT	1	
9	95935029	WASHER	1	
10	95923298	NUT, HEX LIGHT SELF LOCKING	1	
11	70852090	BRACKET CLUSTER CONNECTOR MOUNTING	1	
12	96719745	WASHER, PLAIN	2	
13	96718820	SCREW, HEX HEAD	2	
14	70571492	BREAKER CIRCUIT MINIATURE	1	
15	70614797	BREAKER CIRCUIT MINIATURE	1	
16	94159332	SWITCH IGNITION	1	
17	70843214	SWITCH, START / STOP	1	
18	70828603	SPACER THROTTLE CYLINDER	2	
19	70843222	DECAL ASSEMBLY CONTROL PANEL	1	

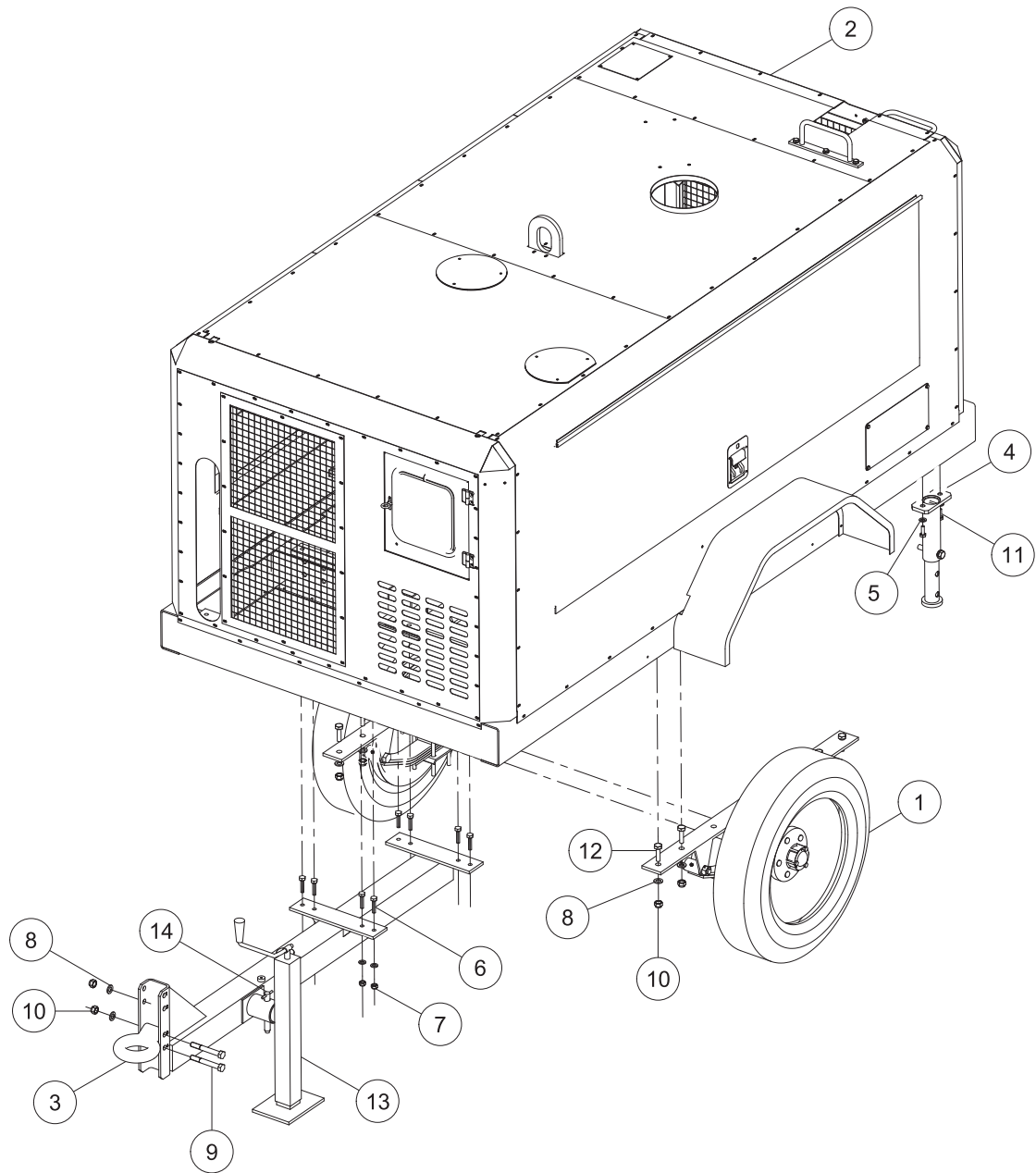
MOUNTING BATTERY



MOUNTING BATTERY

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70740022	BATTERY	2	
2	70843669	COVER BRACKET BATTERY MOUNTING	1	
3	94043908	CABLE	1	
4	94043916	CABLE	1	
5	94043932	CABLE	1	
6	70064894	STUD	2	
7	96714399	WASHER PLAIN	2	
8	96712807	NUT HEX	2	

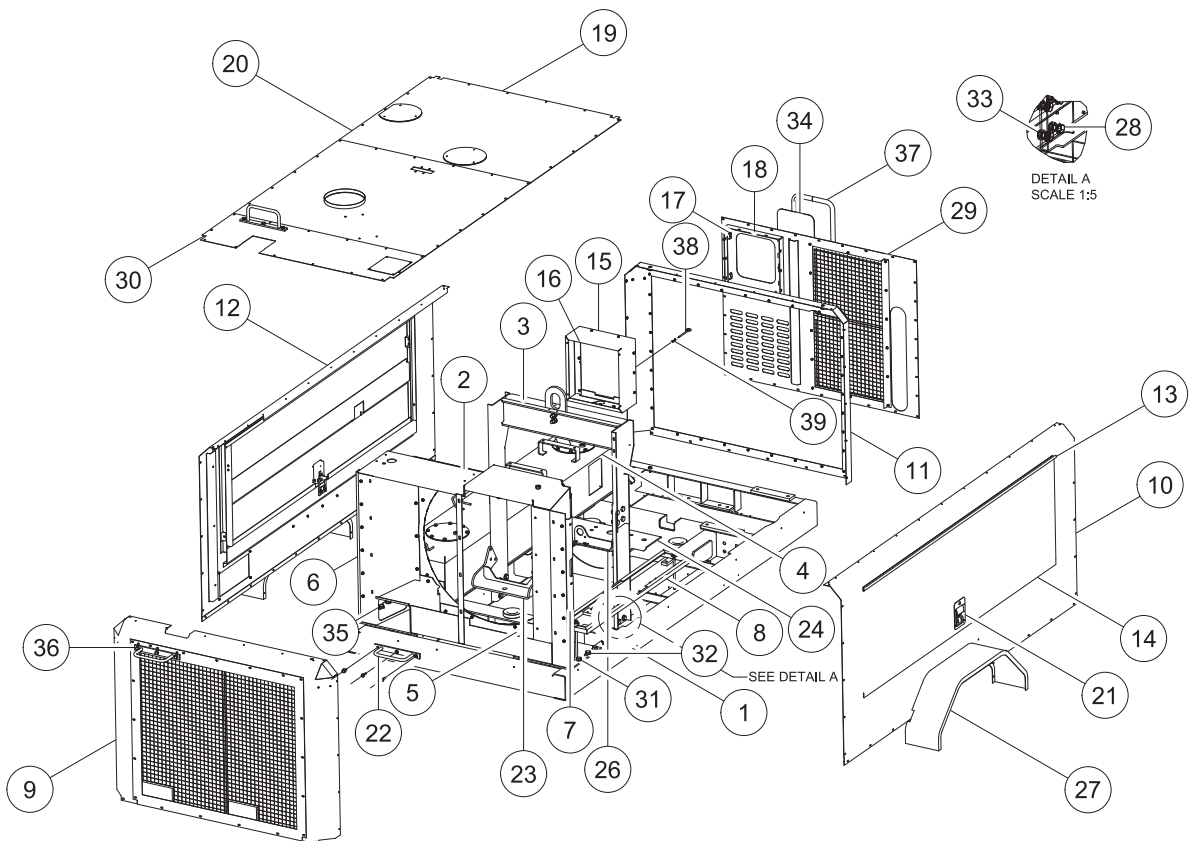
ASSEMBLY RUNNING GEAR - P600B / HP450B



ASSEMBLY RUNNING GEAR - P600B / HP450B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70840038	RUNNING GEAR - P600B	1	
2	70840574	ASSEMBLY ENCLOSURE COMPLETE	1	
3	35605187	EYE PINTLE	1	
4	70548599	LEG SUPPORT	1	
5	94037553	WASHER PLAIN	10	
6	94031994	SCREW HEX HEAD	8	
7	94039542	NUT HEX	8	
8	96716345	WASHER FLAT	10	
9	94130200	BOLT HEX HEAD	2	
10	94056553	NUT HEX NYLOCK	10	
11	96702311	SCREW HEX HEAD	2	
12	96703962	SCREW HEX HEAD	8	
13	54443577	SCREW JACK	1	
14	35609544	PIN	1	

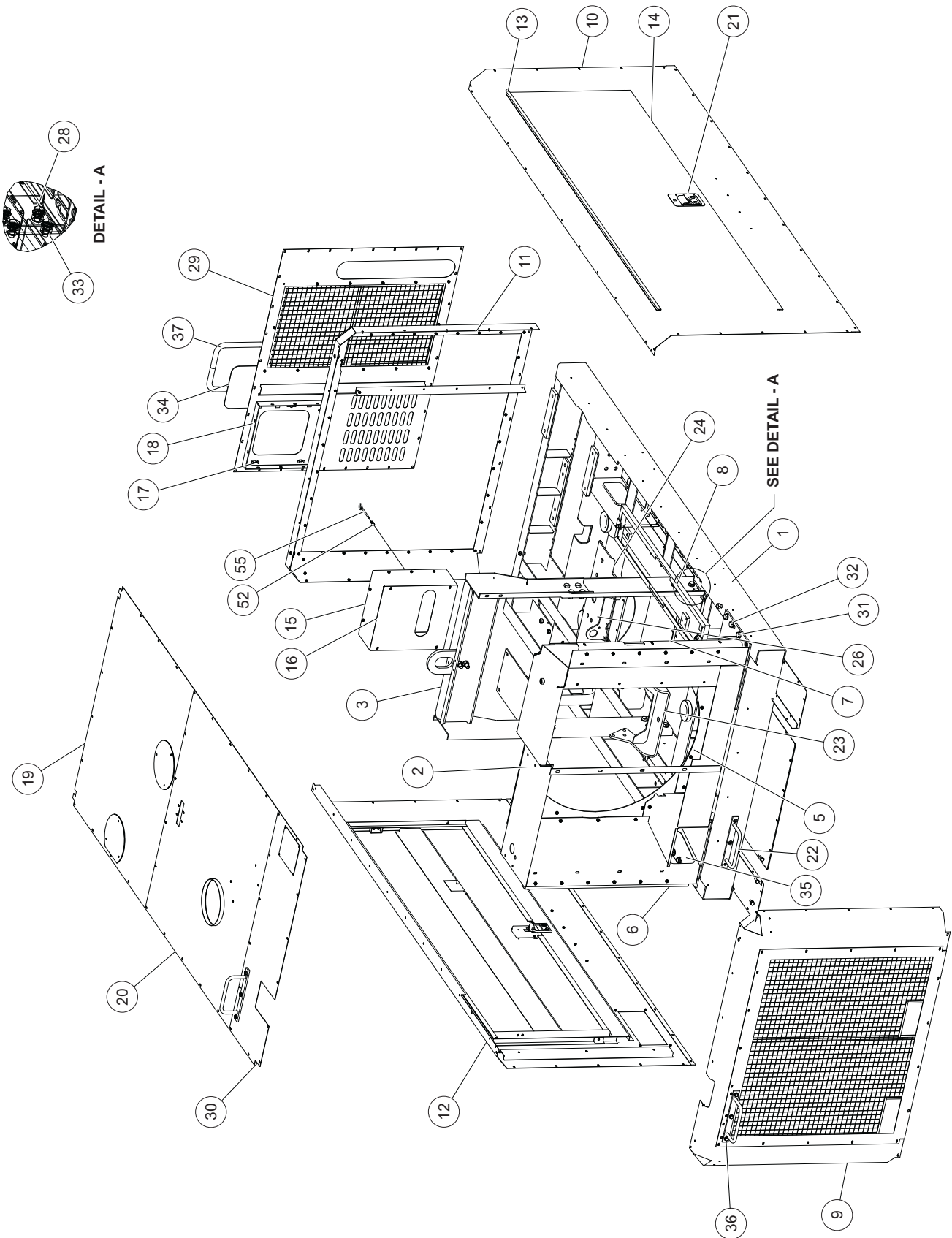
ENCLOSURE ASSEMBLY - HP450B / P600B / DRILL AIR 400VH



ENCLOSURE ASSEMBLY - HP450B / P600B / DRILL AIR 400VH

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70840616	SKID FRAME	1	
2	70840657	COWLING ROC	1	
3	70840673	LIFT BAIL	1	
4	70840202	TANK, FUEL	1	
5	70840665	PLATE ORIFICE	1	
6	70840624	BAFFLE LH	1	
7	70840632	BAFFLE RH	1	
8	70843669	BRACKET, BATTERY MOUNTING	1	
9	70839949	ENDCAP, REAR	1	
10	70839923	PANEL SIDE LH	1	
11	70839964	ENDCAP FRONT	1	
12	70839931	PANEL SIDE RH	1	
13	70840566	HINGE, ACCESS DOOR (Doosan Scope)	2	
14	70840020	ACCESS DOOR	2	
15	70830781	BRACKET CONTROL PANEL	1	
16	70830815	COVER, REAR, CONTROL PANEL	1	
17	70830807	HINGE	2	
18	70830500	DOOR, CONTROL PANEL	1	
19	70839980	PANEL TOP FRONT	1	
20	70840012	PANEL TOP REAR	1	
21	70567318	LATCH, DOOR	2	
22	94157567	ASSEMBLY HANDLE	3	
23	70841051	BRACKET, ENGINE MOUNTING	1	
24	70841093	BRACKET, AIREND MOUNTING	1	
25	94136868	GAS SPRING ASSEMBLY (Doosan Scope)	4	
26	70840681	BRACKET AIR CYLINDER MOUNTING	1	
27	70848585	FENDER	2	
28	96738380	SCREW, HEX HEAD	9	
29	70839972	COVER PLATE FRONT	1	
30	70844386	PANEL TOP REAR	1	
31	96703962	SCREW, HEX HEAD	8	
32	96716345	WASHER, FLAT	16	
33	94037611	HEX NUT	4	
34	70837083	GLASS, CONTROL PANEL DOOR	1	
35	96702287	SCREW, HEX HEAD	12	
36	96714399	WASHER PLAIN	12	
37	94165461	BEEDING	1	
38	36885861	EYE BOLT	1	
39	35607837	SPRING, EYEBOLT	1	
40	94114501	SCREW TAPTITE(NOT SHOWN)	200	

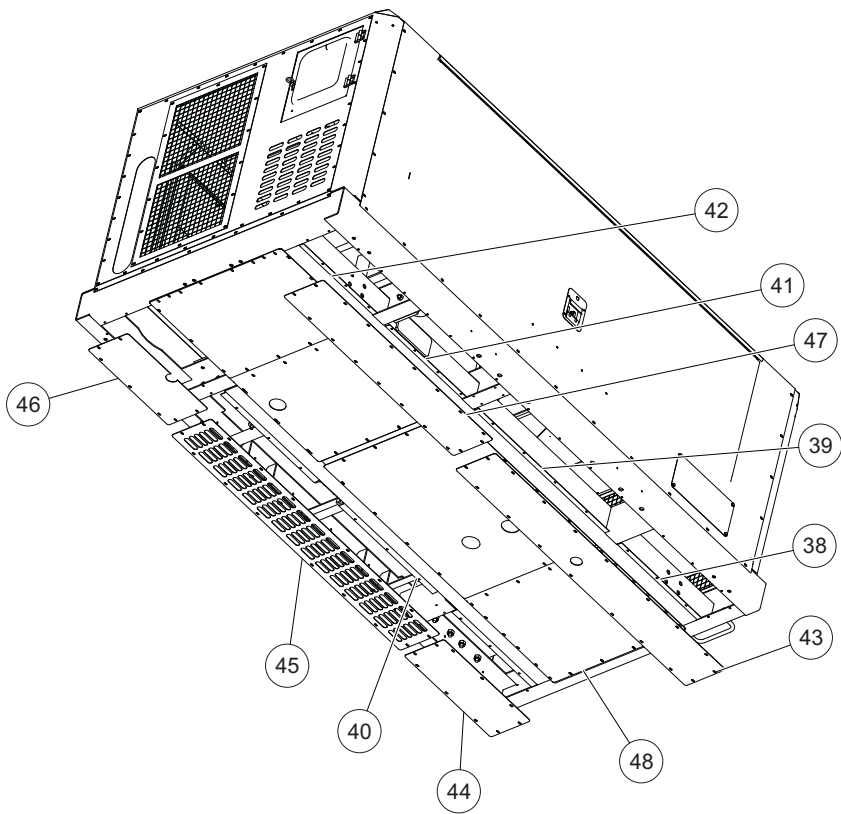
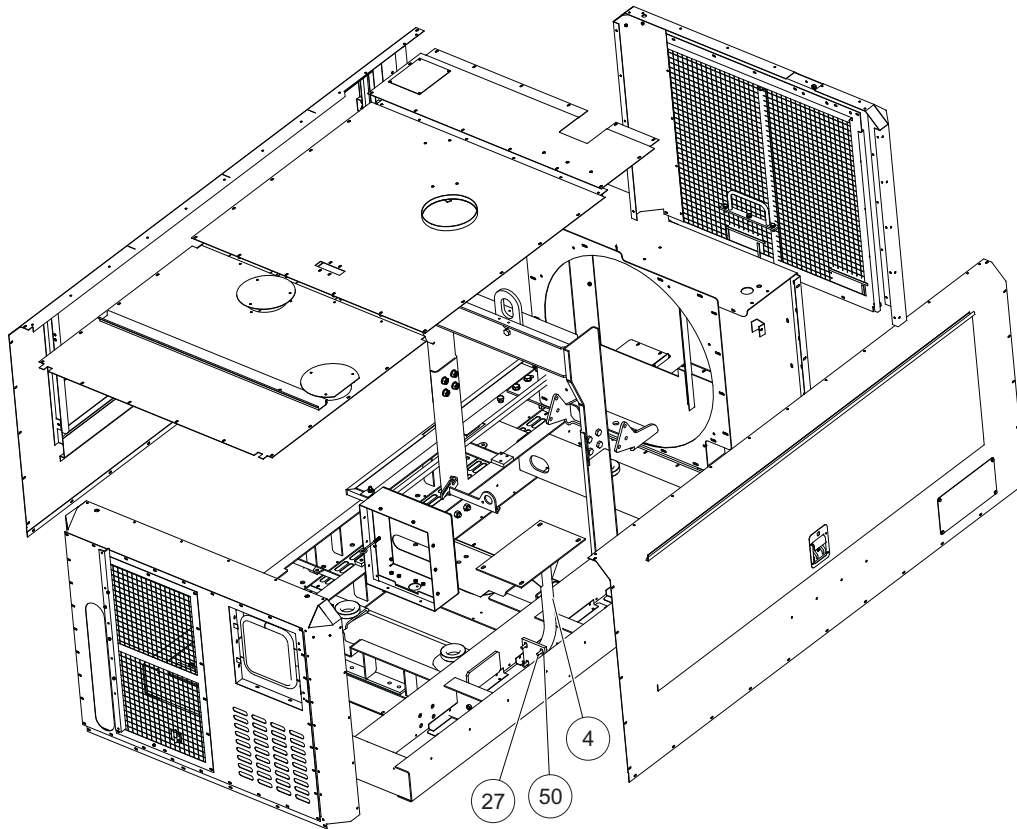
ENCLOSURE ASSEMBLY - PA165



ENCLOSURE ASSEMBLY - PA165

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70840616	SKID FRAME	1	
2	70840657	COWLING ROC	1	
3	70840673	LIFT BAIL	1	
4	70852108	BRACKET AIR FILTER MOUNTING	1	
5	70840665	PLATE ORIFICE	1	
6	70840624	BAFFLE LH	1	
7	70840632	BAFFLE RH	1	
8	70843669	BRACKET BATTERY MOUNTING	1	
9	70839949	ENDCAP, REAR	1	
10	70839923	PANEL SIDE LH	1	
11	70839964	ENDCAP FRONT	1	
12	70839931	PANEL SIDE RH	1	
13	70840566	HINGE, ACCESS DOOR (Doosan Scope)	2	
14	70840020	ACCESS DOOR	2	
15	70830781	BRACKET CONTROL PANEL	1	
16	70830815	COVER, REAR, CONTROL PANEL	1	
17	70830807	HINGE	2	
18	70830500	DOOR, CONTROL PANEL	1	
19	70839980	PANEL TOP FRONT	1	
20	70840012	PANEL TOP REAR	1	
21	70567318	LATCH, DOOR	2	
22	94157567	ASSEMBLY HANDLE	3	
23	70841051	BRACKET ENGINE MOUNTING	1	
24	70841093	BRACKET, AIREND MOUNTING	1	
25	94136868	GAS SPRING ASSEMBLY (Doosan Scope)	4	
26	70840681	BRACKET AIR CYLINDER MOUNTING	1	
27	96702444	SCREW, HEX HEAD	4	
28	96738380	SCREW, HEX HEAD	9	
29	70839972	COVER PLATE FRONT	1	
30	70844386	PANEL TOP REAR	1	
31	96702337	SCREW, HEX HEAD	8	
32	96716345	WASHER, FLAT	16	
33	94037611	HEX NUT	4	
34	70837083	GLASS, CONTROL PANEL DOOR	1	
35	96702287	SCREW, HEX HEAD	12	
				Continued.....

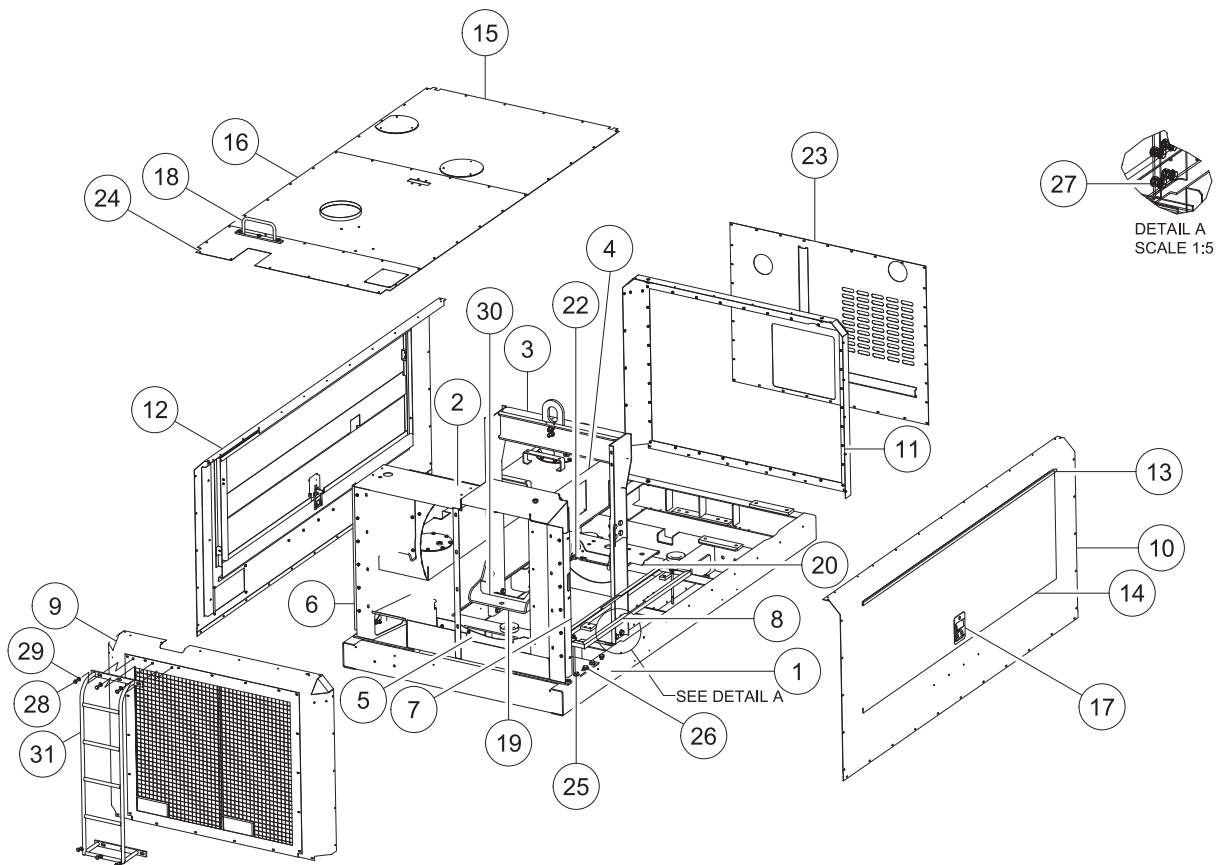
ENCLOSURE ASSEMBLY - PA165



ENCLOSURE ASSEMBLY - PA165

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
				Continued
36	96714399	WASHER PLAIN	12	
37	94165461	BEEDING	1	
38	70842034	ANGLE	2	
39	70842042	ANGLE	1	
40	70842059	ANGLE	2	
41	70842067	ANGLE	1	
42	70842075	ANGLE	1	
43	70842091	PLATE, BOTTOM	1	
44	70842109	PLATE, BOTTOM	1	
45	70842117	PLATE, BOTTOM	1	
46	70842125	PLATE, BOTTOM	1	
47	70842133	PLATE, BOTTOM	1	
48	70842141	PLATE, BOTTOM	1	
49	70842158	PLATE, BOTTOM	1	
50	96738596	WASHER, FLAT HARDENED	4	
51	36885861	EYE BOLT	1	
52	35607837	SPRING, EYEBOLT	1	
53*	94114501	SCREW TAPTITE	260	
NOTE: ITEMS MARKED * ARE NOT SHOWN IN DRAWING				

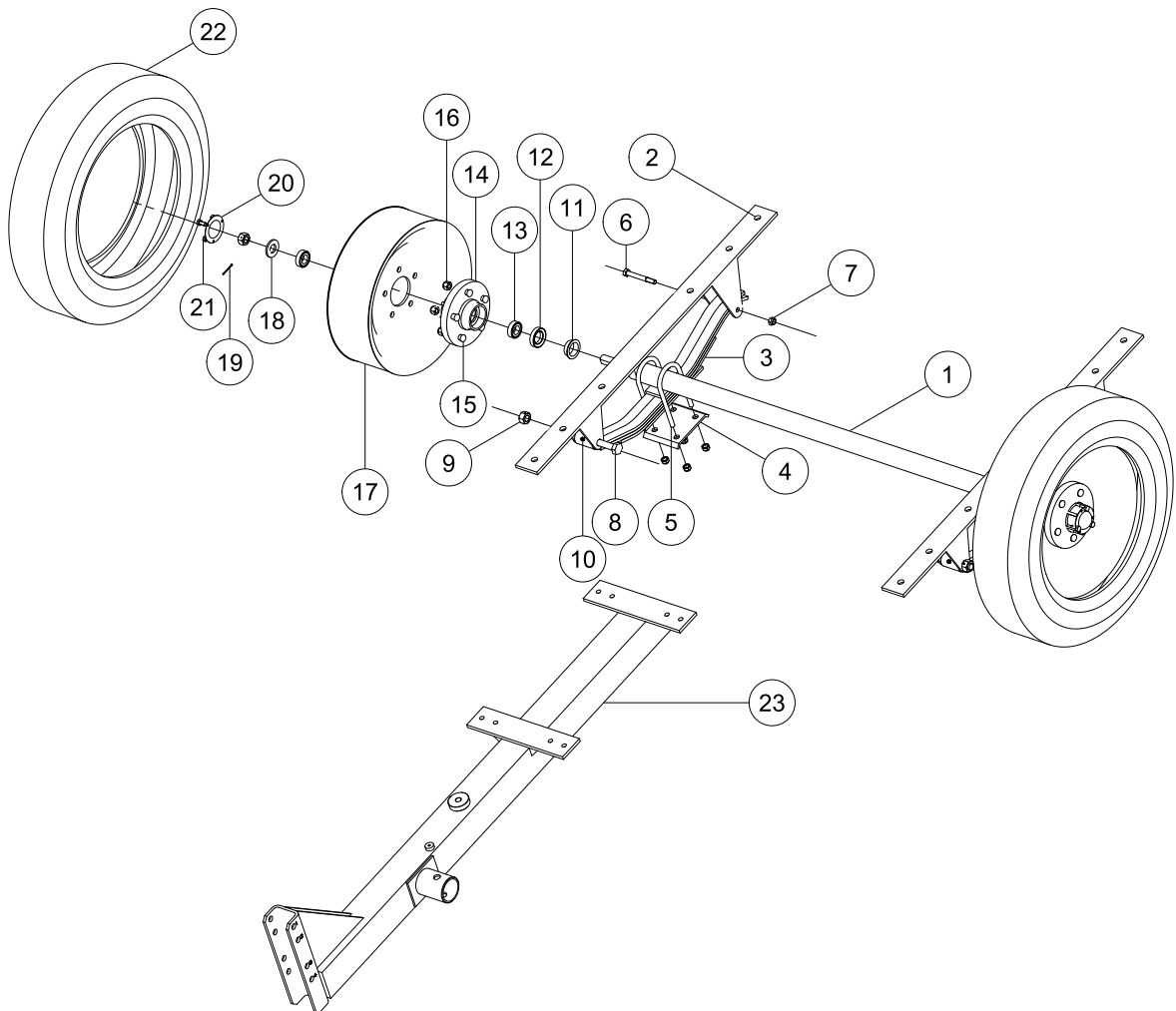
ENCLOSURE ASSEMBLY - VHP300B



ENCLOSURE ASSEMBLY - VHP300B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70840616	SKID FRAME	1	
2	70840657	COWLING ROC	1	
3	70840673	LIFT BAIL	1	
4	70878749	TANK, FUEL	1	
5	70840665	PLATE ORIFICE	1	
6	70840624	BAFFLE LH	1	
7	70840632	BAFFLE RH	1	
8	70843669	BRACKET, BATTERY MOUNTING	1	
9	70839949	ENDCAP, REAR	1	
10	70839923	PANEL SIDE LH	1	
11	70839964	ENDCAP FRONT	1	
12	70839931	PANEL SIDE RH	1	
13	70840566	HINGE, ACCESS DOOR	2	
14	70840020	ACCESS DOOR	2	
15	70839980	PANEL TOP FRONT	1	
16	70840012	PANEL TOP REAR	1	
17	70567318	LATCH, DOOR	2	
18	94157567	ASSEMBLY HANDLE	1	
19	70841051	BRACKET ENGINE MOUNTING	1	
20	70841093	BRACKET, AIREND MOUNTING	1	
21*	94136868	GAS SPRING ASSEMBLY	4	
22	70840681	BRACKET AIR CYLINDER MOUNTING	1	
23	70844055	COVER PLATE FRONT	1	
24	70844386	PANEL TOP REAR	1	
25	96703962	SCREW, HEX HEAD	8	
26	96716345	WASHER, FLAT	16	
27	94037611	NUT HEX	4	
28	96702287	SCREW, HEX HEAD	12	
29	96714399	WASHER PLAIN	12	
30	96738380	SCREW, HEX HEAD	9	
31	70875992	LADDER	1	
32*	94114501	SCREW TAPTITE	200	
		NOTE: ITEMS MARKED * ARE NOT SHOWN IN DRAWING.		

RUNNING GEAR



RUNNING GEAR

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70687967	AXLE	1	
2	70840087	BRACKET SPRING MOUNTING	2	
3	70688049	LEAVES SPRING	2	
4	70807987	PLATE U CLAMP	2	
5	70688056	U BOLT	4	
6	94043718	BOLT HEX HEAD	2	
7	94039542	NUT HEX	10	
8	70688080	SHACKLE BOLT	2	
9	70687975	AXLE CHUCKNUT	4	
10	70688122	GREASE NIPPLES	2	
11	70808027	COLLAR	2	
12	70808035	SEAL OIL	2	
13	70687991	BEARING	4	
14	70687983	HUB	2	
15	70688155	WHEEL BOLTS & NUTS	10	
16	70808274	WHEEL NUT	10	
17	70688114	WHEEL DISC	2	
18	70808050	WASHER	2	
19	70688130	SPLIT PINS	4	
20	70688023	HUB CAP	2	
21	94038791	SCREW HEX HEAD	6	
22	70688072	TYRES	2	
23	70840079	DRAWBAR	1	

CHANGE KITS

CHANGE KITS

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CHANGE KITS

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		FIRST 150 HOURS CHANGE KIT		
	70529615	ELEMENT, OIL FILTER	1	
		EVERY 500 HOURS CHANGE KIT		
	70529615	ELEMENT, OIL FILTER	1	
	70509179	ELEMENT OUTER, AIR FILTER	1	
	70509161*	ELEMENT INNER, AIR FILTER	1	
		NOTE: User to make available following for this period: Engine Oil - 30 Liters. Compressor oil - 30 Liters. (Engine spares are not included) * For every three changes of outer element, one inner element (70509161) also to be changed.		

SERVICE KIT

SERVICE KIT

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SERVICE KIT

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22111975	ELEMENT, OIL SEPARATOR	1	
2	70529615	ELEMENT, OIL FILTER	2	
3	36896892	REGULATOR	1	
4	35317197	DIAPHRAGM, UNLOADER	1	
5	70083092	VALVE, BLOW DOWN	1	
6	37952264	SWITCH, TEMPERATURE CONTROL	1	
7	54731450	VALVE, SAFETY	1	
8	94313954	SILENCER - ABDV	1	
9	94313962	SILENCER	1	
11	70537030	O RING	3	
12	70537055	O RING	3	
13	70537063	O RING	3	
14	35593508	SEAL, SHAFT	1	
15	70509161	A/I SAFETY ELEMENT	1	
17	35088798	REPAIR KIT, UNLOADER	1	
18	36842300	TWO WAY VALVE	1	
19	94150315	O RING	1	
20	94150307	O RING	1	
	36134542	SERVICE KIT	1	

AIREND OVERHAUL KIT

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AIREND OVERHAUL KIT

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35593508	SEAL, SHAFT	1	
2	35606979	SEAL, FAN SHAFT	1	
3	35104082	NUT, LOCK	1	
4	39437595	BEARING, TAPER ROLLER	4	
5	35609361	BEARING, CYLINDER	1	
6	35313535	BEARING, CYLINDER	1	
7	35601517	BEARING, BALL	1	
8	35313600	SHIM	4	
9	35313618	SHIM	4	
10	35364769	SHIM	2	
11	35354448	SHIM SET	2	
12	35313568	BEARING CYLINDER	1	
13	35518497	GASKET, FRONT BEARING HOUSING	1	
14	39437629	GASKET, REAR BEARING HOUSING	1	
15	39437637	GASKET, GEAR CASE	1	
16	95223178	RING, RETAINER	1	
17	95223475	RING, RETAINER	1	
18	95223194	RING, RETAINER	1	
19	95096806	RING, RETAINER	1	
20	95358131	O RING	2	
21	35210087	GASKET, SEAL COVER	1	

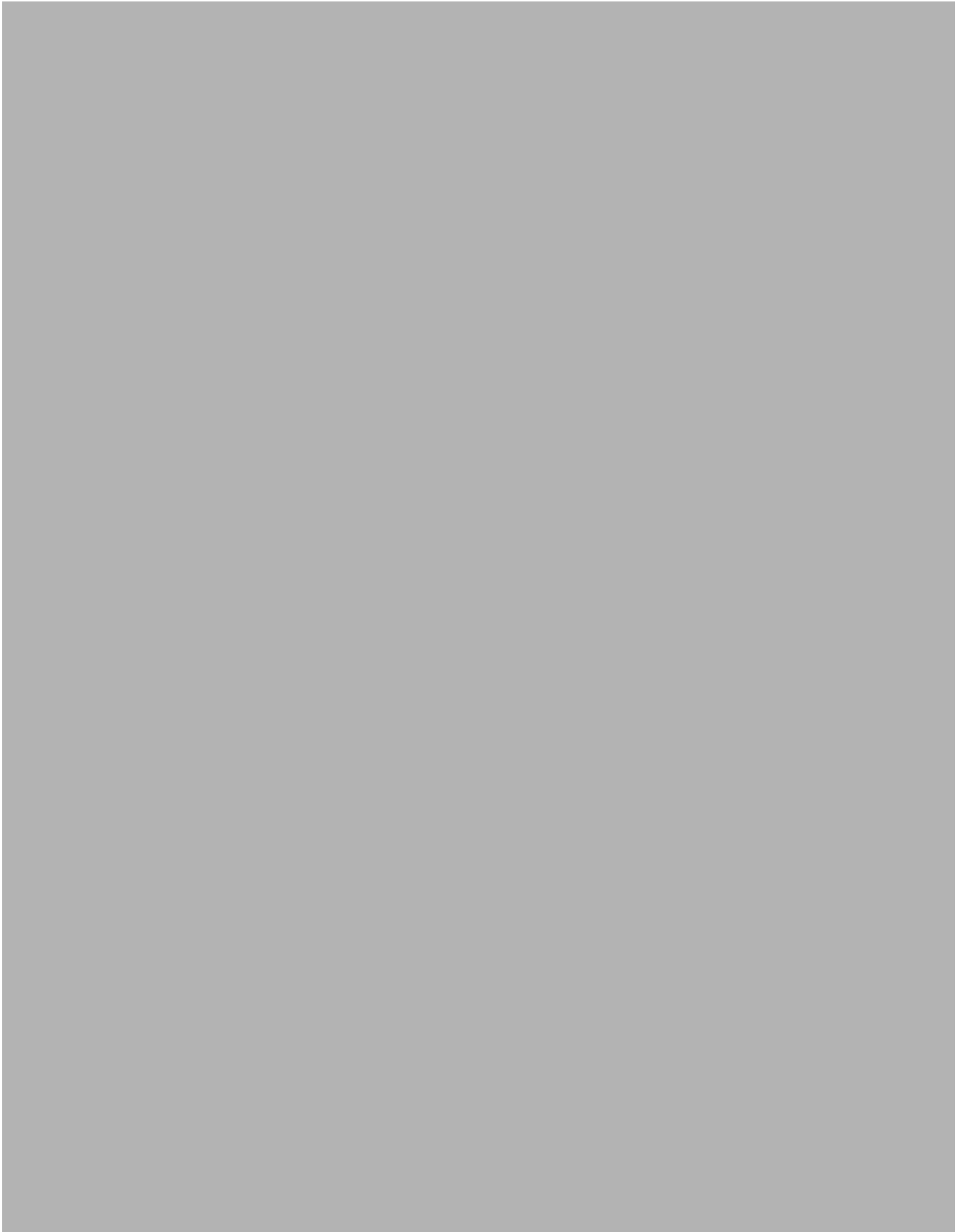
ASSEMBLY DECAL - HP450B / DRILL AIR 400VH



ASSEMBLY DECAL - HP450B / DRILL AIR 400VH

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70677778	DECAL CAUTION	1	
2	70876834	DECAL HIGH PRESSURE FLUID	1	
3	70753579	DECAL AIR DISCHARGE	1	
4	70876842	DECAL ROTATING FAN	2	
5	94114147	DECAL PRE MAINTENANCE	1	
6	22873715	DECAL DOOSAN LOGO	2	
7	70842943	DECAL OPERATING INSTRUCTION	1	
8	70161757	DECAL LIFTING HOOK	1	
9	94366713	DECAL DANGER (HOT SURFACES)	1	
10	70842869	DECAL ENGINE WIRING	1	
11	70837216	DECAL CAUTION EAR PLUG	1	
12	22973283	DECAL HP450B MODEL NUMBER	2	
-	70913728	DECAL DRILL AIR 400VH MODEL NUMBER	2	
13	70859244	DECAL GENERAL DATA HP450B	1	
-	70913736	DECAL GENERAL DATA, DRILL AIR 400VH	2	
14	94114121	DECAL DANGER	1	
15	70874854	DECAL CAUTION BATTERY	1	
16	70874862	DECAL WARNING TOWING	1	

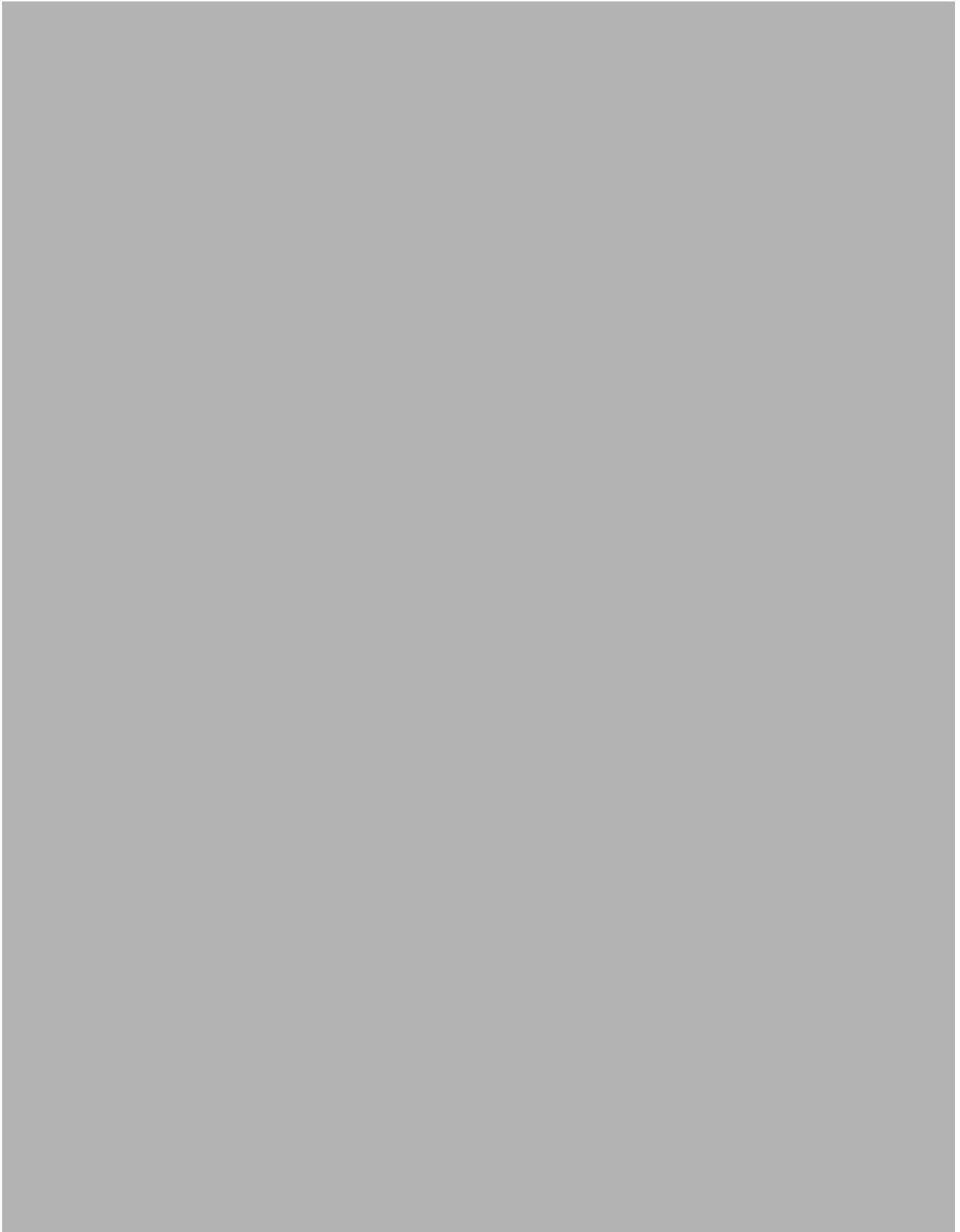
ASSEMBLY DECAL - P600B



ASSEMBLY DECAL - P600B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70677778	DECAL CAUTION	1	
2	70876834	DECAL HIGH PRESSURE FLUID	1	
3	70753579	DECAL AIR DISCHARGE	1	
4	70876842	DECAL ROTATING FAN	2	
5	94114147	DECAL PRE MAINTENANCE	1	
6	22873715	DECAL DOOSAN LOGO AND SIGNATURE	2	
7	70842943	DECAL OPERATING INSTRUCTION	1	
8	70161757	DECAL LIFTING HOOK	1	
9	94366713	DECAL DANGER (HOT SURFACES)	2	
10	70842869	DECAL ENGINE WIRING	1	
11	70837216	DECAL CAUTION EAR PLUG	1	
12	22973291	DECAL P600B MODEL NUMBER	2	
13	70859251	DECAL GENERAL DATA P600B	1	
14	94114121	DECAL DANGER	1	
15	70874854	DECAL CAUTION BATTERY	1	
16	70874862	DECAL WARNING TOWING	1	

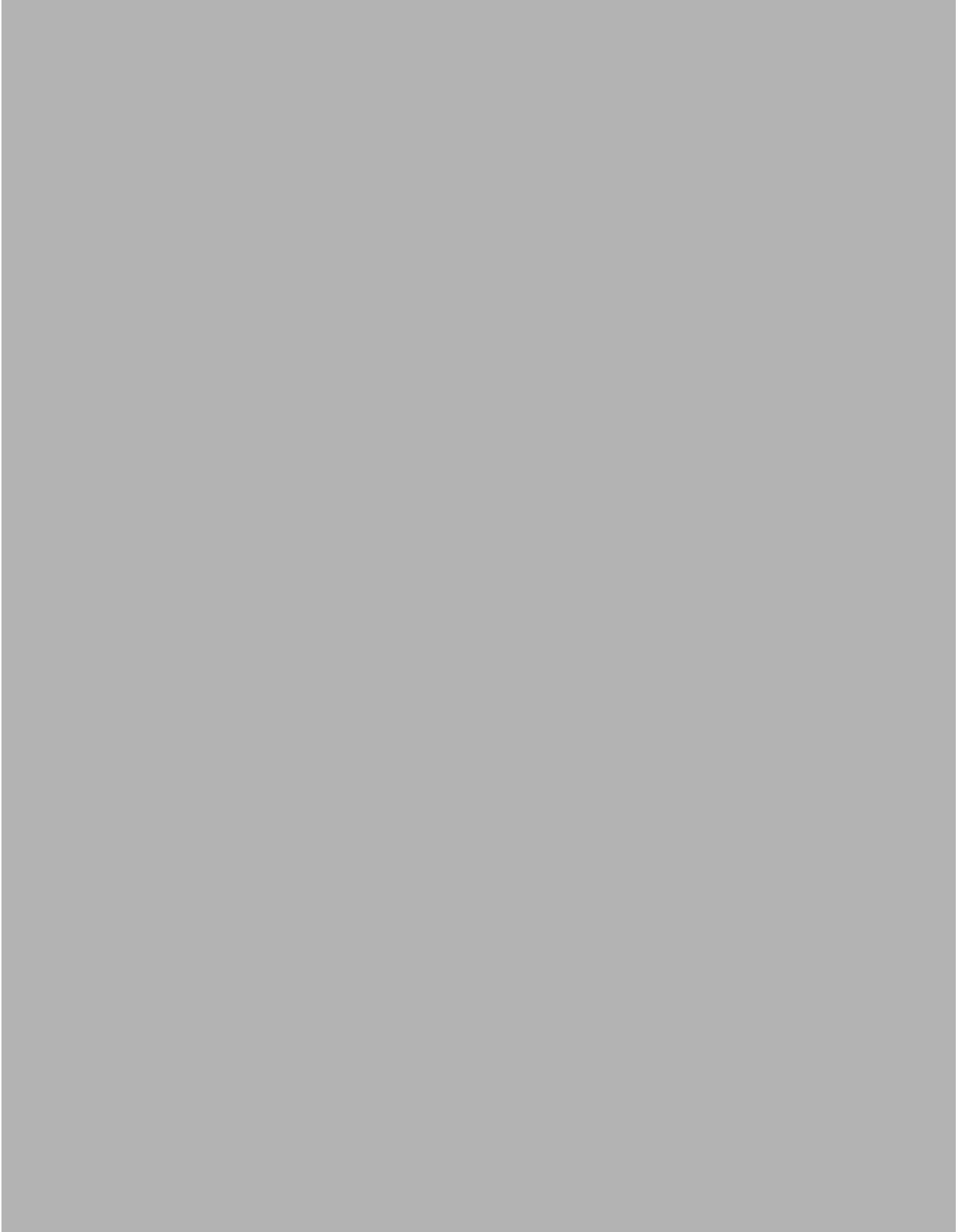
ASSEMBLY DECAL - PA165



ASSEMBLY DECAL - PA165

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70677778	DECAL CAUTION	1	
2	70876834	DECAL PRESSURE FLUID	1	
3	70753579	DECAL AIR DISCHARGE	1	
4	70876842	DECAL ROTATING FAN	2	
5	94114147	DECAL PRE MAINTENANCE	1	
6	22873715	DECAL DOOSAN LOGO	2	
7	70842943	DECAL OPERATING INSTRUCTION	1	
8	70161757	DECAL LIFTING HOOK	1	
9	94366713	DECAL DANGER (HOT SURFACES)	2	
10	70842869	DECAL ENGINE WIRING	1	
11	70837216	DECAL CAUTION EAR PLUG	1	
12	70898499	DECAL PA165 MODEL NUMBER	2	
13	70859277	DECAL GENERAL DATA PA165	1	
14	94114121	DECAL DANGER	1	
15	70874854	DECAL CAUTION BATTERY	1	

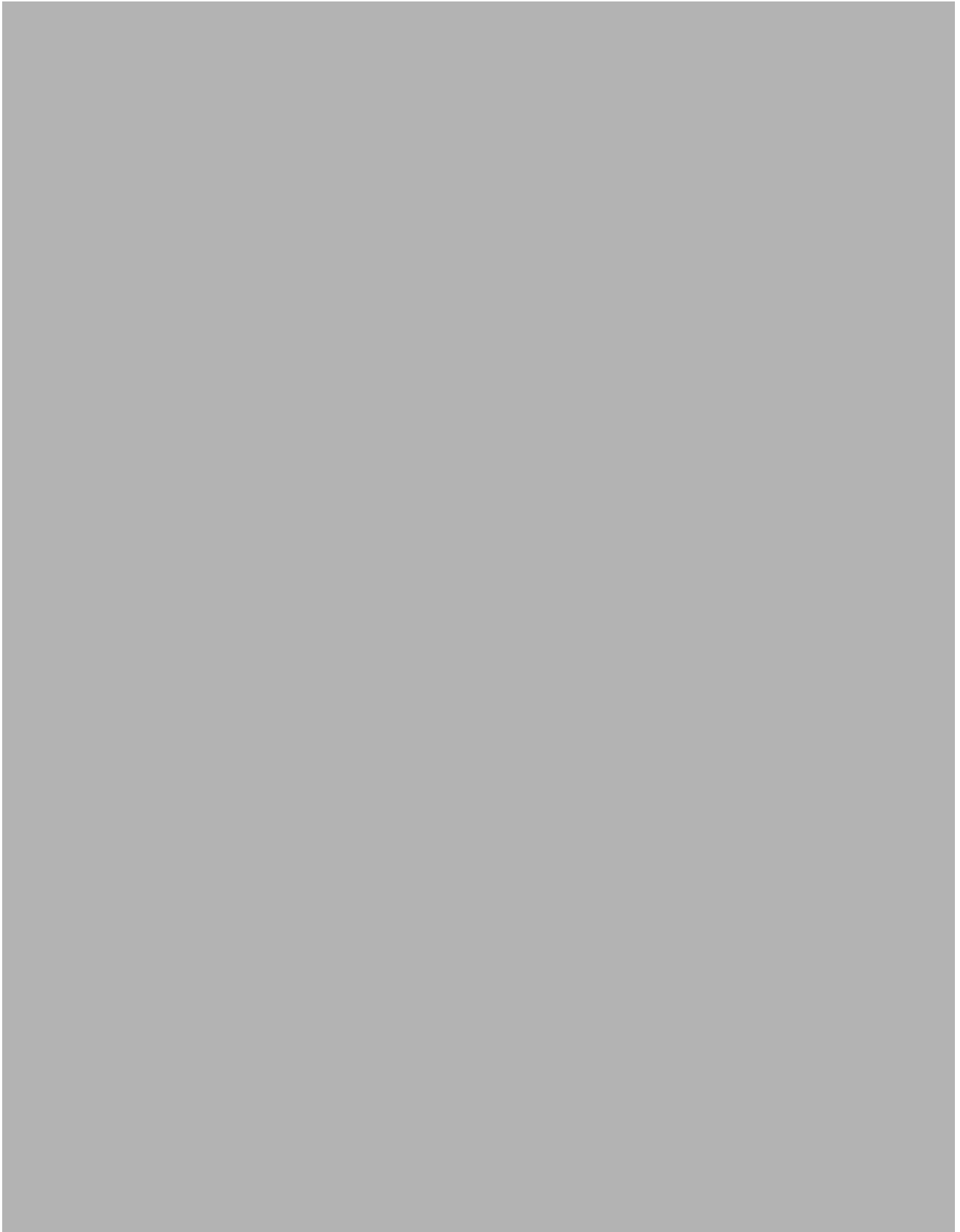
ASSEMBLY DECAL - VHP300B



ASSEMBLY DECAL - VHP300B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70677778	DECAL CAUTION	1	
2	70876834	DECAL HIGH PRESSURE FLUID	1	
3	70753579	DECAL AIR DISCHARGE	1	
4	70876842	DECAL ROTATING FAN	2	
5	94114147	DECAL PRE MAINTENANCE	1	
6	22873715	DECAL DOOSAN LOGO	2	
7	70842943	DECAL OPERATING INSTRUCTION	1	
8	70161757	DECAL LIFTING HOOK	1	
9	94366713	DECAL DANGER (HOT SURFACES)	2	
10	70842869	DECAL ENGINE WIRING	1	
11	70837216	DECAL CAUTION EAR PLUG	1	
12	70898481	DECAL VHP300B MODEL NUMBER	2	
13	70859285	DECAL GENERAL DATA VHP300B	1	
14	94114121	DECAL DANGER	1	
15	70874854	DECAL CAUTION BATTERY	1	

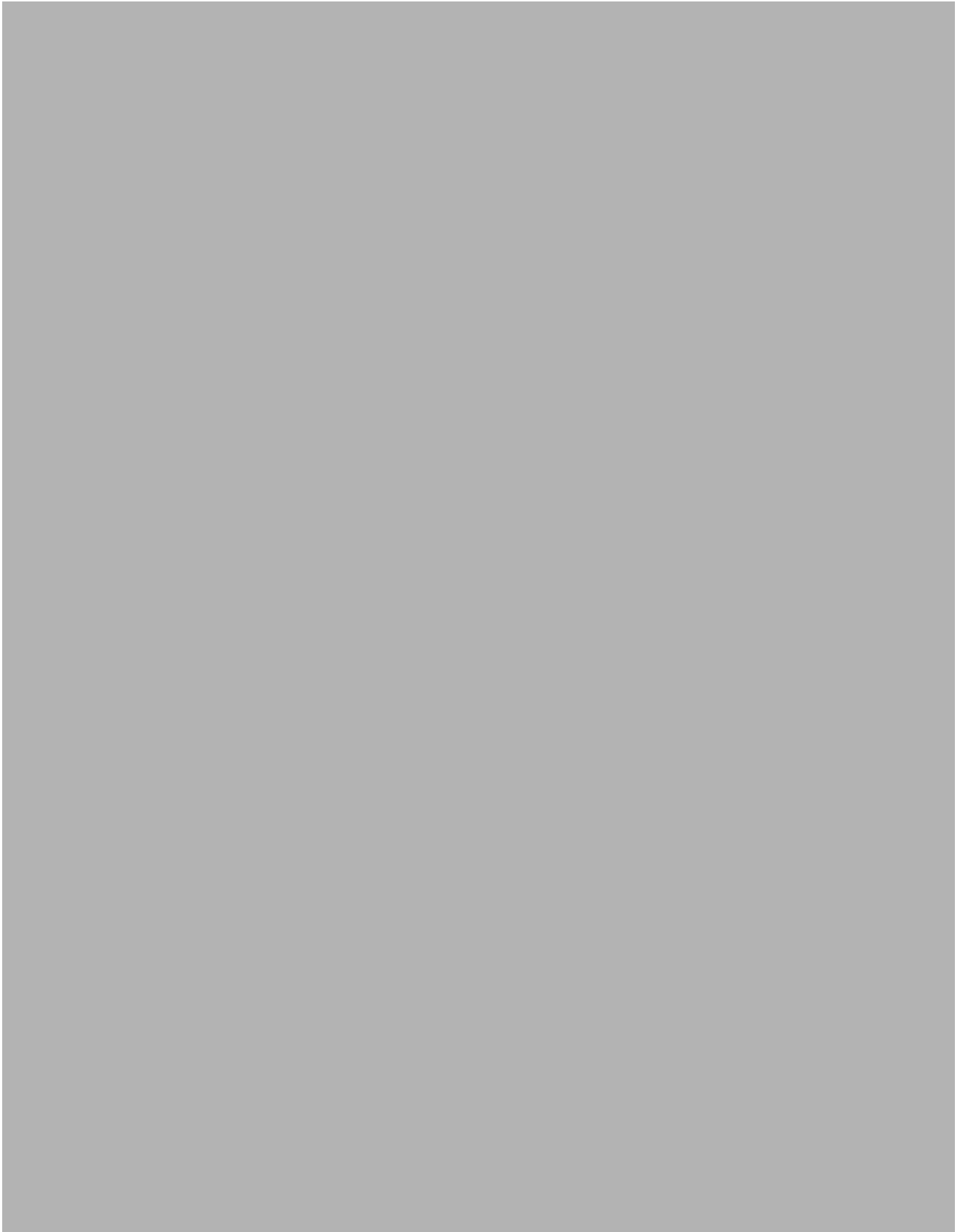
ASSEMBLY DECAL - HP450B LRG



ASSEMBLY DECAL - HP450B LRG

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70677778	DECAL CAUTION	1	
2	70753579	DECAL AIR DISCHARGE	1	
3	94114147	DECAL PRE MAINTENANCE	1	
4	22873715	DECAL DOOSAN LOGO	2	
5	70842943	DECAL OPERATING INSTRUCTION	1	
6	70161757	DECAL LIFTING HOOK	2	
7	94366713	DECAL DANGER (HOT SURFACES)	2	
8	70842869	DECAL ENGINE WIRING	1	
9	70837216	DECAL CAUTION EAR PLUG	1	
10	22973283	DECAL HP450B MODEL NUMBER	2	
11	70873492	DECAL GENERAL DATA HP450B LRG	1	
12	94114121	DECAL DANGER	1	
13	70874854	DECAL CAUTION BATTERY	1	
14	70876834	DECAL HI PRESSURE FLUID	1	
15	70876842	DECAL ROTATING FAN	2	
16	70876859	DECAL IMPROPER OPERATION	1	

ASSEMBLY DECAL - P600 LRG



ASSEMBLY DECAL - P600 LRG

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	70677778	DECAL CAUTION	1	
2	70753579	DECAL AIR DISCHARGE	1	
3	94114147	DECAL PRE MAINTENANCE	1	
4	22873715	DECAL DOOAN LOGO	2	
5	70842943	DECAL OPERATING INSTRUCTION	1	
6	70161757	DECAL LIFTING HOOK	2	
7	94366713	DECAL DANGER (HOT SURFACES)	2	
8	70842869	DECAL ENGINE WIRING	1	
9	70837216	DECAL CAUTION EAR PLUG	1	
10	22973291	DECAL P600B MODEL NUMBER	2	
11	70873393	DECAL GENERAL DATA P600B LRG	1	
12	94114121	DECAL DANGER	1	
13	70874854	DECAL CAUTION BATTERY	1	
14	70876834	DECAL HI PRESSURE FLUID	1	
15	70876842	DECAL ROTATING FAN	2	
16	70876859	DECAL IMPROPER OPERATION	1	

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*****ALWAYS USE DOOSAN REPLACEMENT PARTS!*****

