



80447535
Revision A
August 2013

Contact-Cooled Rotary Screw Air Compressor

IRN5K, IRN7K, IRN11K
IRN7H, IRN10H, IRN15H

Parts Information



Save These Instructions



Only allow **Ingersoll Rand** trained Technicians to perform maintenance on this product. For additional information contact **Ingersoll Rand** factory or nearest Distributor.

The use of other than genuine **Ingersoll Rand** replacement parts may result in safety hazards, decreased performance and increased maintenance and may invalidate all warranties.

Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.

TABLE OF CONTENTS

TABLE OF CONTENTS	2
PARTS ORDERING INFORMATION	3
AIREND/BASE MTG. ASSEMBLY DRAWING AND PARTS LIST	4
MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST	13
COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST	26
ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST	46
INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST	62
REMOTE FAULT IND. OPTION DRAWING.....	84
ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST	85
PORO ASSEMBLY DRAWING AND PARTS LIST	92
HIGH DUST FILTER ASSEMBLY DRAWING AND PARTS LIST	95
RECOMMENDED PARTS LIST	97

PARTS ORDERING INFORMATION

These products are designed and constructed to provide long, trouble-free service. In time it may be necessary to order and install new parts to replace those that have been subjected to wear.

For your convenience and future reference it is recommended that the following information be recorded.

Model Number _____
 Serial Number _____
 Date Purchased _____

When ordering replacement parts, please specify the following:

1. Complete model number and serial number as it appears on the data (name) plate.
2. Part number(s) and part description as shown in this manual.
3. Quantity required.

NOTICE

- Continuing improvement and advancement of design may cause changes to this equipment which are not included in this manual. Manuals are periodically revised to incorporate changes. Always check the manual edition number on the front cover for the latest issue.
- Sections of this manual may not apply to your product.
- Using other than genuine **Ingersoll Rand** replacement parts may invalidate the warranty.

■ Return Goods Policy

Ingersoll Rand will not accept any returned goods for warranty or service work unless prior arrangements have been made and written authorization has been provided from the location where the goods were purchased.

Products which have been modified without **Ingersoll Rand** approval, mishandled or misused will not be repaired or replaced under warranty. A printed copy of the warranty which applies to this product is provided inside the back cover of this manual.

■ Disposal

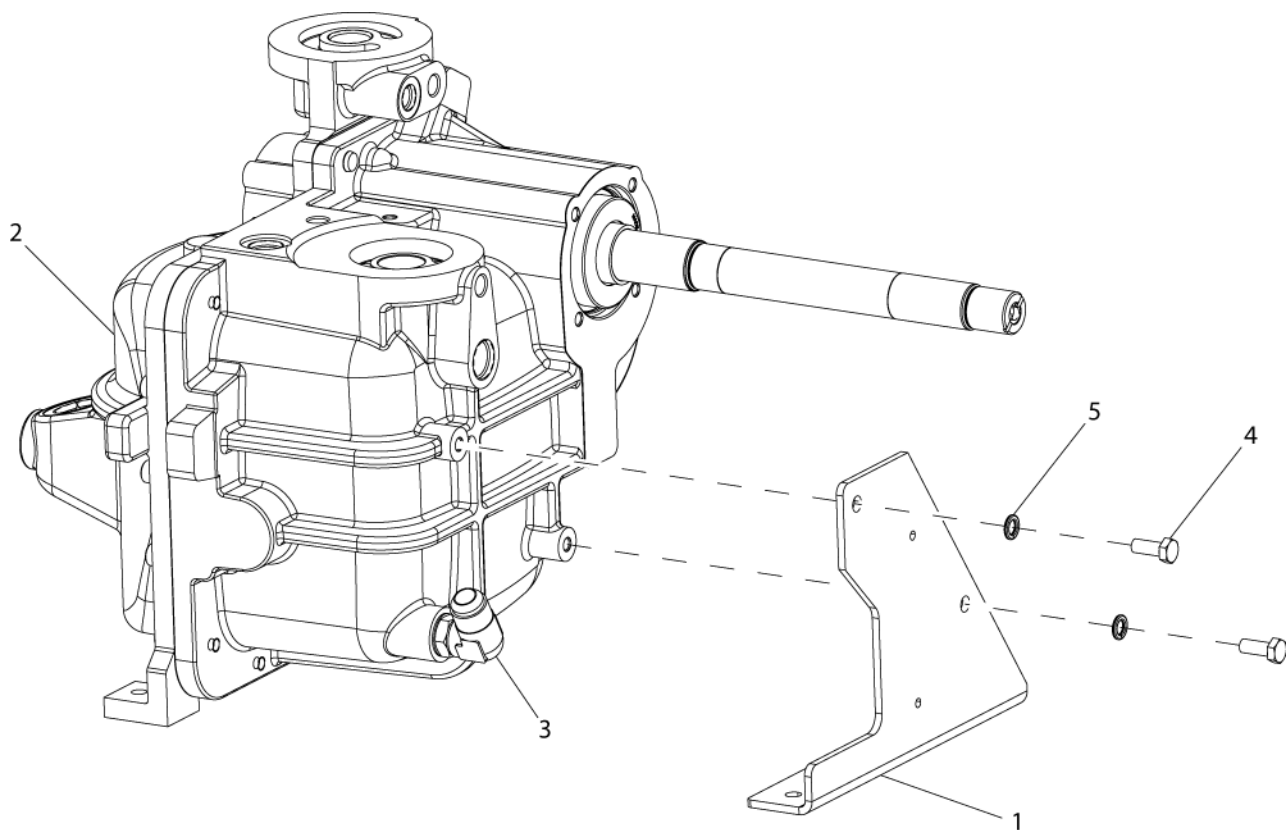


When the life of the product has expired, it is recommended that it be disassembled, degreased and parts separated as to materials so that they may be recycled.

For additional information contact nearest **Ingersoll Rand** Office or Distributor.

AIREND/BASE MTG. ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Support to Airend Subassembly



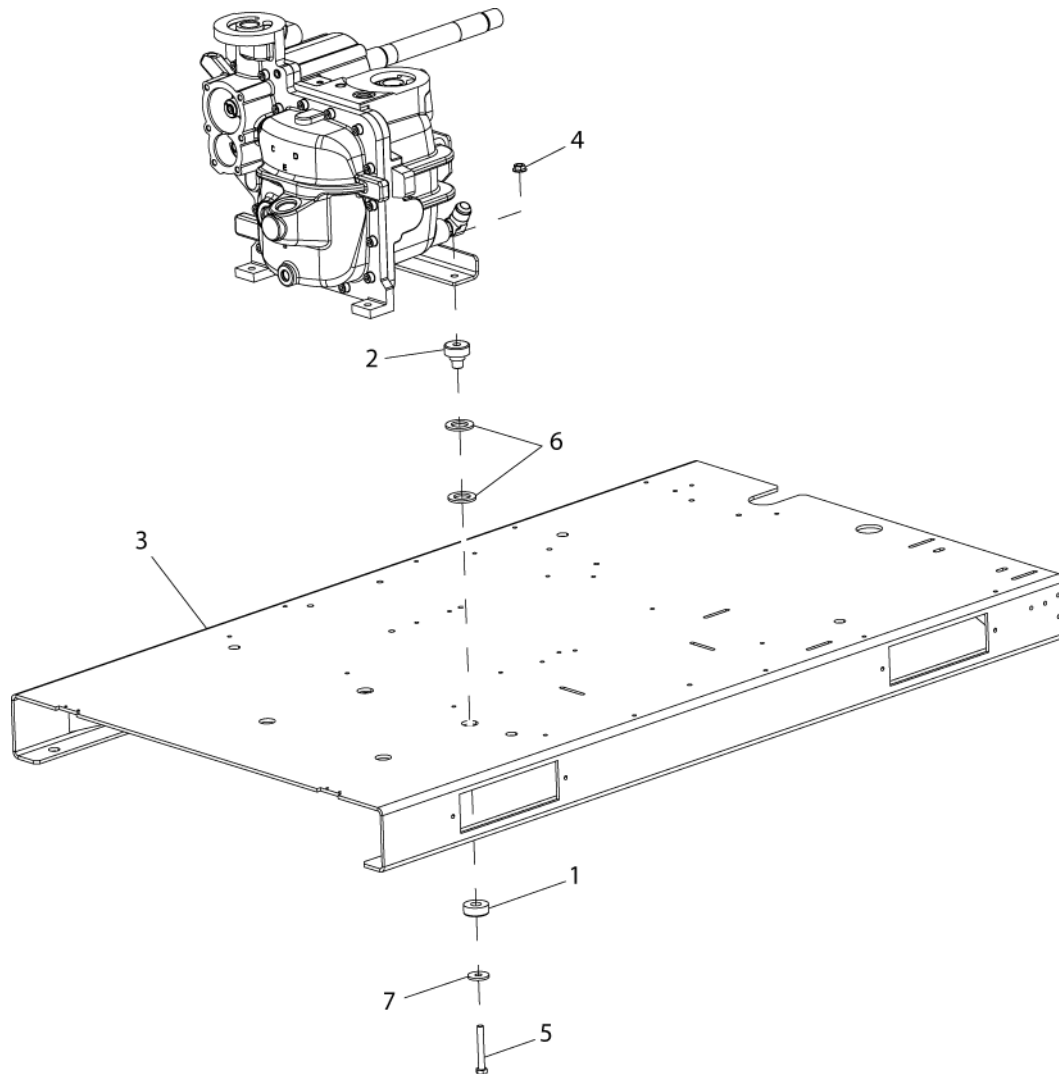
(Dwg. 22562698K2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22288633	SUPPORT, AIREND (BACK)	1
2	22465918	ASSY, SUB, CE55, 15 hp 2-PIECE DESIGN	1
3	95992871	ELBOW, 0.63 TUBE x 0.75 SAE	1
4	96702824	SCREW, HEX HEAD M8-1.25 x 20.0 LONG	2
5	96728316	LOCKWASHER, SPRING - M8	2

AIREND/BASE MTG. ASSEMBLY DRAWING AND PARTS LIST

Assemble Rear Airend Isolator Mounts



(Dwg. 22562698K3)

PARTS LIST

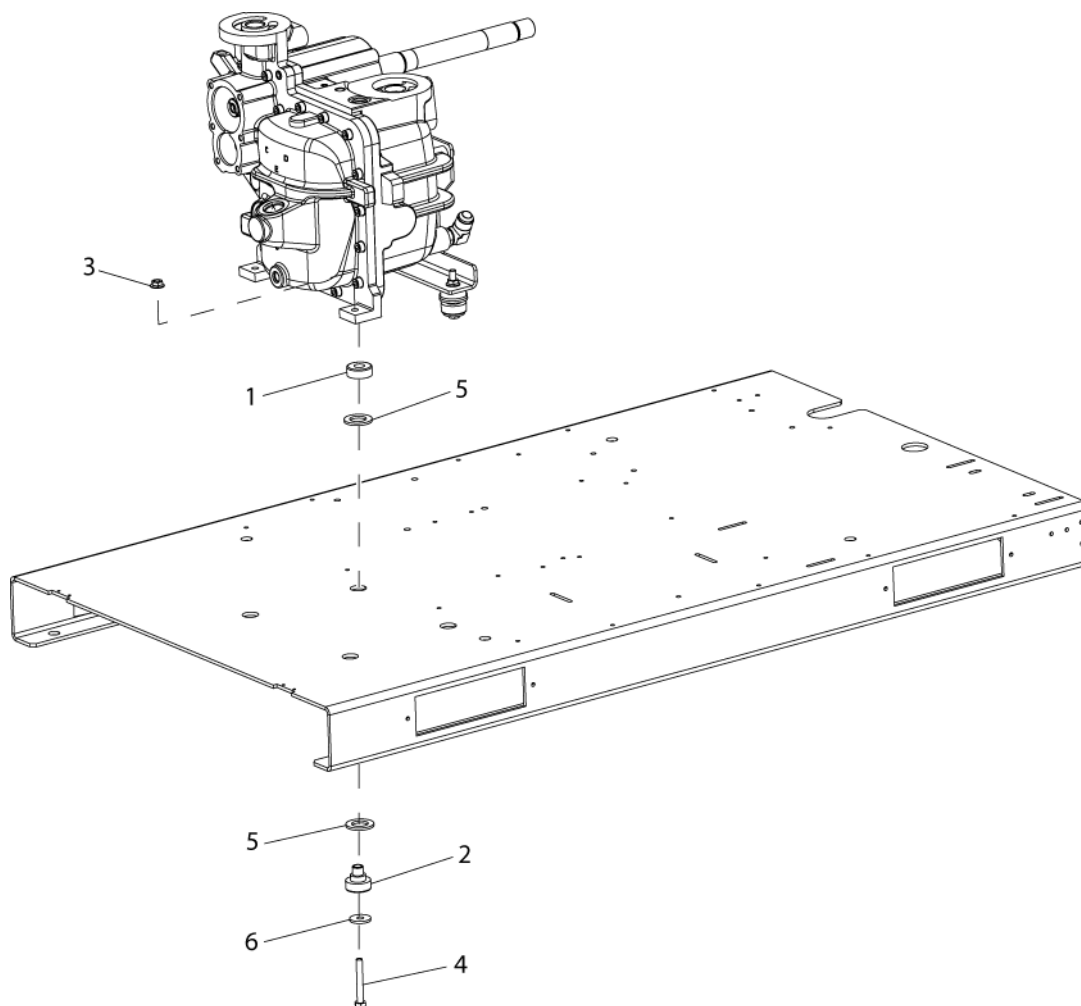
Item	Part No.	Description	Qty.
1	22355341	ISOLATOR, AIREND (FEMALE) (PART OF ISOLATOR ASSY. 22355341)	2
2	22355341	ISOLATOR, AIREND (MALE) (PART OF ISOLATOR ASSY. 22355341)	2
3	22488985	BASE	1
4	96704416	NUT, HEX FLANGE LOCK SERRATED M8-1.25	2
5	96712252	CAPSCREW, HEX HD. M8 x 60	2
6	96726971	WASHER, M20 PLAIN GRADE C	4
7	96740188	WASHER, LARGE OUTSIDE DIAMETER PRODUCT GRADE C M8	2

NOTE:

TORQUE CAPSCREWS 96712252 TO 24 N-M (18 FT-LBS.).

AIREND/BASE MTG. ASSEMBLY DRAWING AND PARTS LIST

Assemble Right Front Airend Isolator Mount



(Dwg. 22562698K4)

PARTS LIST

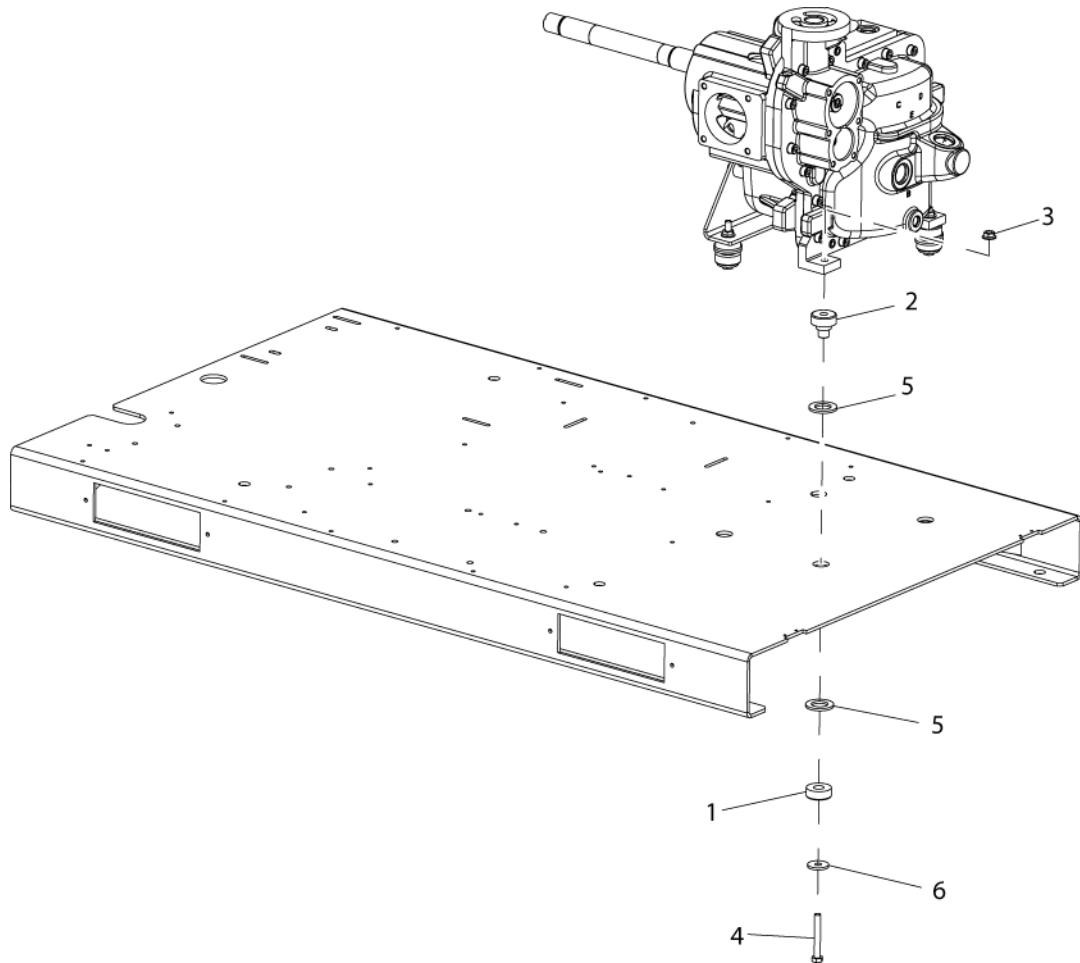
Item	Part No.	Description	Qty.
1	22355341	ISOLATOR, AIREND (FEMALE) (PART OF ISOLATOR ASSY. 22355341)	1
2	22355341	ISOLATOR, AIREND (MALE) (PART OF ISOLATOR ASSY. 22355341)	1
3	96704416	NUT, HEX FLANGE LOCK SERRATED M8-1.25	1
4	96712252	CAPSCREW, HEX HD. M8 x 60	1
5	96726971	WASHER, M20 PLAIN GRADE C	2
6	96740188	WASHER, LARGE OUTSIDE DIAMETER PRODUCT GRADE C M8	1

NOTE:

TORQUE CAPSCREWS 96712252 TO 24 N-M (18 FT-LBS.).

AIREND/BASE MTG. ASSEMBLY DRAWING AND PARTS LIST

Assemble Left Front Airend Isolator Mount



(Dwg. 22562698K5)

PARTS LIST

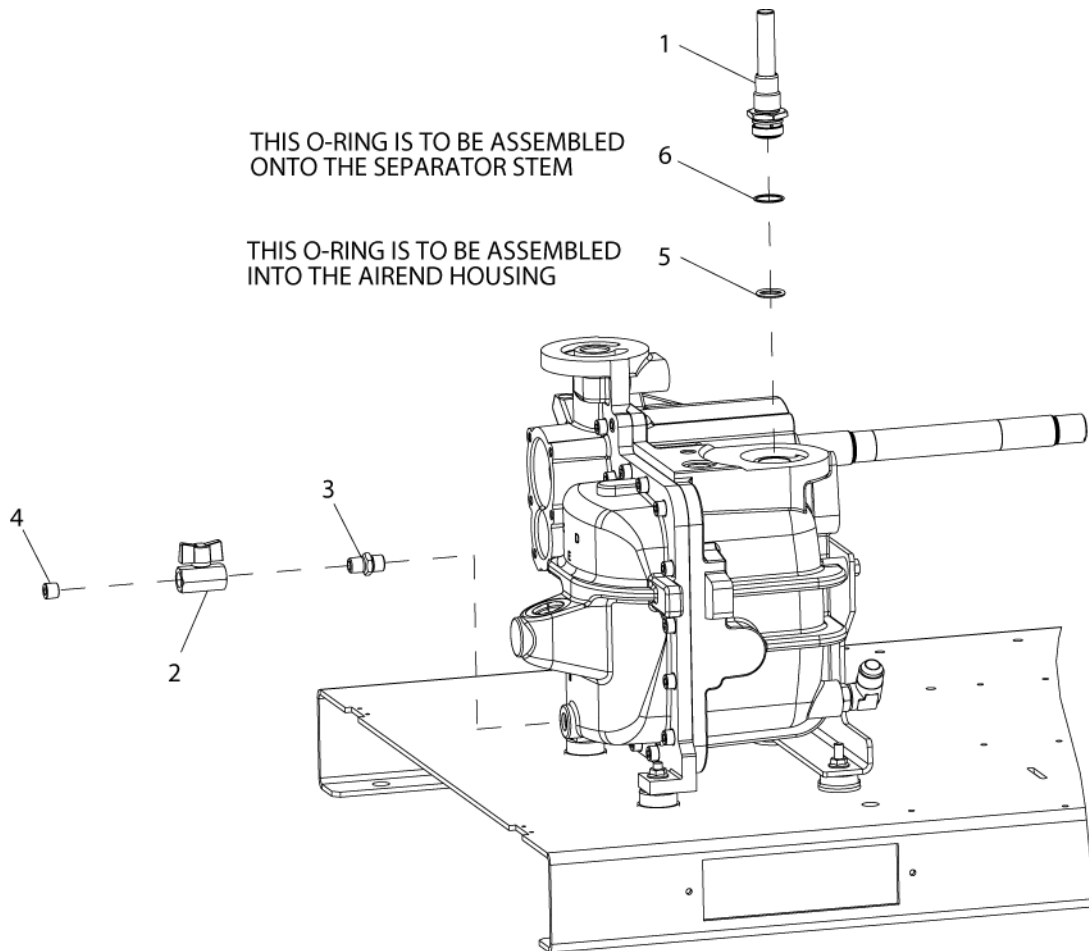
Item	Part No.	Description	Qty.
1	22355341	ISOLATOR, AIREND (FEMALE) (PART OF ISOLATOR ASSY. 22355341)	1
2	22355341	ISOLATOR, AIREND (MALE) (PART OF ISOLATOR ASSY. 22355341)	1
3	96704416	NUT, HEX FLANGE LOCK SERRATED M8-1.25	1
4	96712252	CAPSCREW, HEX HD. M8 x 60	1
5	96726971	WASHER, M20 PLAIN GRADE C	2
6	96740188	WASHER, LARGE OUTSIDE DIAMETER PRODUCT GRADE C M8	1

NOTE:

TORQUE CAPSCREWS 96712252 TO 24 N-M (18 FT-LBS.).

AIREND/BASE MTG. ASSEMBLY DRAWING AND PARTS LIST

Assemble Oil Separator Element Stem into Airend



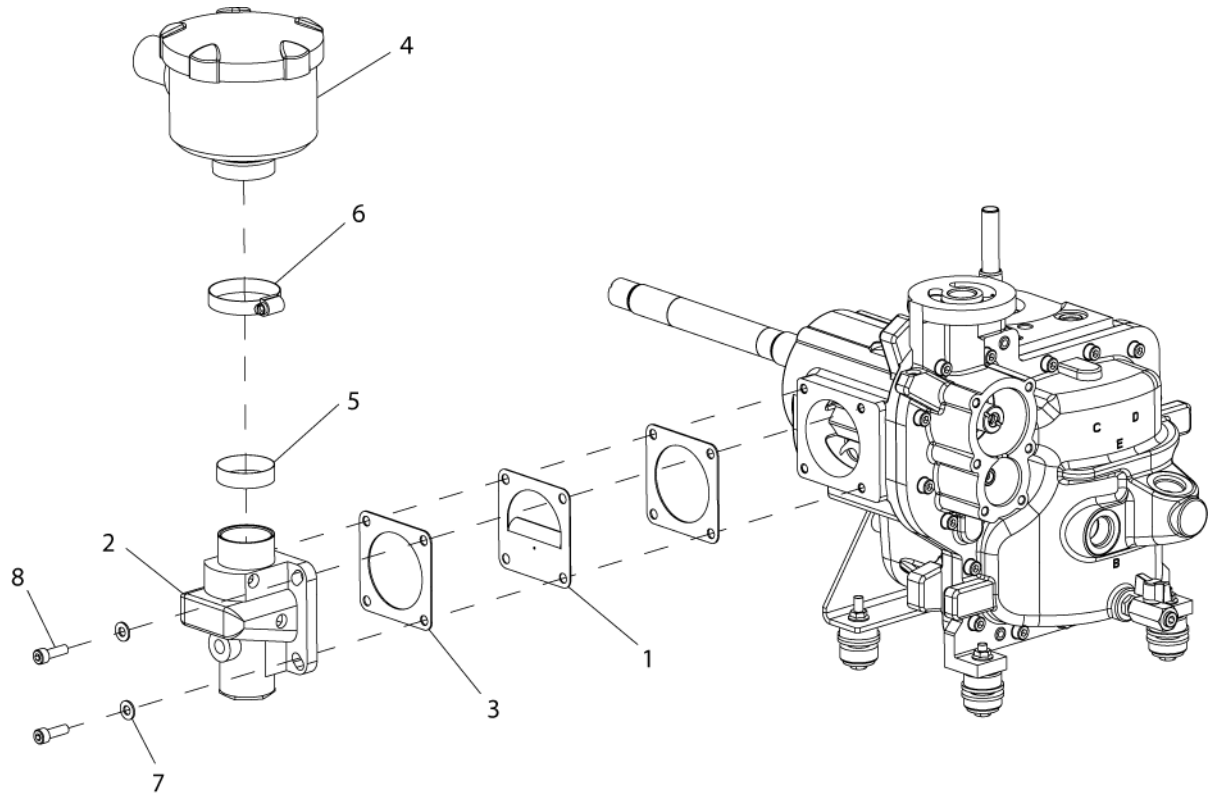
(Dwg. 22562698K6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22232813	ASSY, OIL SEPARATOR STEM CE55 15 hp	1
2	22456388	VALVE, BALL 1/4" BSPT (OIL DRAIN)	1
3	22476618	ADAPTER, 0.25" BSPT MALE x 0.562" SAE STR. THD.	1
4	22476667	PLUG, 0.25" BSPT (COUNTERSUNK HEX)	1
5	95022133	O-RING, STANDARD -210 0.750 ID x 0.125 WIDTH	1
6	95025466	O-RING, STANDARD -021 0.926 ID x 0.062 WIDTH	1

AIREND/BASE MTG. ASSEMBLY DRAWING AND PARTS LIST

Assemble Inlet Valve and Standard Air Filter



(Dwg. 22562698K7)

PARTS LIST

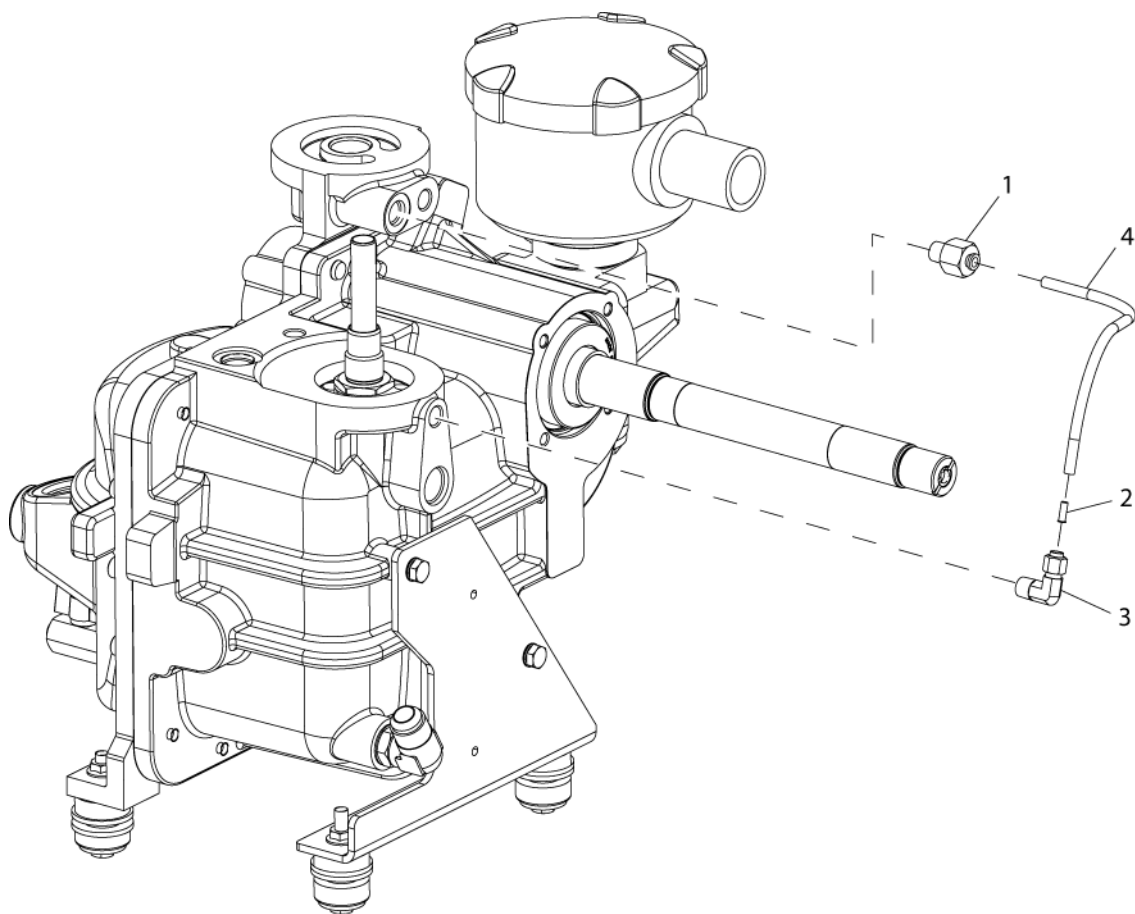
Item	Part No.	Description	Qty.
1	22471817	BAFFLE, INLET VALVE	1
2	22937742	VALVE, INLET, N.O.	1
3	42684795	GASKET, INLET VALVE	2
4	89243778	AIR FILTER	1
5	89246078	SEAL, SPACER	1
6	95235156	CLAMP, HOSE WORM DRIVE STAINLESS STEEL	1
7	96704671	WASHER, PRODUCT GRADE A M8	4
8	96708060	SCREW, SOCKET HEAD M8 x 25.0 LONG	4

NOTES:

1. TORQUE CAPSCREWS 96708060 TO 24 N-M (18 FT-LBS.).
2. FOR HIGH DUST FILTER ASSEMBLY REFERENCE DRAWING 22928378.

AIREND/BASE MTG. ASSEMBLY DRAWING AND PARTS LIST

Assemble Oil Scavenge Tube and Fittings



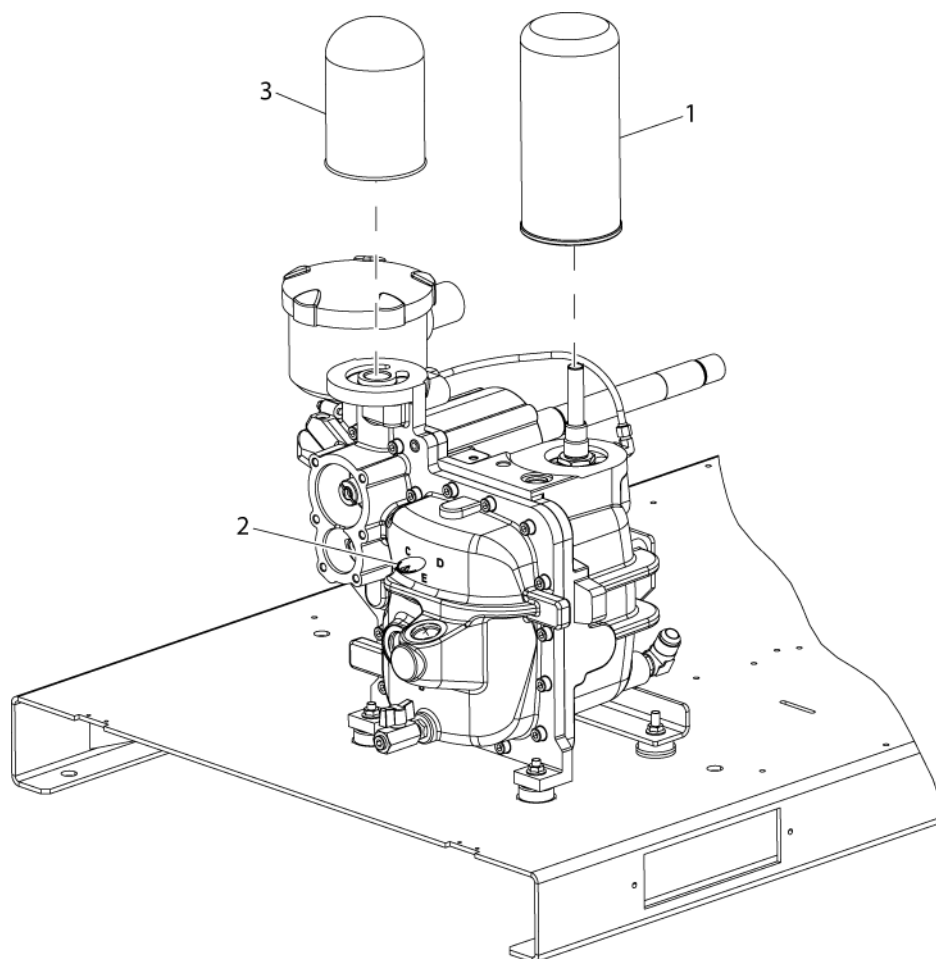
(Dwg. 22562698K8)

PARTS LIST

Item	Part No.	Description	Qty.
1	22380216	VALVE, CHECK (0.039" ORIF) 0.25" BSPT x 6 mm TUBE	1
2	22770069	INSERT, 6 mm PLASTIC TUBE	1
3	92067933	ELBOW, MALE METRU-LOK 6 mm TUBE x 1/4" BSPT	1
4	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	1.5 FT.

AIREND/BASE MTG. ASSEMBLY DRAWING AND PARTS LIST

Assemble Oil Filter and Separator Element. Install Oil Fill Decal.



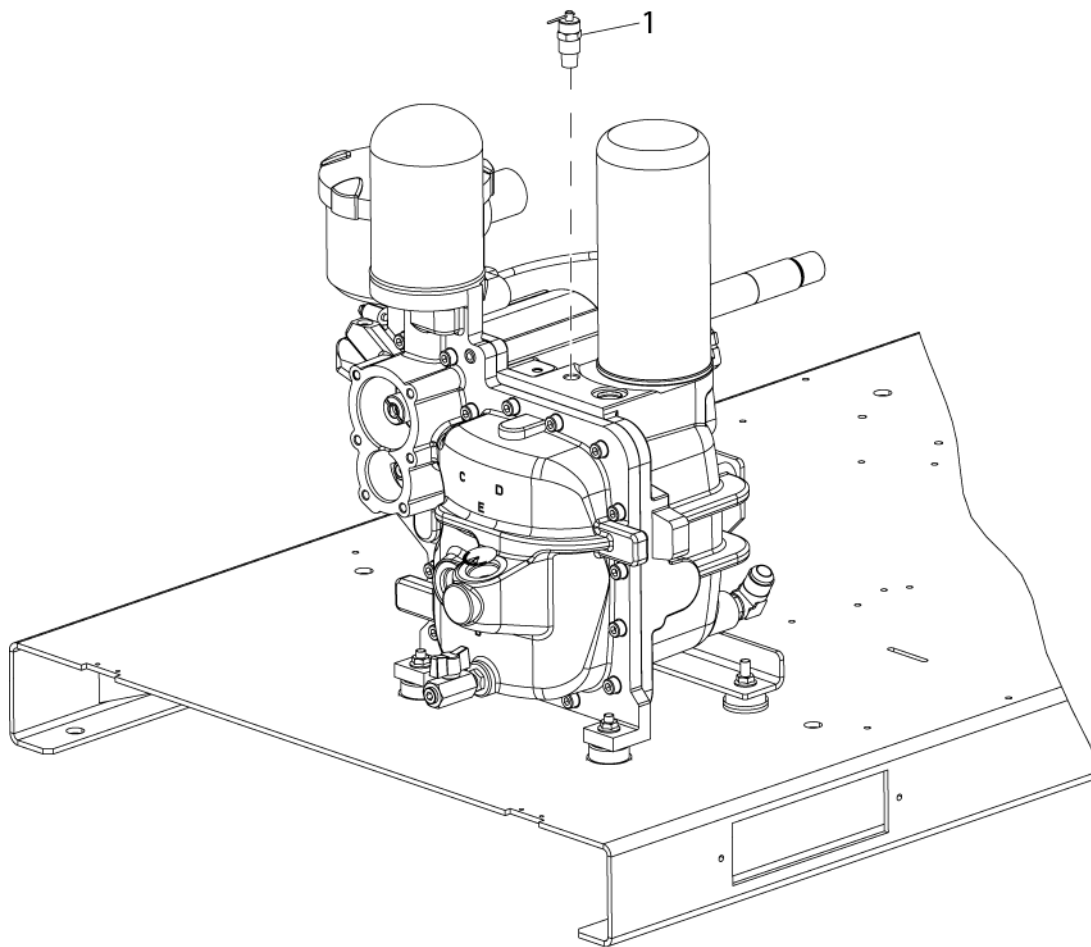
(Dwg. 22562698K9)

PARTS LIST

Item	Part No.	Description	Qty.
1	24121212	ELEMENT, SEPARATOR	1
2	24071771	DECAL, ULTRA EL	1
	24071755	DECAL, ULTRA FG	1
	22870109	DECAL, ULTRA PLUS	1
	23175243	DECAL, ULTRA	1
3	39329602	ELEMENT, OIL FILTER 4" DIA	1

AIREND/BASE MTG. ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Relief Valve



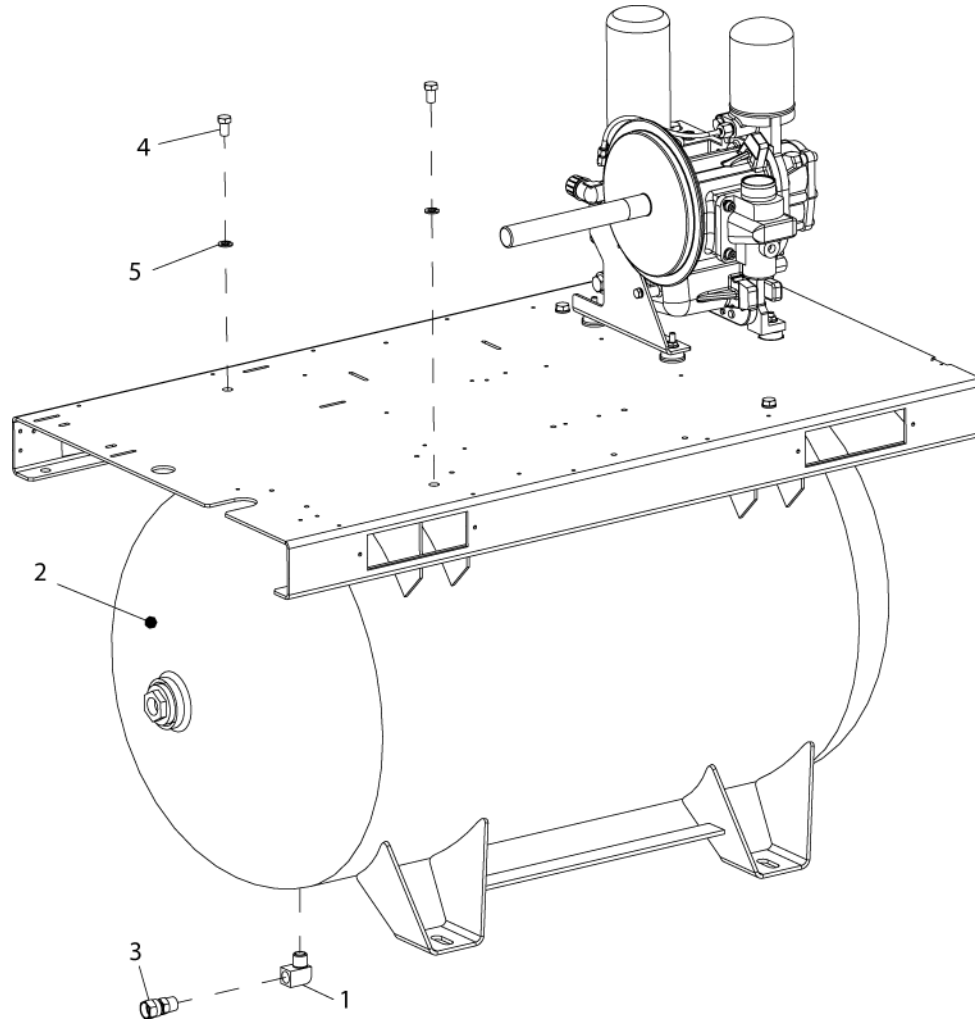
(Dwg. 22562698K10)

PARTS LIST

Item	Part No.	Description	Qty.
1	22378665	VALVE, PRESSURE SAFETY SET PRESSURE 232 PSIG, 60 Hz (ASME)	1
	22401590	VALVE, PRESSURE SAFETY SET PRESSURE 232 PSIG, 50 Hz (PED)	1

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Base to Receiver (if Required) and Drain Valve Fittings (Non-Dryer Packages)



(Dwg. 22562706E2)

PARTS LIST

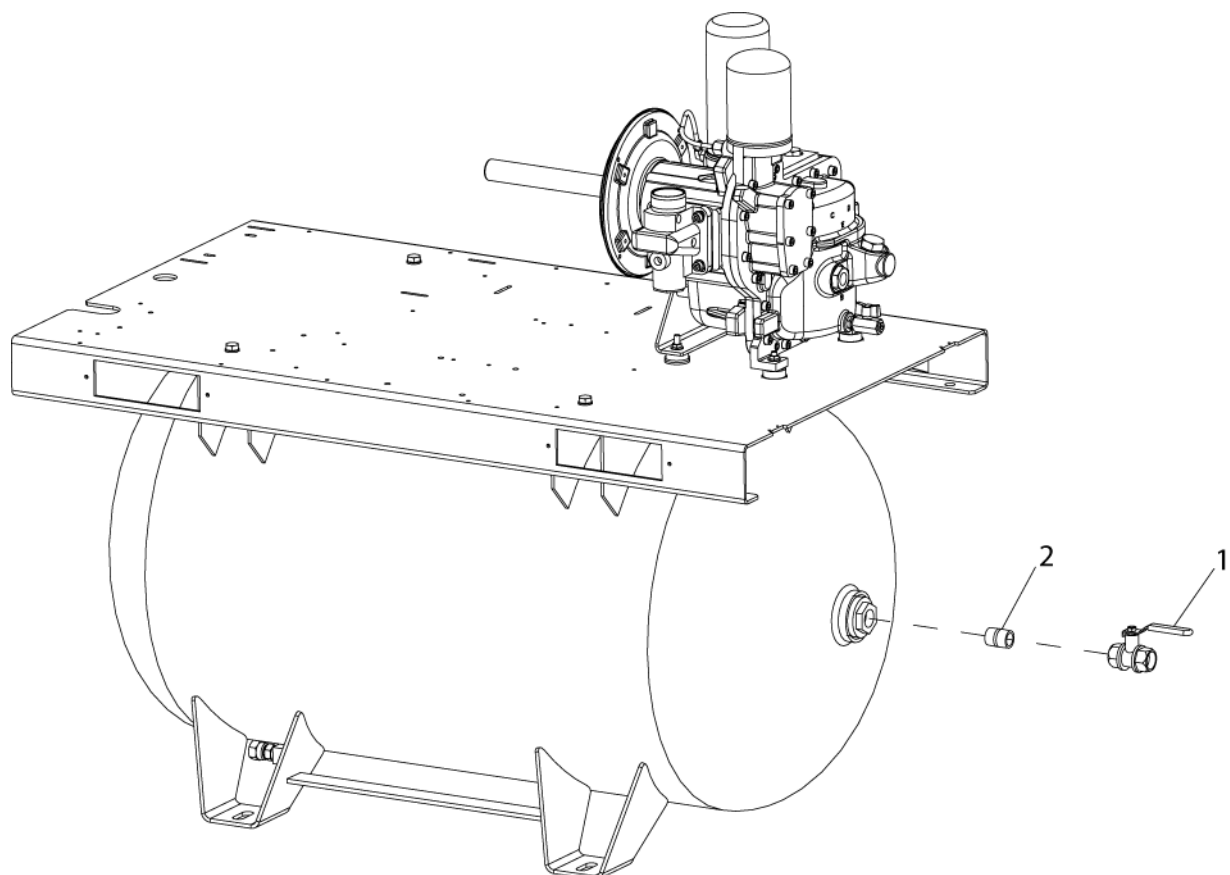
Item	Part No.	Description	Qty.
1	SEE TABLE	ELBOW	1
2	SEE TABLE	ASSEMBLY, RECEIVER	1
3	SEE TABLE	CONNECTOR	1
4	96719869	SCREW, HEX HEAD M12-1.75 x 20.0 LONG	4
5	96739933	WASHER, SPRING LOCK, CURVED TYPE A, M12	4

PARTS TABLE

ITEM	7.5-15 HP 60 HZ	5-11 KW 50 HZ
ELBOW	16545998 STREET 0.50" NPT	92354513 STREET 0.50" BSPT
RECEIVER TANK ASSY	22325500 (80 GALLON)	22348304 (272 LITRE)
	22348296 (120 GALLON)	22348312 (500 LITRE)
CONNECTOR	95989638 0.50" NPT x 0.63 FEMALE TUBE	22062327 0.50" BSPT x 0.63 FEMALE TUBE

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Ball Valve to Receiver



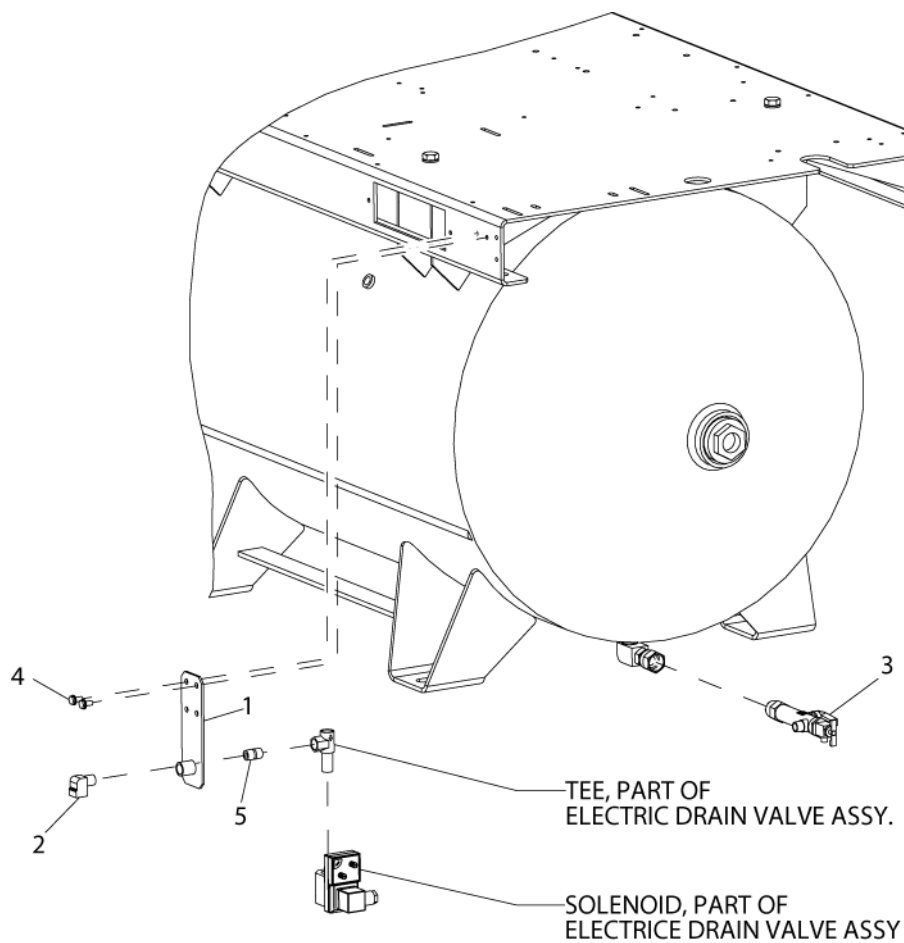
(Dwg. 22562706E3)

PARTS LIST

Item	Part No.	Description	Qty.
1	32106569	VALVE, BALL, 7.5-15 hp, 0.75" NPT	1
	93179661	VALVE, BALL, 5-11 kW, 0.75" BSPT	1
2	95458808	NIPPLE, EXTRA STRONG, 7.5-15 hp, 0.75" NPT	1
	92255934	NIPPLE, EXTRA STRONG, 5-11 kW, 0.75" BSPT	1

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Electric Drain Valve Assembly (Non-Dryer Packages)



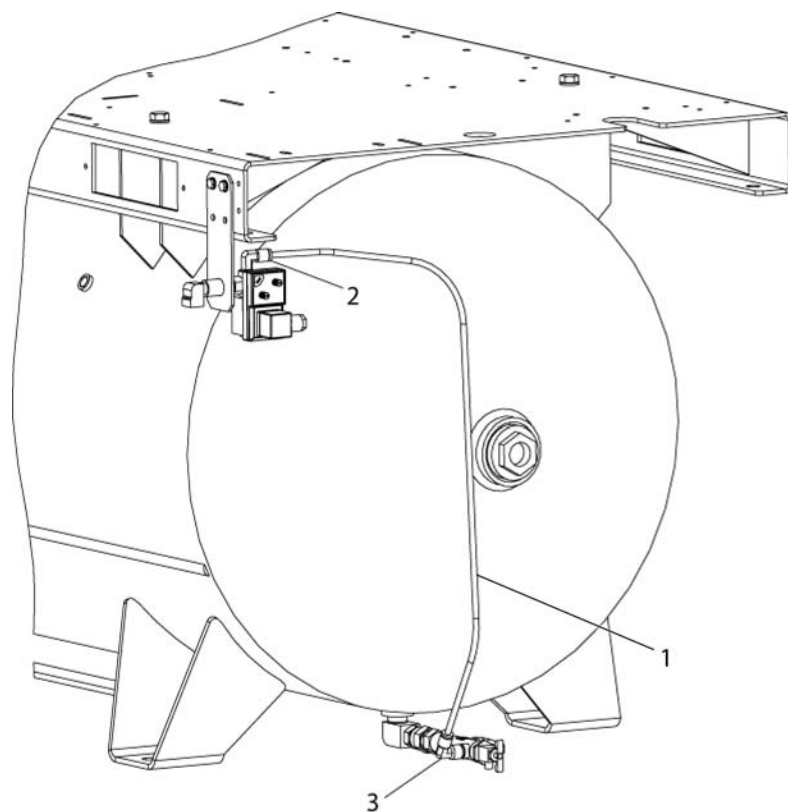
(Dwg. 22562706E4)

PARTS LIST

Item	Part No.	Description	Qty.
1	32341760	BRACKET, EDV-2000	1
2	37143542	ELBOW, STREET 1/4NPT	1
3	54579248	ASSEMBLY, ELECTRIC DRAIN VALVE 125 V	1
	85582914	ASSEMBLY, ELECTRIC DRAIN VALVE 230 V	1
4	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2
5	95667341	NIPPLE, EXTRA STRONG 0.25 NPT x 0.88 LONG	1

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble EDV Drain Tube (Non-Dryer Packages)



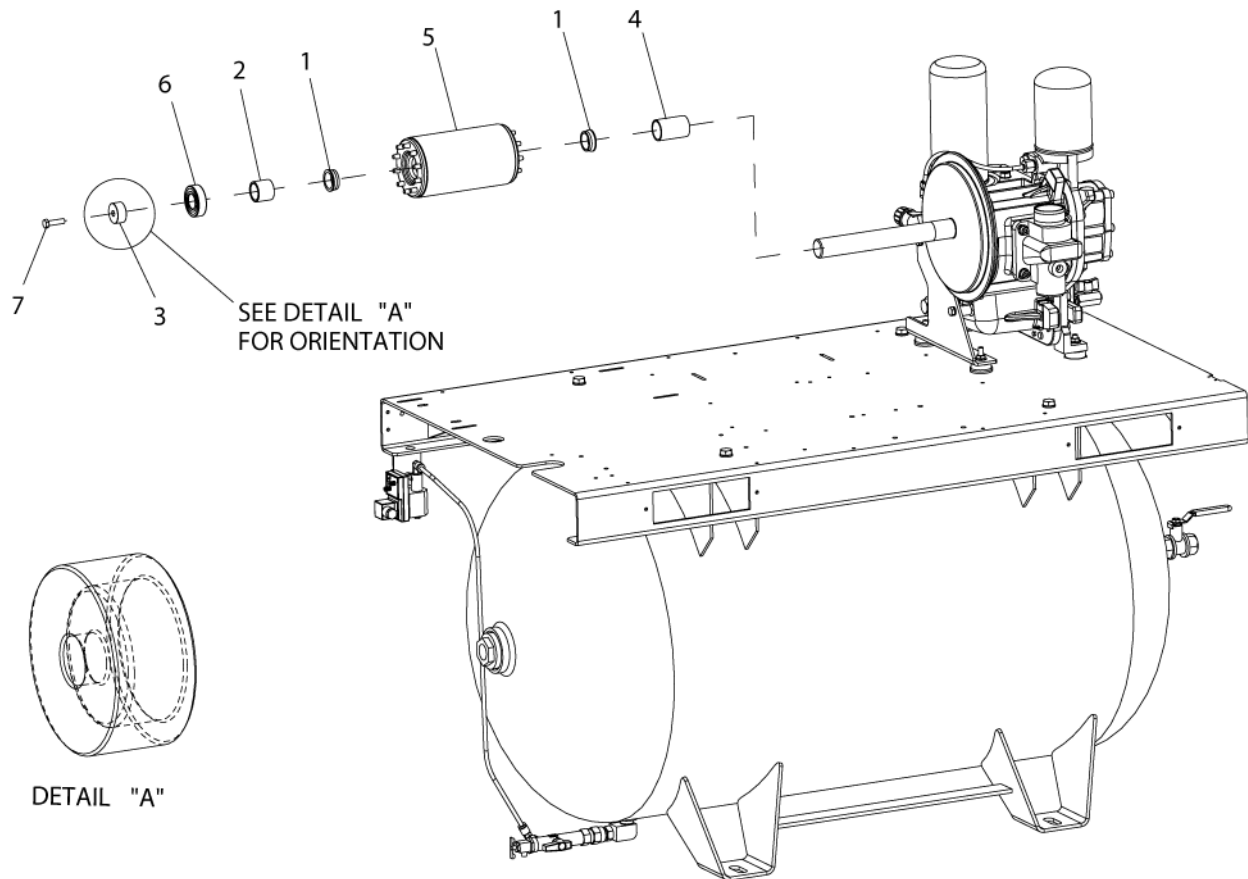
(Dwg. 22562706E5)

PARTS LIST

Item	Part No.	Description	Qty.
1	39124813	TUBING, 0.25" SYNPLEX	2.7 FT.
2	39155478	ELBOW, 0.25 NPT x 0.25 TUBING	1
3	39156336	ELBOW, 0.25 FNPT x 0.25 TUBE	1

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Motor Rotor onto Airend Male Rotor Shaft



(Dwg. 22562706E6)

PARTS LIST

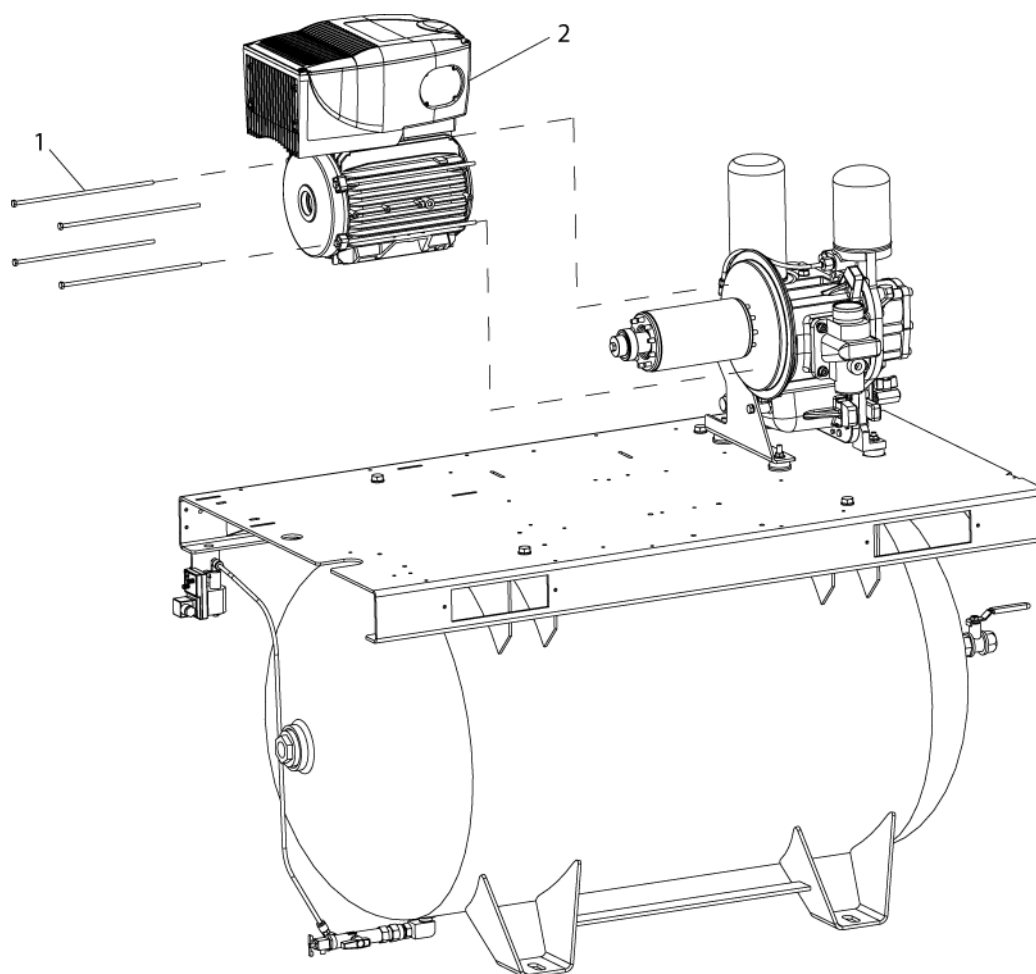
Item	Part No.	Description	Qty.
1	22254916	RING, TAPER LOCK MOTOR ROTOR	2
2	22254924	SPACER, BRG. M27 x 34 x 29 W (SOLUTION A)	1
3	22255541	PLATE, BEARING CLAMP M9 x 34 x 12W	1
4	22256556	SPACER, MOTOR ROTOR M30 x 35 x 53, SOLUTION A	1
5	22261770	ROTOR, 15 hp MOTOR CE55 (SOLUTION A)	1
6	23478472	ASSY, BALL BEARING, M25 x 52 x 15, SEALED, LOW & HIGH VOLTAGE ESA	1
	22963953	ASSY, BALL BEARING, M25 x 52 x 15, LOW & HIGH VOLTAGE AMERICAS	1
7	96705587	SCREW, HEX HEAD M8-1.25 x 30.0 LONG	1

NOTES:

1. FOR ITEM 96705587 APPLY LOCTITE #242 THEN TORQUE TO 26 N-M (19 FT-LBS.).
2. AFTER ASSEMBLY, THE MAXIMUM ALLOWABLE RUNOUT ON BEARING 22254692 IS TO BE 0.10 MM [0.004"].

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Stator/Drive Assembly onto Rotor



(Dwg. 22562706E7)

PARTS LIST

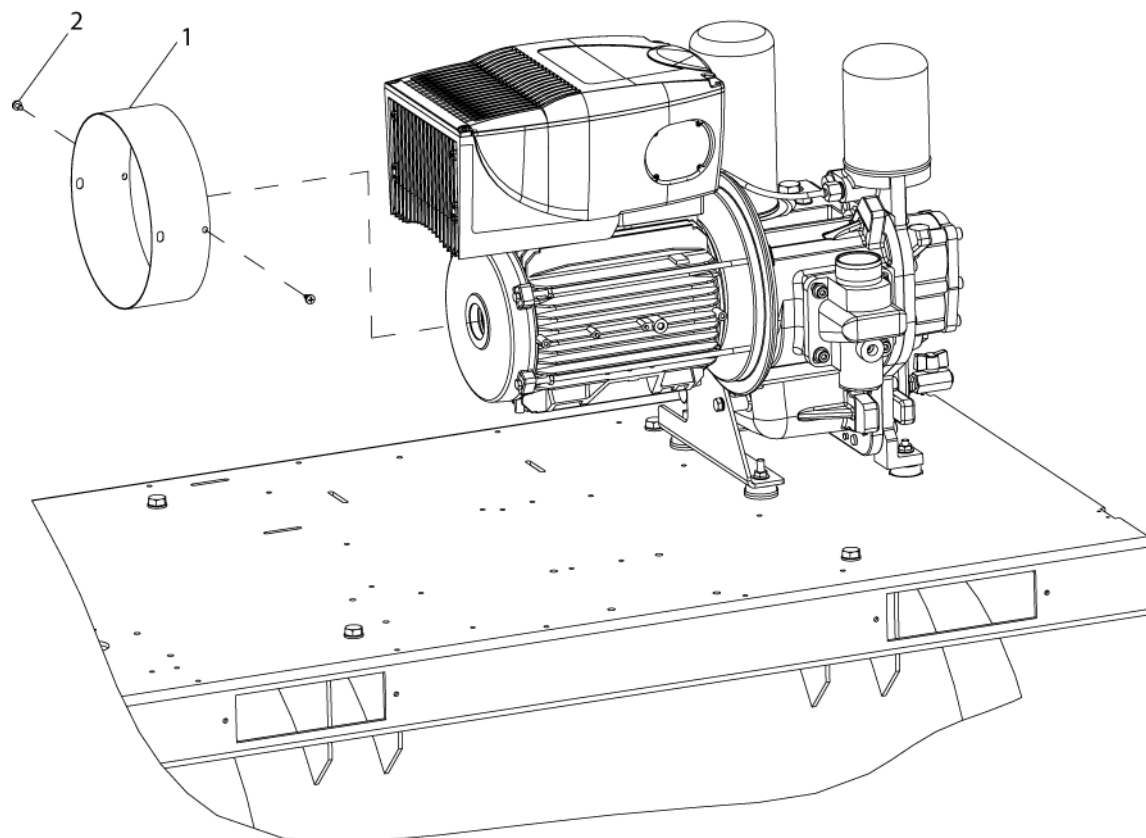
Item	Part No.	Description	Qty.
1	22311609	SCREW, MOTOR TIE ROD M6 x 256	4
2	23478472	ASSEMBLY, MOTOR/DRIVE, 15 hp LOW VOLTAGE	1
	22963953	ASSEMBLY, MOTOR/DRIVE, 15 hp HIGH VOLTAGE	1

NOTE:

TORQUE MOTOR TIE ROD SCREWS TO 8 N-M (6 FT-LBS.) IN A CRISS-CROSS PATTERN IN TWO STEPS. IN THE FIRST STEP TORQUE ALL TO 4 N-M (3 FT-LBS.), AND TORQUE TO FINAL VALUE OF 8 N-M (6 FT-LBS) IN THE SECOND STEP.

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Motor Cooling Ring



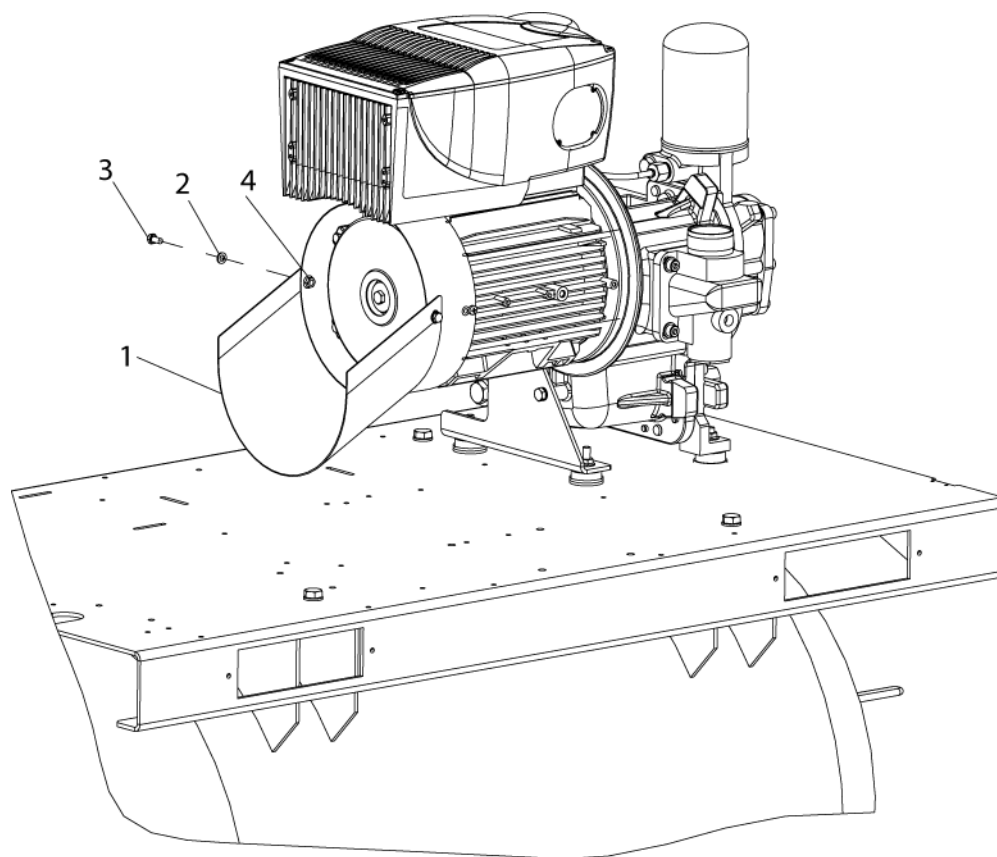
(Dwg. 22562706E8)

PARTS LIST

Item	Part No.	Description	Qty.
1	22365209	RING, MOTOR COOLING	1
2	22475826	SCREW, M5 x 0.8 x 10 MM LG. PAN HD. (THREAD FORMING)	2

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Motor Cooling Air Deflector (Low Voltage Motor only)



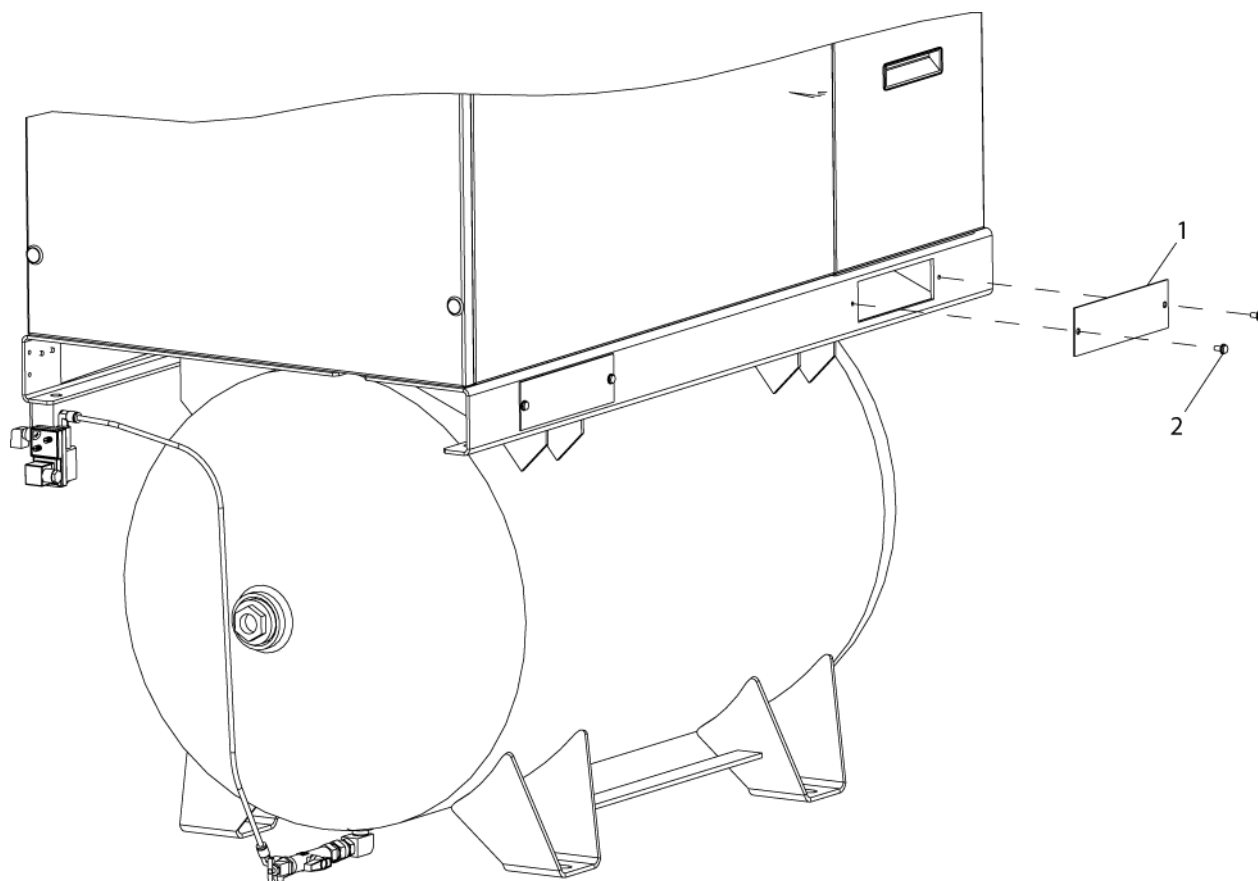
(Dwg. 22562706E9)

PARTS LIST

Item	Part No.	Description	Qty.
1	22403869	DEFLECTOR, COOLING AIR	1
2	96705199	WASHER, PLAIN GRADE C, 6	2
3	96716105	SCREW, HEX HEAD M6-1.00 x 12.0 LONG	2
4	96742747	NUT, HEX FLANGE LOCK SERRATED M6-1.00	2

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Covers for Forklift Openings to Base



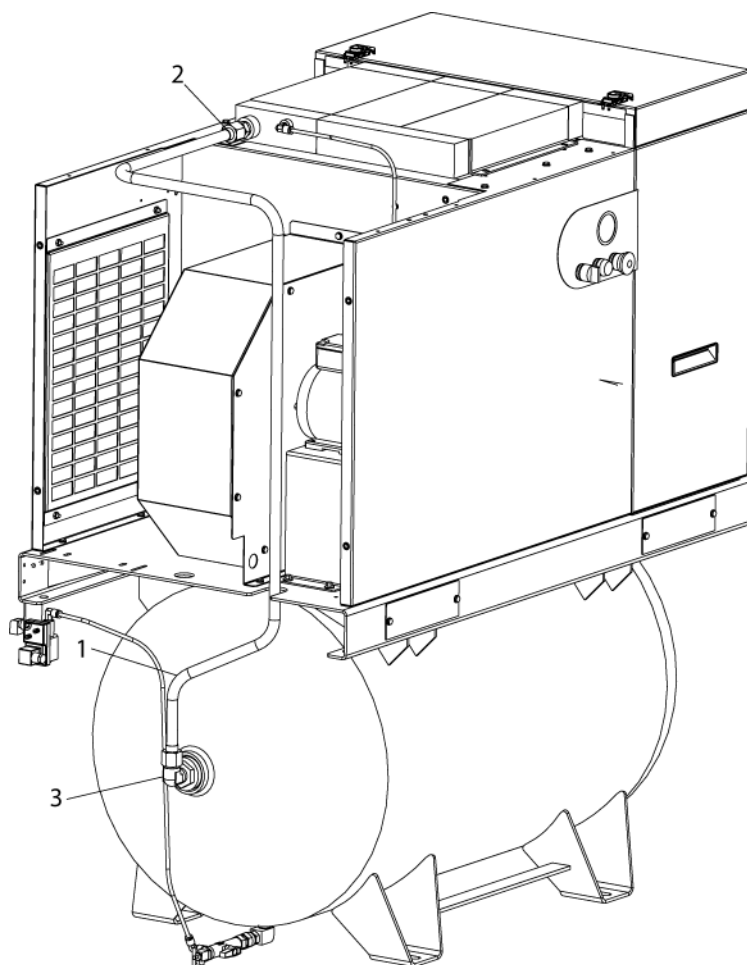
(Dwg. 22562706E10)

PARTS LIST

Item	Part No.	Description	Qty.
1	22058580	COVER, FORKLIFT OPENING	4
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	8

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Discharge Tube



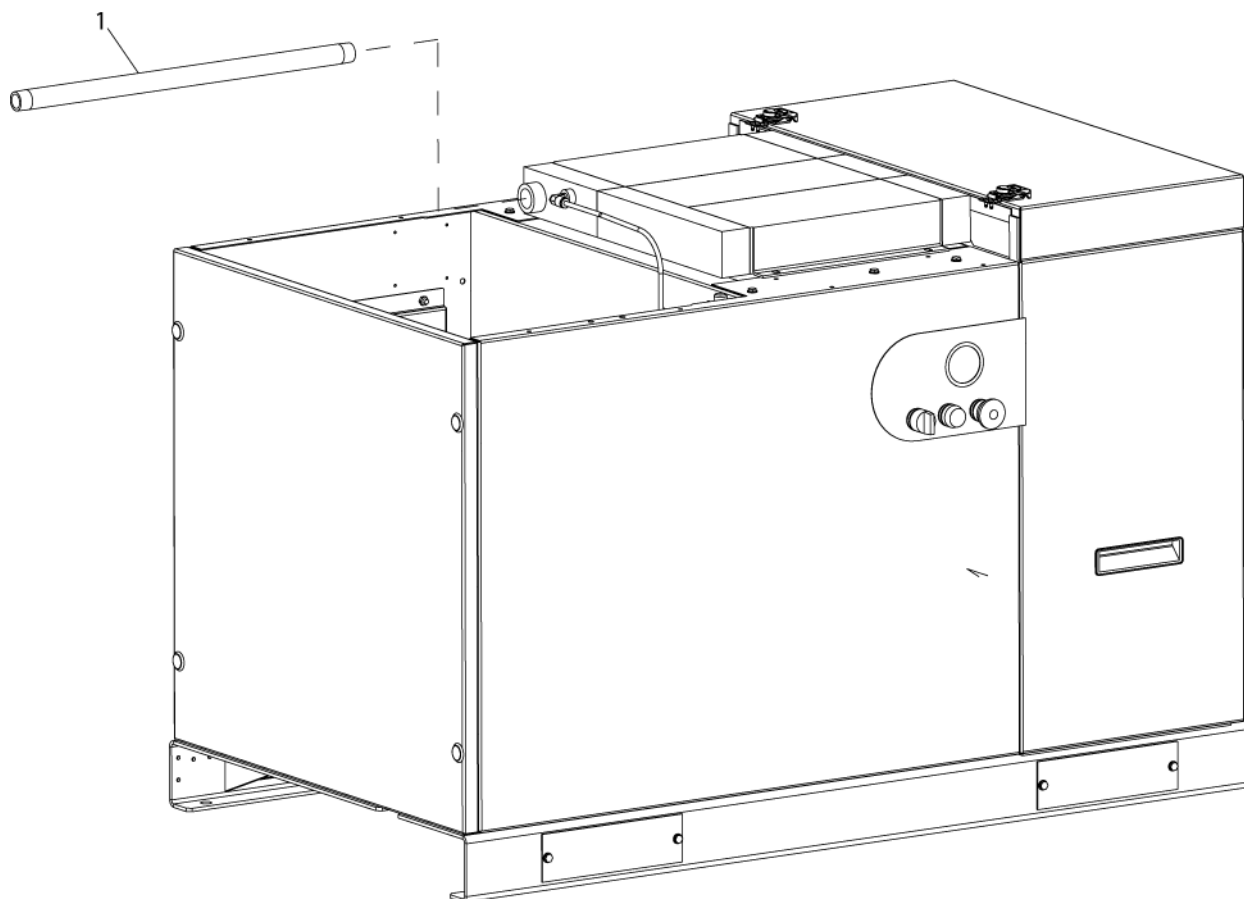
(Dwg. 22562706E11)

PARTS LIST

Item	Part No.	Description	Qty.
1	22532246	TUBE ASSEMBLY, DISCHARGE (80 GALLON)	1
	22532253	TUBE ASSEMBLY, DISCHARGE (120 GALLON)	1
	22524599	TUBE ASSEMBLY, DISCHARGE (272 LITRE)	1
	22532261	TUBE ASSEMBLY, DISCHARGE (500 LITRE)	1
2	95937512	CONNECTOR, 7-15 hp 60 Hz	1
	92176692	CONNECTOR, 5-11 kW 50 Hz	1
3	95937637	ELBOW, 7-15 hp 60 Hz	1
	92176692	ELBOW, 5-11 kW 50 Hz	1

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Discharge Pipe (Baseplate Non-Dryer Packages only)



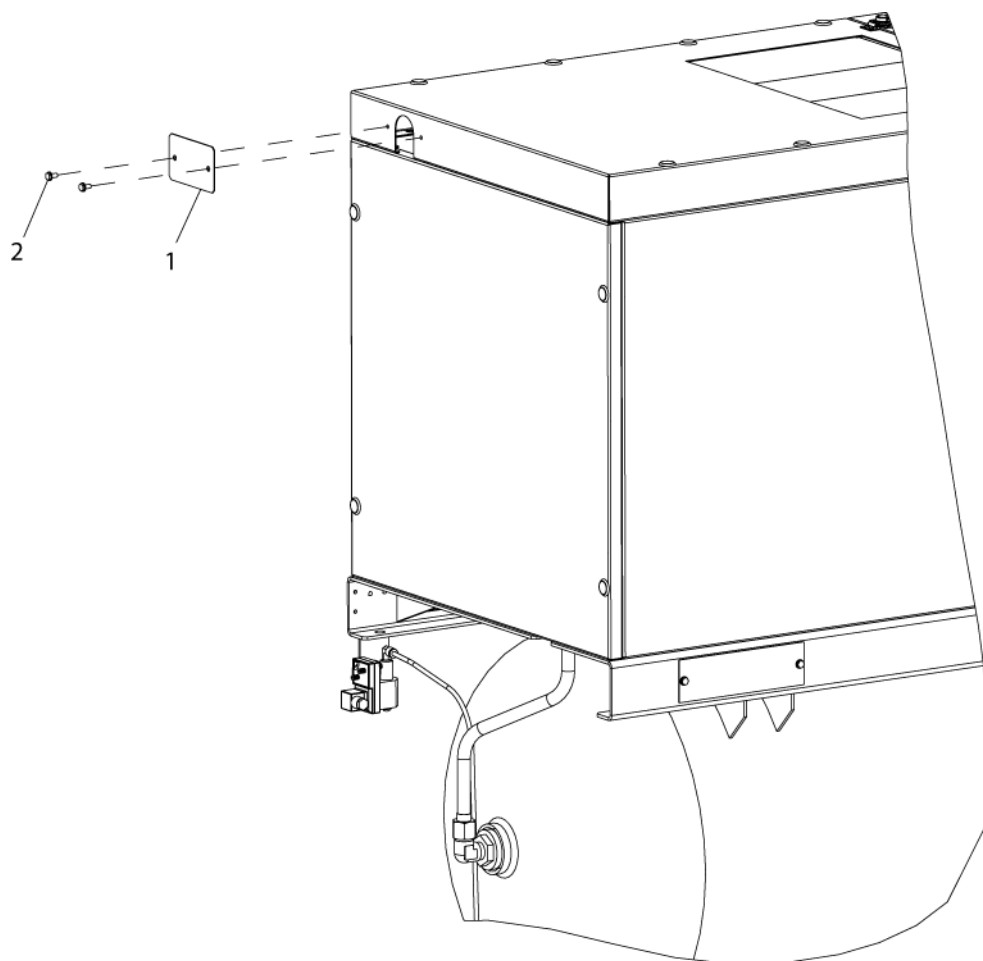
(Dwg. 22562706E12)

PARTS LIST

Item	Part No.	Description	Qty.
1	22550966	PIPE, DISCHARGE EXTENSION 7-15 hp 60 Hz	1
	22550974	PIPE, DISCHARGE EXTENSION 5-11 kW 50 Hz	1

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Enclosure Discharge Opening Cover



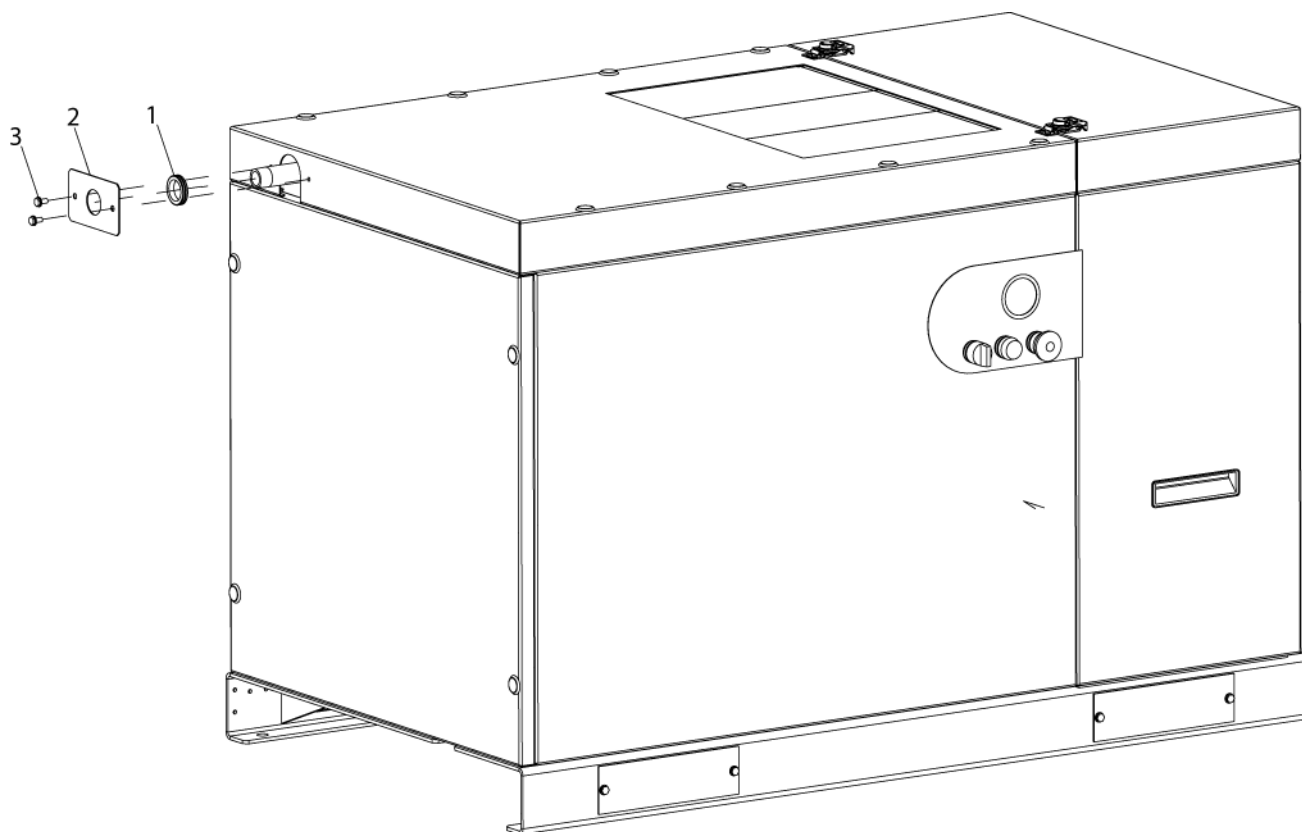
(Dwg. 22562706E13)

PARTS LIST

Item	Part No.	Description	Qty.
1	22382154	COVER, DISCHARGE OPENING (ENCLOSURE)	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2

MOTOR/AIREND ASSEMBLY DRAWING AND PARTS LIST

Assemble Enclosure Discharge Opening Cover (Baseplate Non-Dryer Packages only)



(Dwg. 22562706E14)

PARTS LIST

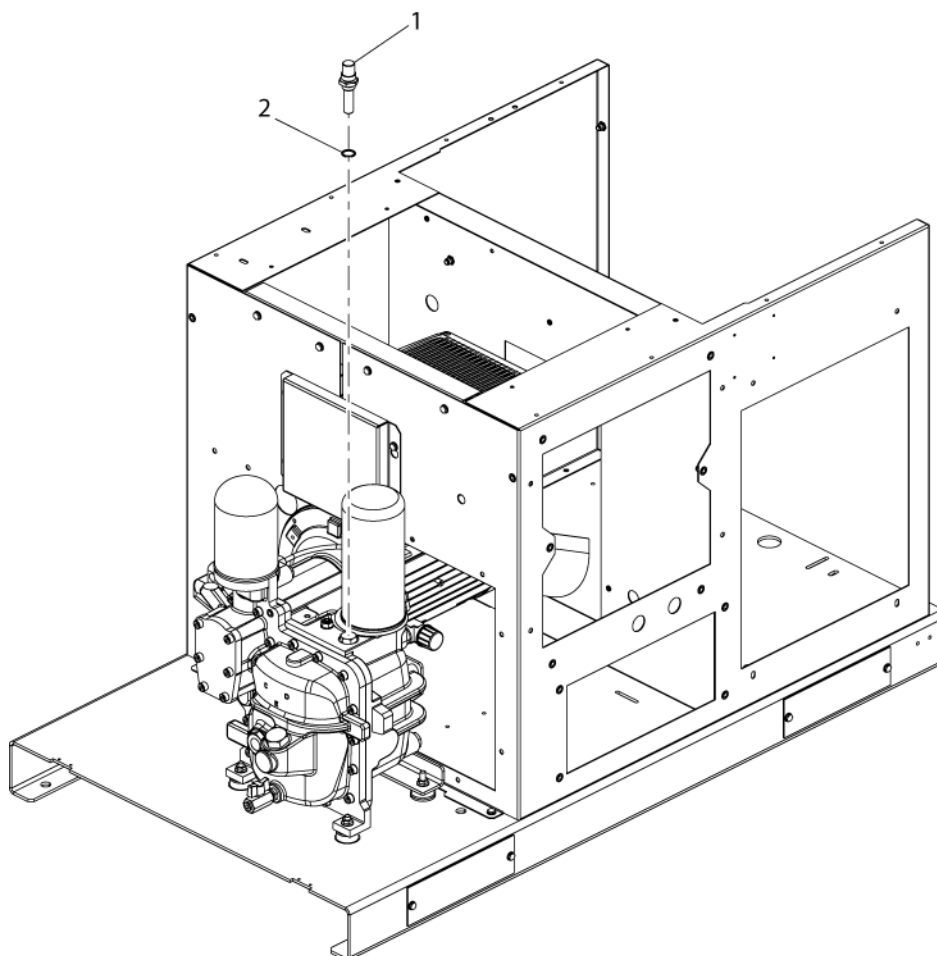
Item	Part No.	Description	Qty.
1	22389498	GROMMET, DISCH. EXT. PIPE	1
2	22524540	COVER, DISCHARGE OPENING (BASEPLATE STD. PKGS.)	1
3	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2

NOTE:

THIS STEP APPLIES TO BASEPLATE NON-DRYER PACKAGES ONLY.

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble High Air Temperature Switch into Airend



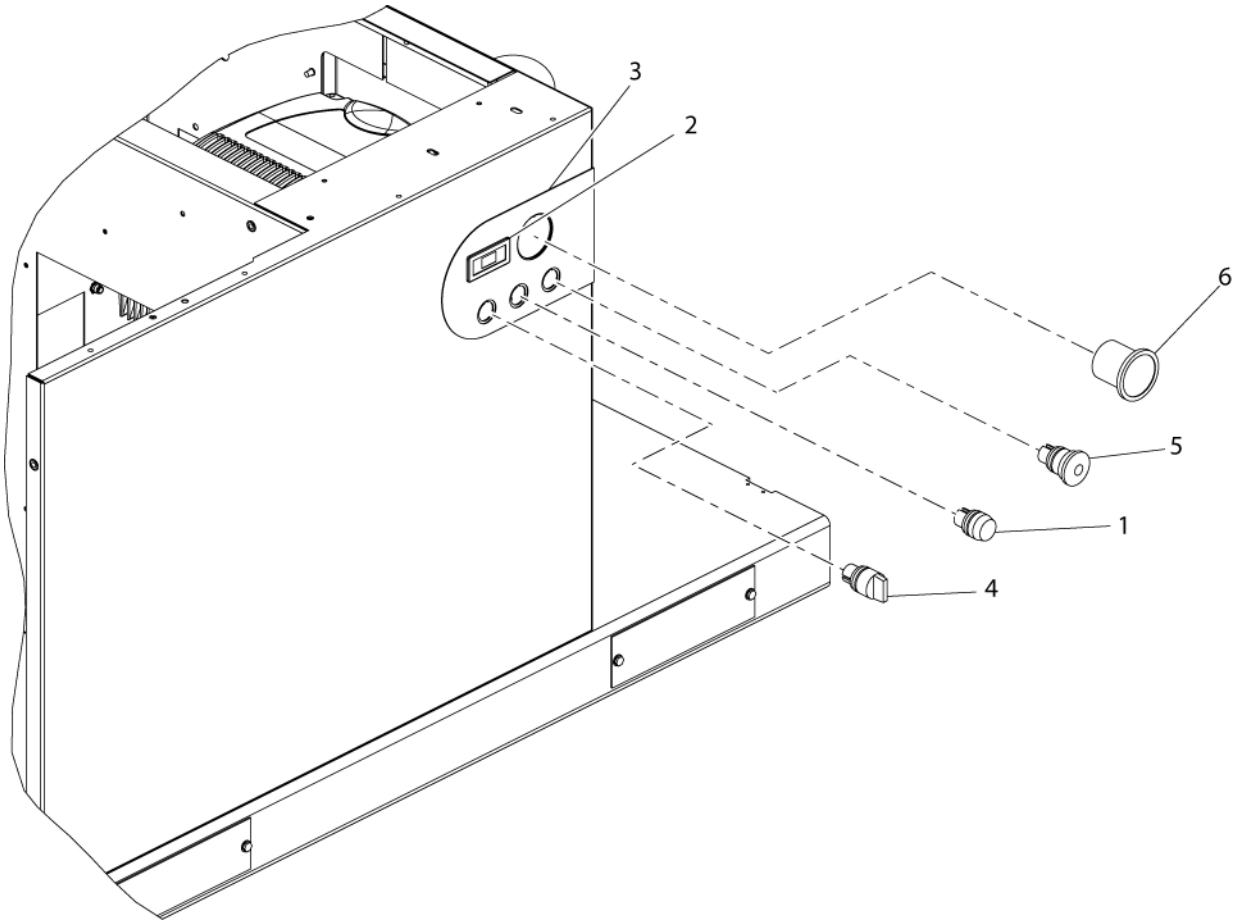
(Dwg. 22562714R2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22275879	SWITCH, HIGH AIR TEMP. (228 DEG. F)	1
2	39404165	O-RING, ID 0.644 WIDTH 0.087	1

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Control Panel Components



(Dwg. 22562714R3)

PARTS LIST

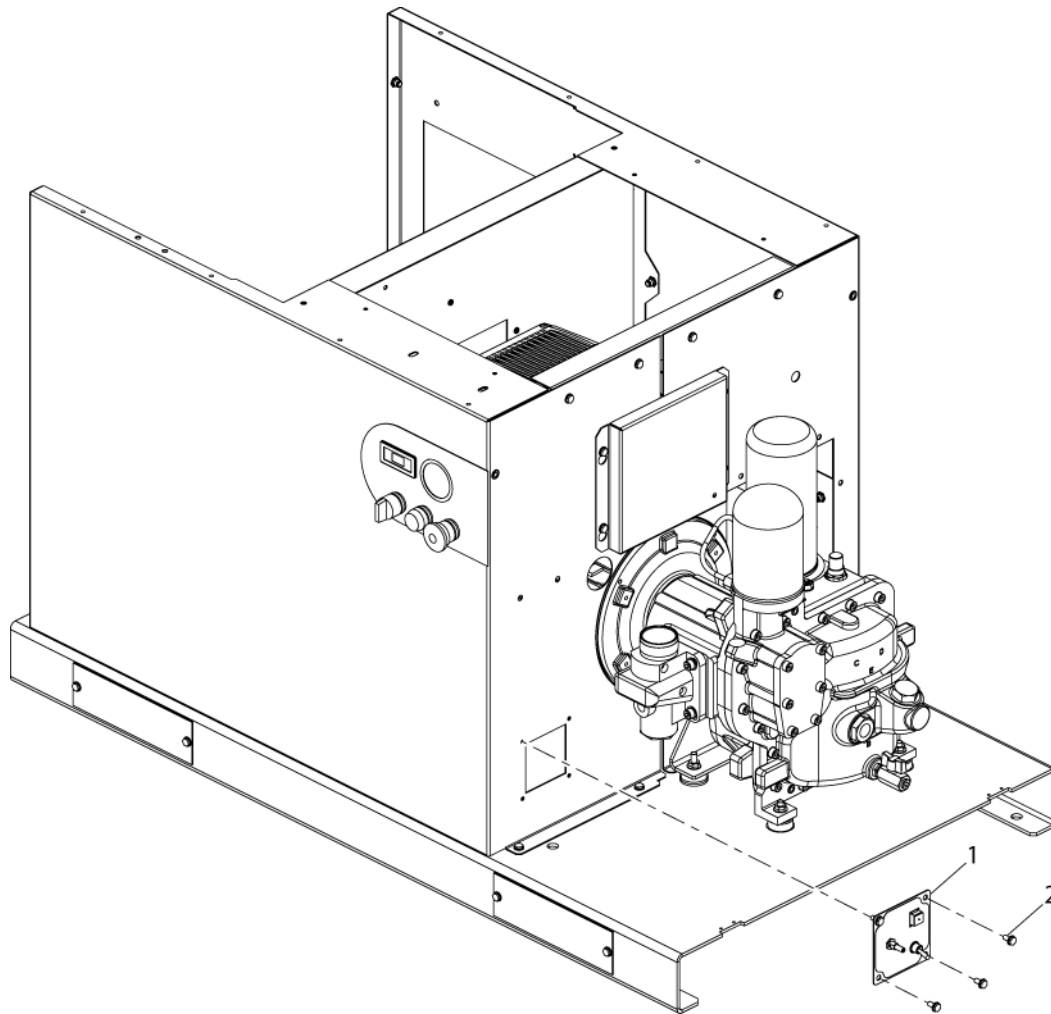
Item	Part No.	Description	Qty.
1	22358501	ASSEMBLY, GREEN LIGHT INDICATOR	1
2	22454540	THERMOMETER, REMOTE DIAL	1
3	22539431	DECAL, FACIA, NON-DRYER PKGS	1
	22539332	DECAL, FACIA, DRYER PKGS	1
4	22546725	ASSEMBLY, 2 POSITION SELECTOR SWITCH	1
5	22613889	ASSEMBLY, EMERGENCY STOP PUSH BUTTON	1
6	23361199	INDICATOR, MAINTENANCE PRESSURE - 2000 HOUR	1

NOTE:

1. THERMOMETER 22454550 IS REQUIRED FOR DRYER PACKAGES ONLY.

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Motor Drive Controls Subassembly



(Dwg. 22562714R4)

PARTS LIST

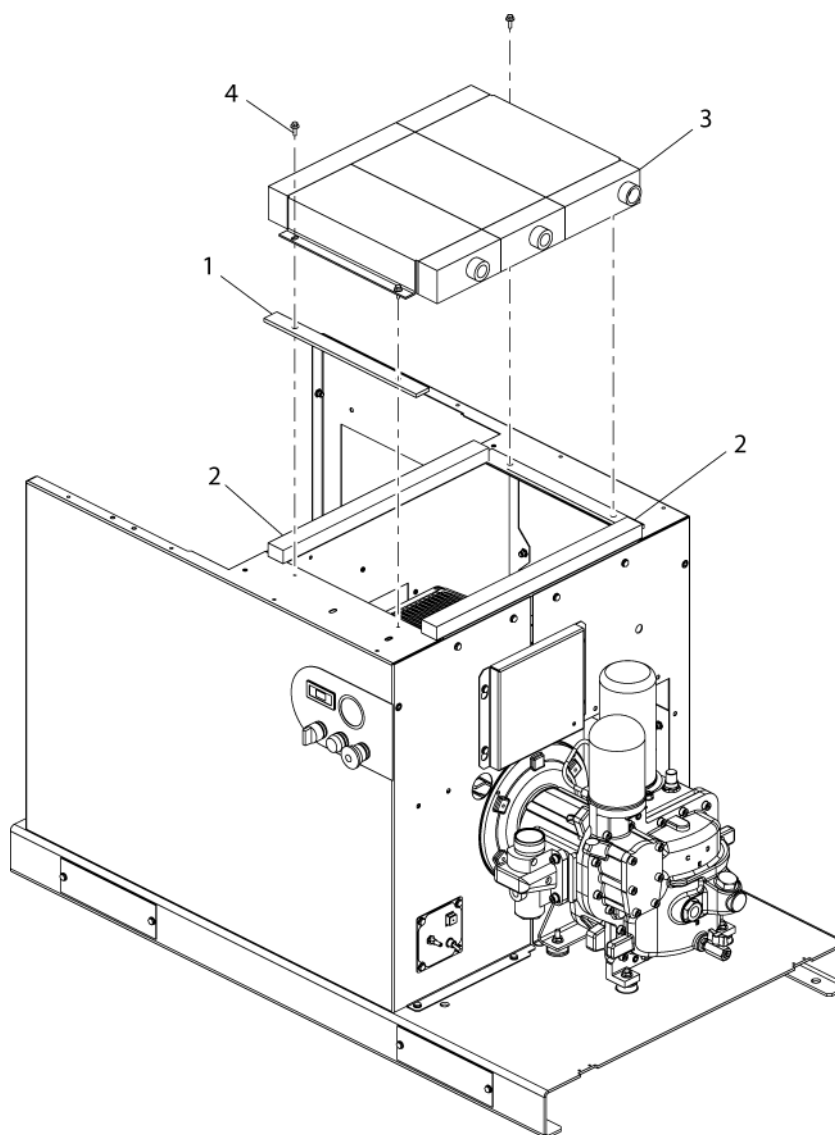
Item	Part No.	Description	Qty.
1	22380042	ASSY., DRIVE CONTROL PANEL (10/15 hp, NON-DRYER MODELS)	1
	22556153	ASSY., DRIVE CONTROL PANEL (10/15 hp, DRYER MODELS)	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	4

NOTE:

RESISTOR ASSEMBLY #22552954 (INCLUDED IN DRIVE CONTROL PANEL SUBASSEMBLY #22556153) IS TO BE PERMANENTLY ATTACHED TO THE MAIN WIRING HARNESS. THE WIRE IN THE MAIN HARNESS LABELED "POT C" IS TO HAVE THE CONNECTOR CUT OFF AND THE END IS TO BE STRIPPED AND BUTT-SPLICED TO THE RESISTOR ASSEMBLY.

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Cooler to Enclosure



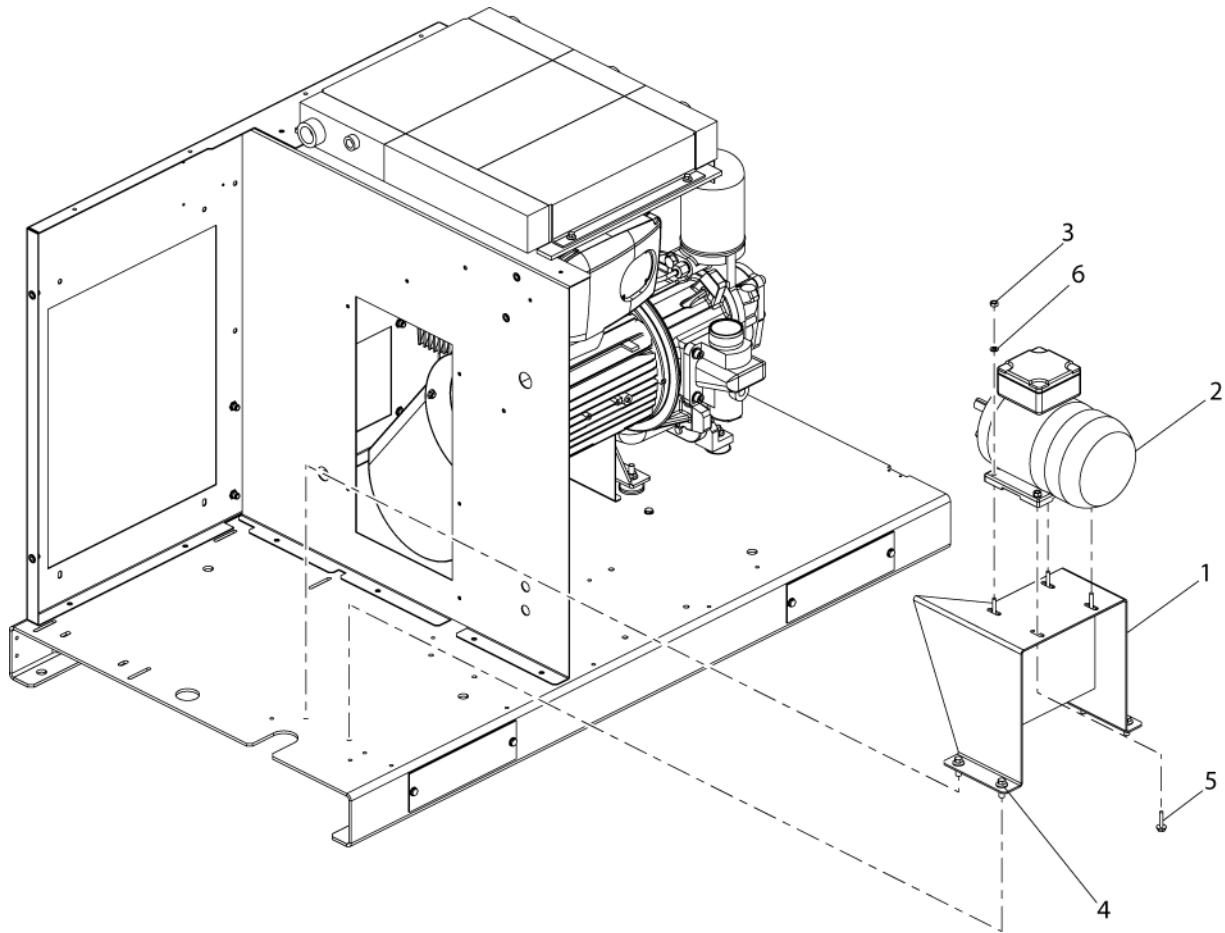
(Dwg. 22562714R5)

PARTS LIST

Item	Part No.	Description	Qty.
1	22377857	PAD, COOLER ISOLATOR	2
2	22382204	FOAM, COOLER SEALING	2
3	22517767	COOLER, COMBINATION (AIR/OIL)	1
4	39917489	SCREW, HEX HEAD FLANGE M6 x 16.0 LONG	4

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Motor and Mounting Support to Base



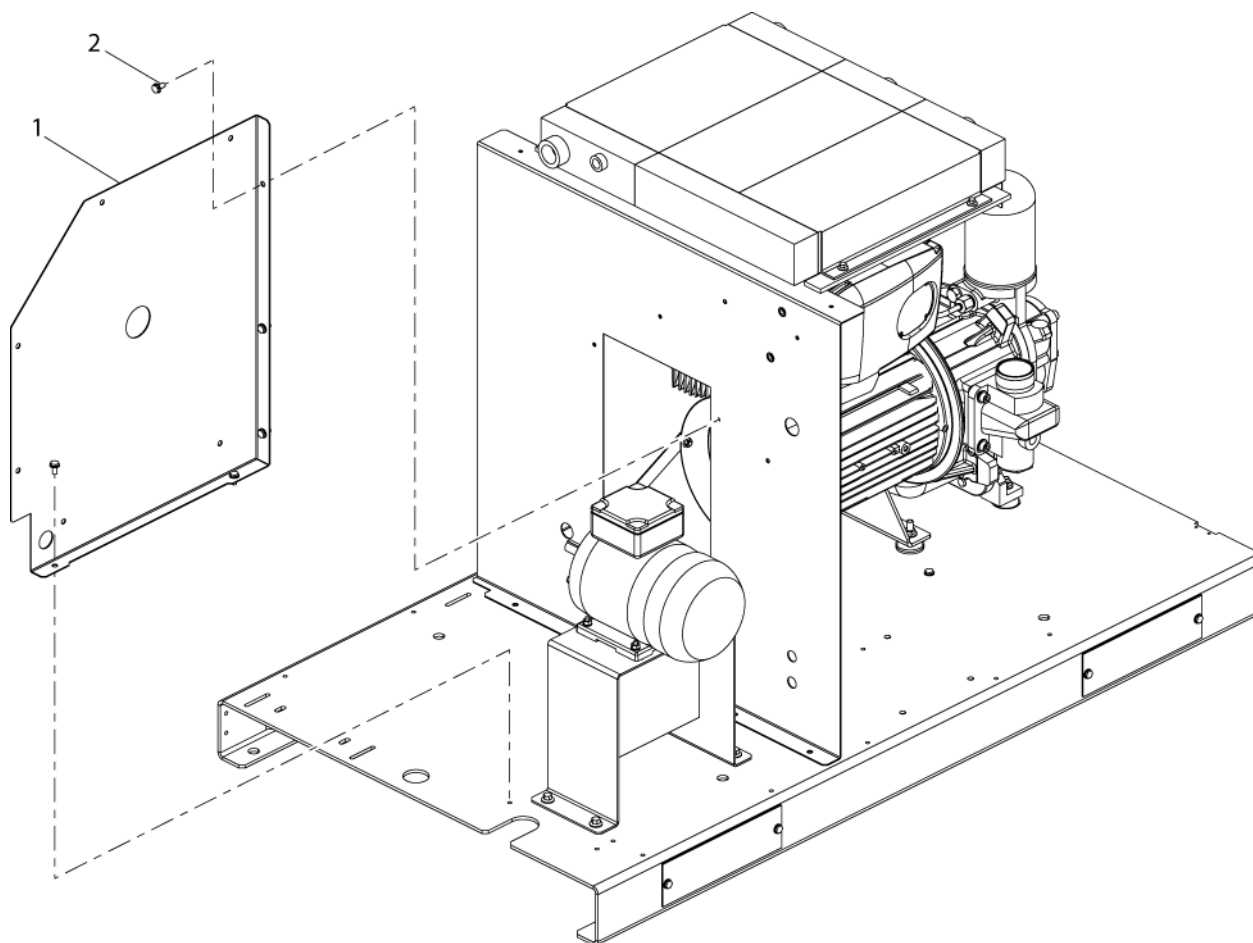
(Dwg. 22562714R6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22354047	SUPPORT, BLOWER MOTOR	1
2	23940299	MOTOR, 0.5 hp, 3PH, (50/60 Hz H.V. AND 50 Hz L.V.)	1
	23940307	MOTOR, 0.5 hp, 3PH, 60 Hz L.V.	1
3	96704234	NUT, HEX STYLE 1 COARSE THD M6-1.00	4
4	96704408	SCREW, HEX HEAD FLANGE M8 x 20.0 LONG	4
5	96714340	SCREW, HEX HEAD FLANGE M6 x 25.0 LONG	4
6	96727573	WASHER, SPRING LOCK, CURVED TYPE A, M6	4

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Shroud Front Piece



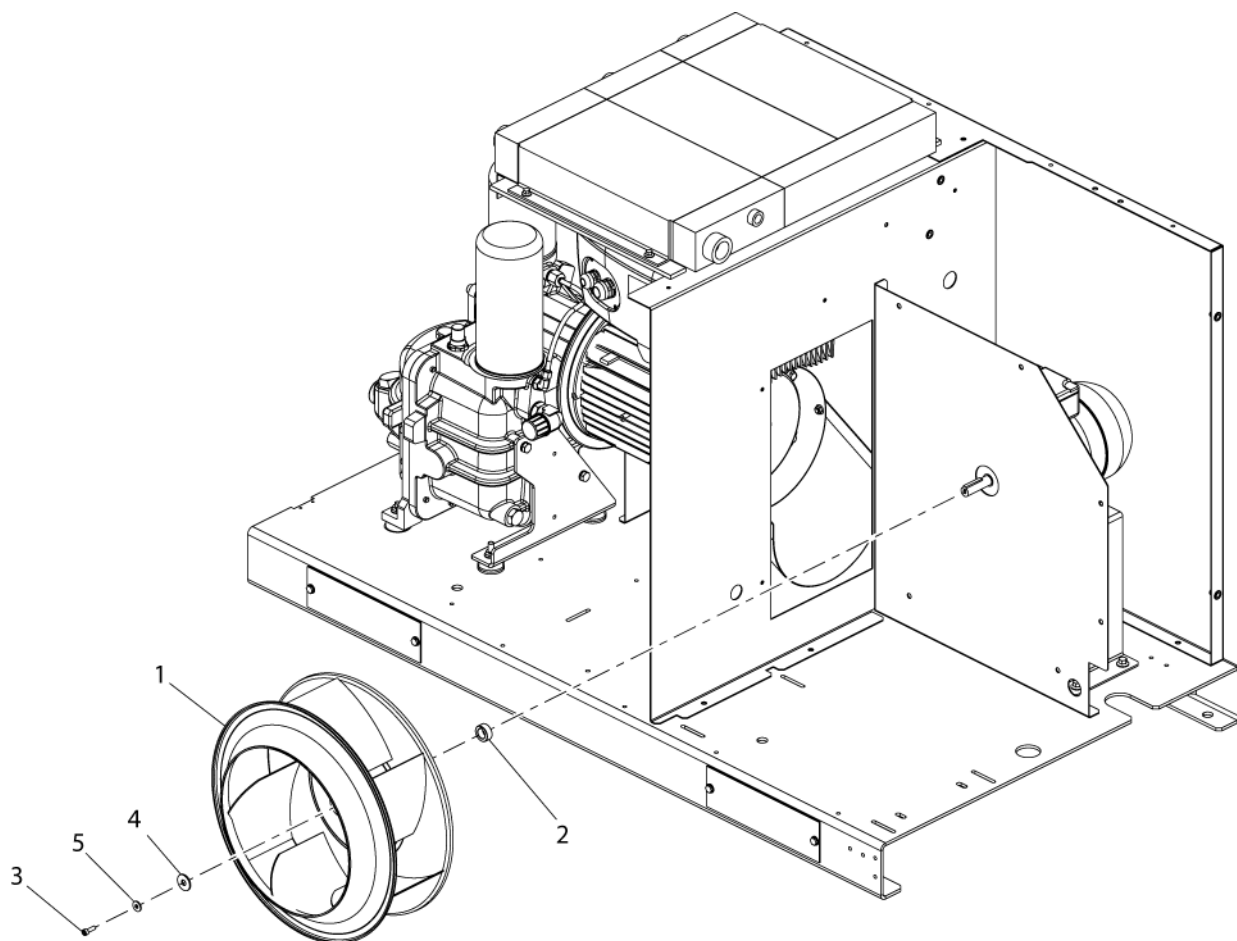
(Dwg. 22562714R7)

PARTS LIST

Item	Part No.	Description	Qty.
1	22489058	SHROUD, BLOWER (FRONT PIECE)	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	5

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower to Motor



(Dwg. 22562714R8)

PARTS LIST

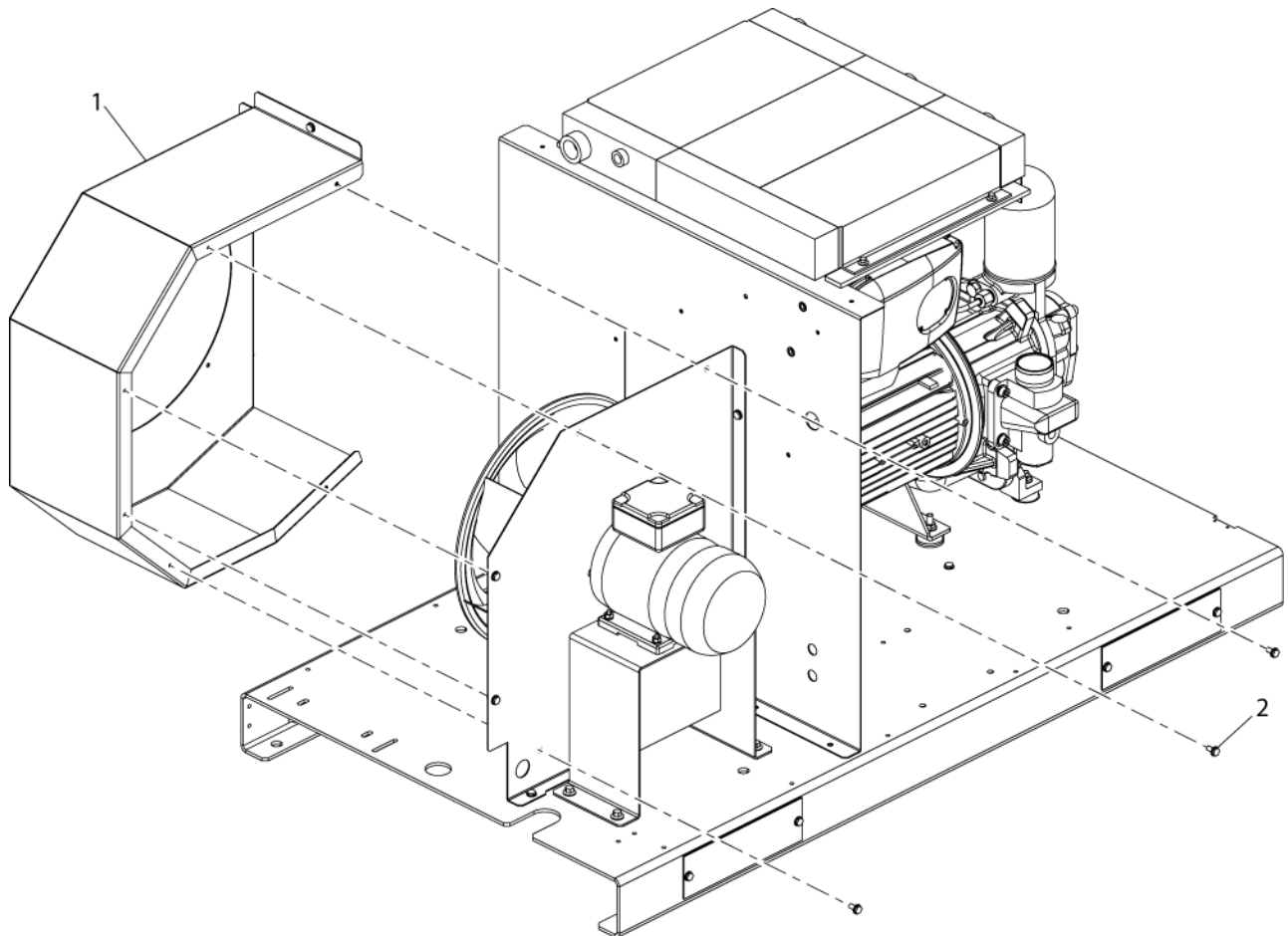
Item	Part No.	Description	Qty.
1	22482210	BLOWER, 355 DIA. x 100	1
2	22528061	SPACER, BLOWER MTG.	1
3	96729033	CAPSCREW, M5 x 16 HEX SOCKET HD.	1
4	96740287	WASHER, M8 PLAIN TYPE B 24.0 O.D. x 2.0 THK.	1
5	96742788	WASHER, M5 PLAIN GRADE C	1

NOTE:

LOCTITE #242 OR EQUIVALENT IS TO BE ADDED TO BLOWER MOUNTING SCREW #96740980. LOCTITE IS ALSO TO BE ADDED TO THE GRUBSCREW INCLUDED WITH THE BLOWER AND TIGHTENED LIGHTLY.

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Shroud Back Piece



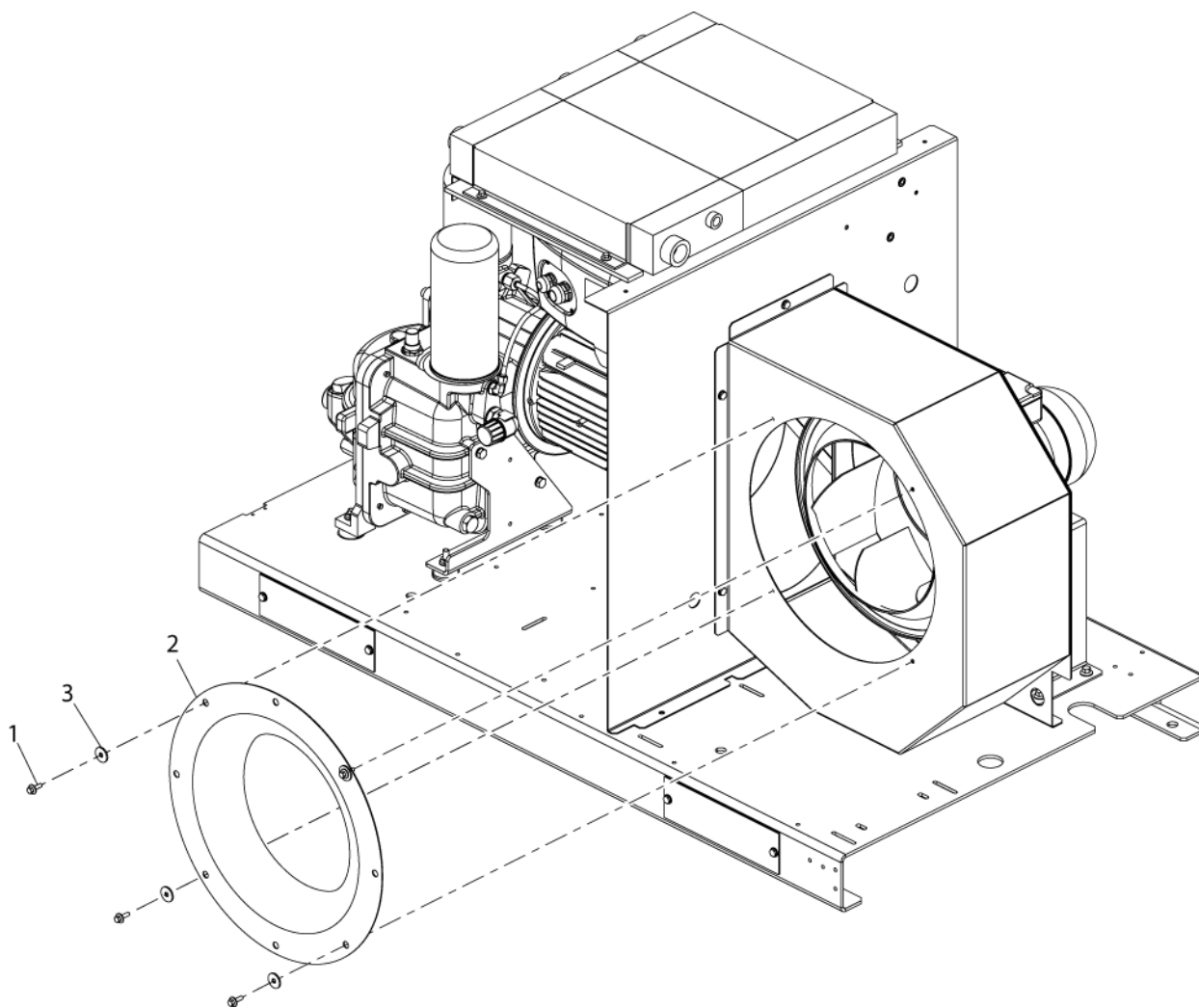
(Dwg. 22562714R9)

PARTS LIST

Item	Part No.	Description	Qty.
1	22489066	SHROUD, BLOWER	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	9

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Inlet Cone



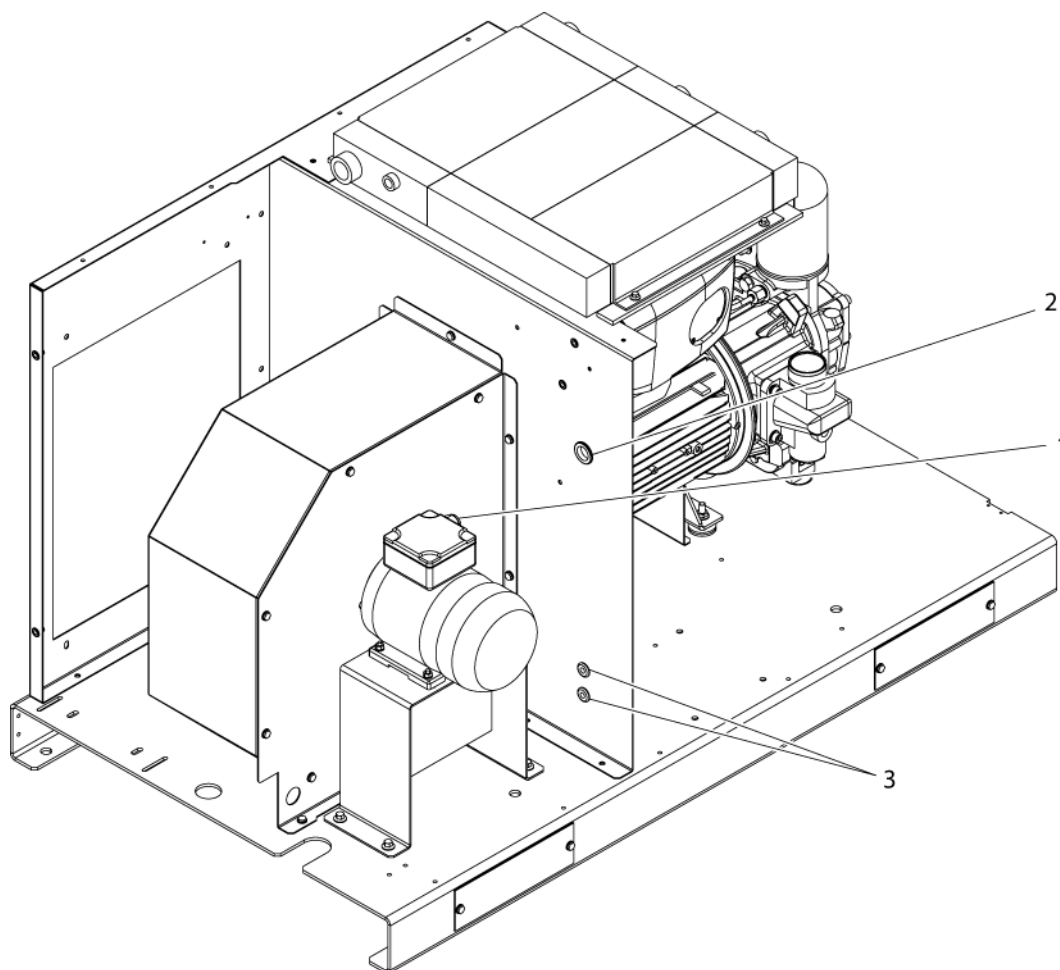
(Dwg. 22562714R10)

PARTS LIST

Item	Part No.	Description	Qty.
1	39917489	SCREW, HEX HEAD FLANGE M6 x 16.0 LONG	4
2	54747423	CONE, INLET BLOWER 60 Hz	1
3	96745559	WASHER, LARGE OUTSIDE DIAMETER PRODUCT GRADE C M6	4

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Motor Cable Gland and Wiring Grommets



(Dwg. 22562714R11)

PARTS LIST

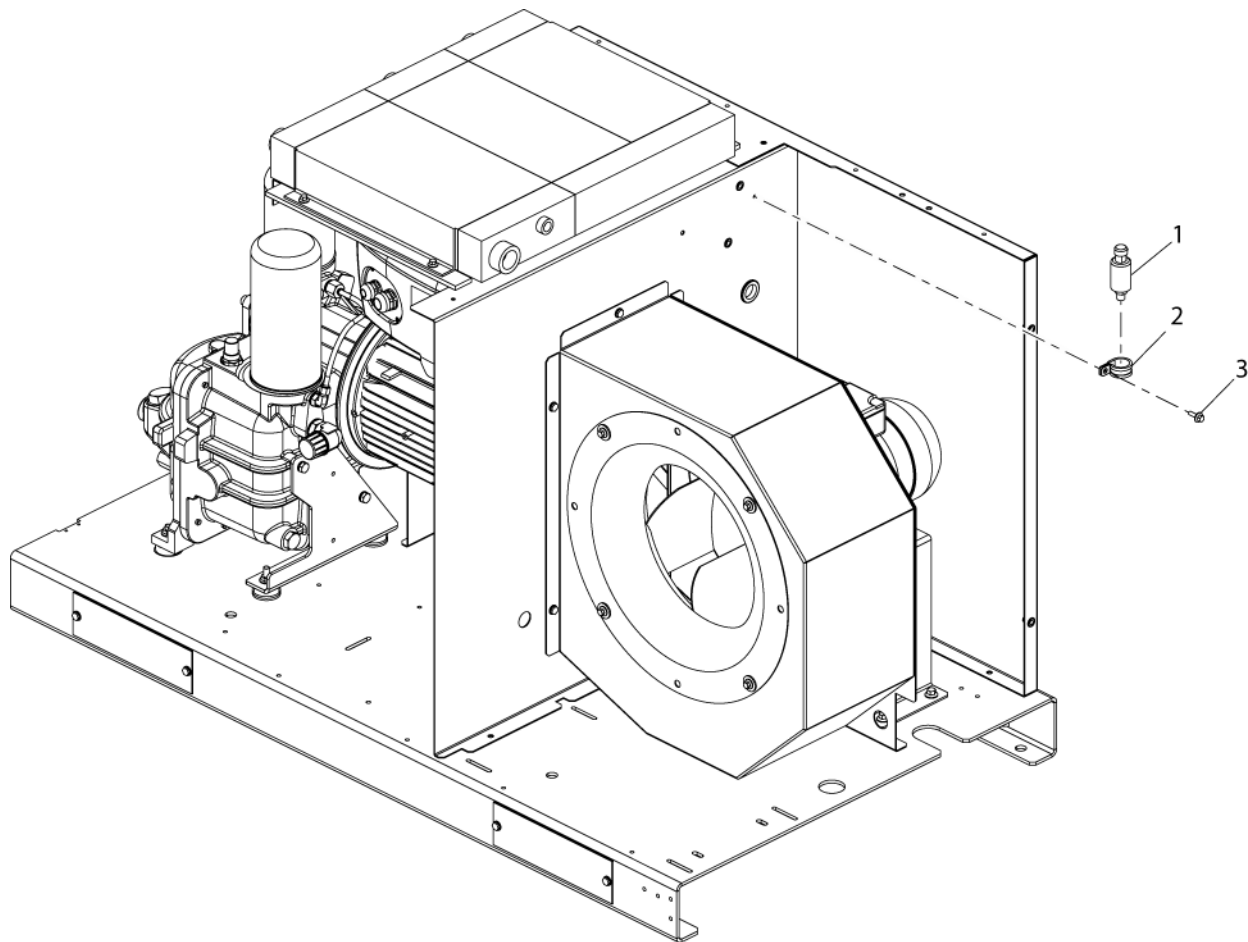
Item	Part No.	Description	Qty.
1	22245666	GLAND, CABLE	1
2	22390132	GROMMET, INSULATION 0.812" I.D. x 1.25" O.D.	1
3	85583367	GROMMET, INSULATION 0.3125" I.D.	2

NOTE:

FOR NON-DRYER PACKAGES, THE INDICATED GROMMET IS TO BE REPLACED WITH PLUG #54382023. PLUG IS TO BE ASSEMBLED FROM THE SIDE OPPOSITE OF WHAT IS SHOWN IN THIS VIEW.

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Transducer to Divider Panel



(Dwg. 22562714R12)

PARTS LIST

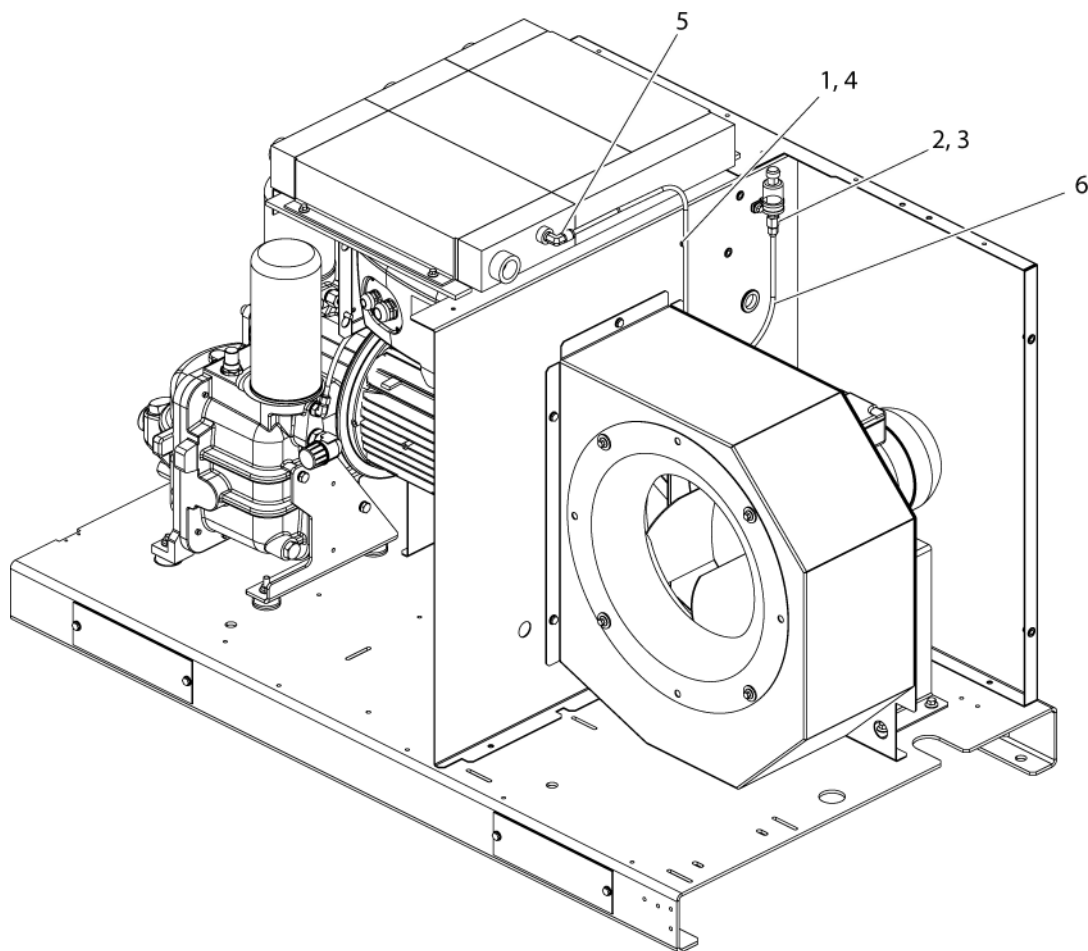
Item	Part No.	Description	Qty.
1	22359632	TRANSDUCER, PRESSURE 16 BAR, 4-20 mA	1
2	22410674	CLAMP, INSULATED (FOR 1" O.D.)	1
3	39917489	SCREW, HEX HEAD FLANGE M6 x 16.0 LONG ZINC	1

NOTE:

ALIGN BOTTOM SURFACE OF PRESSURE TRANSDUCER BODY TO THE BOTTOM EDGE OF THE CLAMP.

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube from Cooler to Pressure Transducer (for Non-Dryer Packages only)



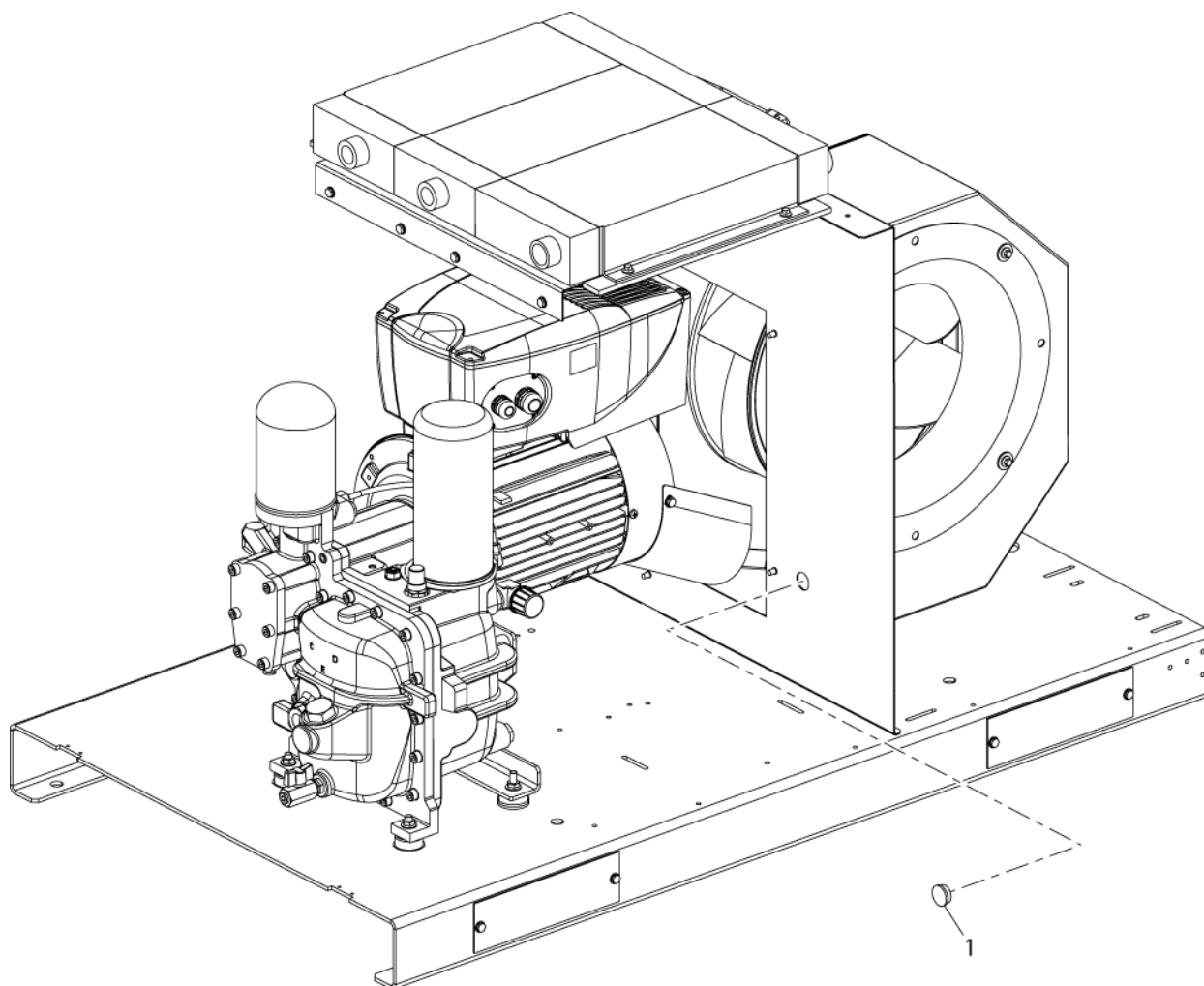
(Dwg. 22562714R13)

PARTS LIST

Item	Part No.	Description	Qty.
1	22052609	CABLE TIE BASE FIR TREE TYPE	2
2	22420046	CONNECTOR, METRU-LOK 6 mm TUBE x 1/8" FNPT	1
3	22770069	INSERT, 6 mm PLASTIC TUBE	1
4	35268788	CABLE TIE	2
5	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
6	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	2.7 FT.

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Plug to Divider Panel (for Non-Dryer Packages only)



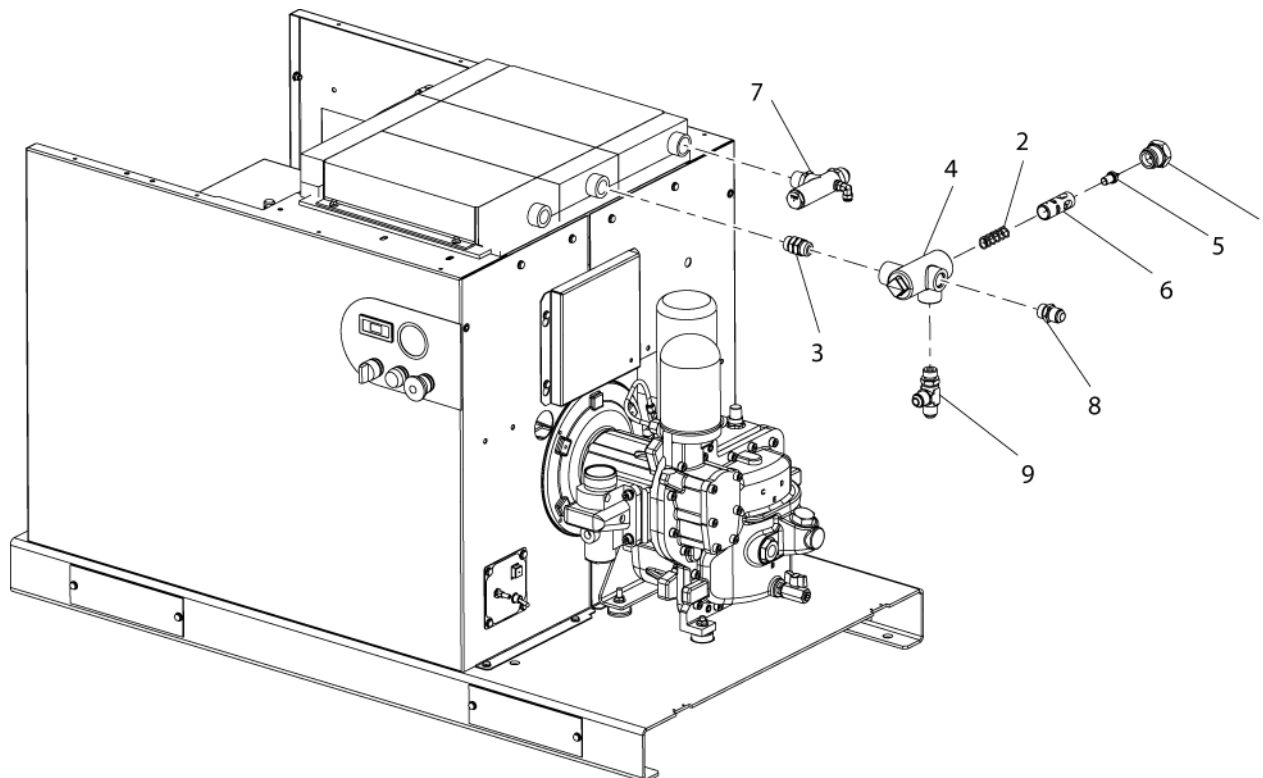
(Dwg. 22562714R14)

PARTS LIST

Item	Part No.	Description	Qty.
1	39130000	KNOCKOUT PLUG, 0.50" PLASTIC	1

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Thermal Valve Manifold & MPCV to Cooler



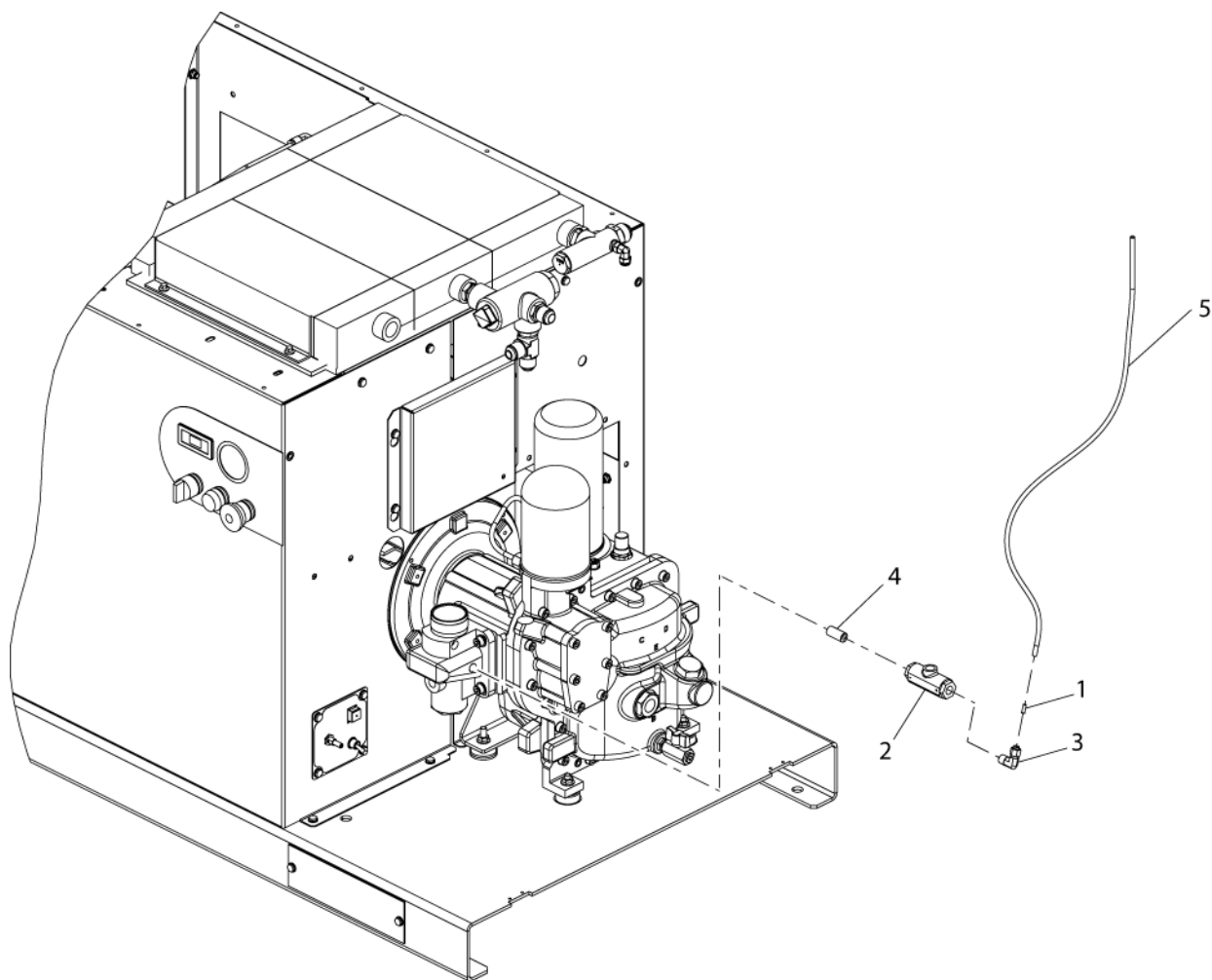
(Dwg. 22562714R15)

PARTS LIST

Item	Part No.	Description	Qty.
1	22186688	PLUG, THERMAL VALVE (1.3125 \" SAE)	1
2	22186696	SPRING, THERMAL VALVE	1
3	22305965	UNION, 0.875-14 SAE STR. THD. (W/VITON O-RINGS)	1
4	22456214	MANIFOLD, THERMAL VALVE (MACHINED)	1
5	22463368	ACTUATOR, THERMAL 181°F	1
6	22856991	CAGE, THERMAL VALVE	1
7	23410814	VALVE, CHECK MINIMUM PRESSURE	1
8	96746052	CONNECTOR, 0.625 TUBE x 0.875 SAE	1
9	96746086	TEE, RUN 0.50 TUBE x TUBE x SAE	1

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Blowdown Valve to Inlet Valve



(Dwg. 22562714R16)

PARTS LIST

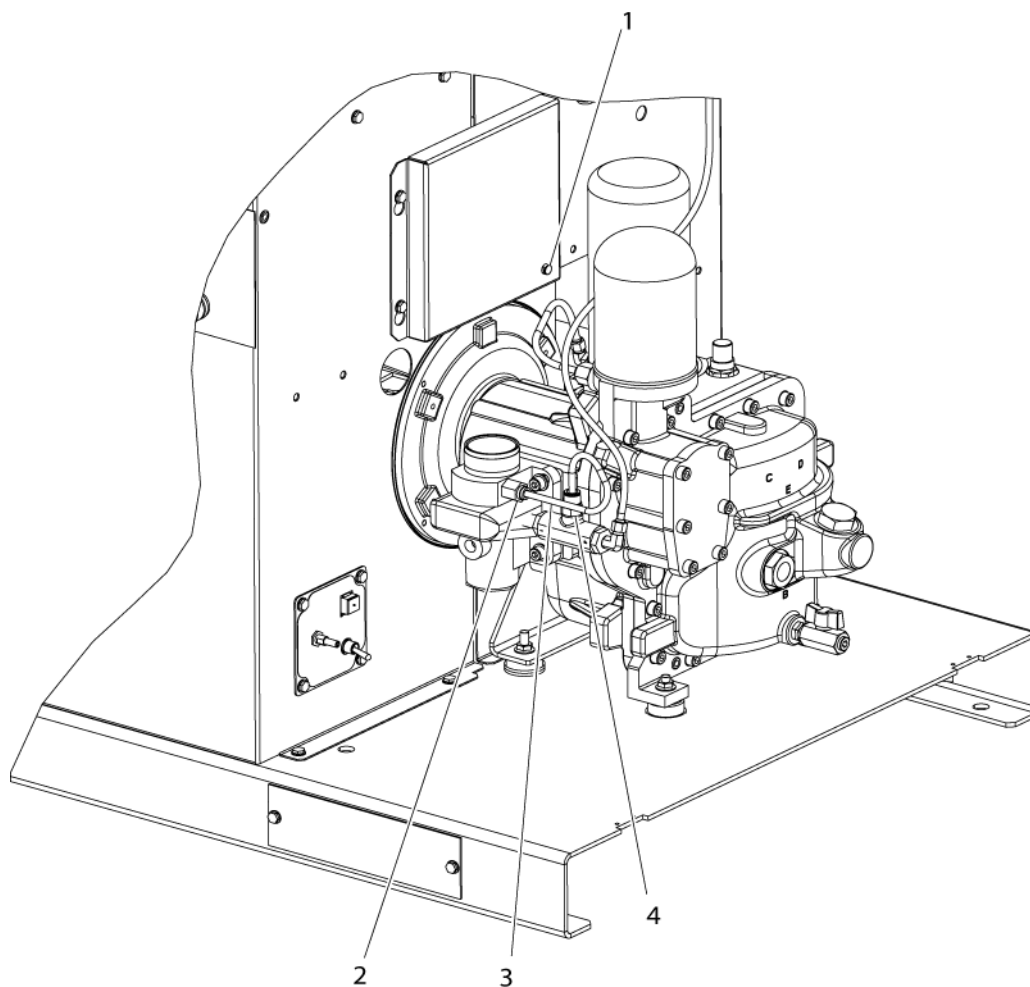
Item	Part No.	Description	Qty.
1	22770069	INSERT, 6 mm PLASTIC TUBE	1
2	23410798	VALVE, BLOW DOWN 1/4" BSPT	1
3	92067933	ELBOW, MALE METRU-LOK 6 mm TUBE x 1/4" BSPT	1
4	92354539	NIPPLE, CLOSE 0.25" BSPT x 1.06" LG.	1
5	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	3 FT.

NOTE:

**ORIENTATION OF BLOWDOWN VALVE TO BE AS FOLLOWS:
THE END MARKED "P" IS TO POINT TOWARD THE INLET VALVE; AND THE PORT INTERSECTING THE
BLOWDOWN VALVE BODY IS TO BE POINTED STRAIGHT UP.**

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Blowdown Valve Vent Tube



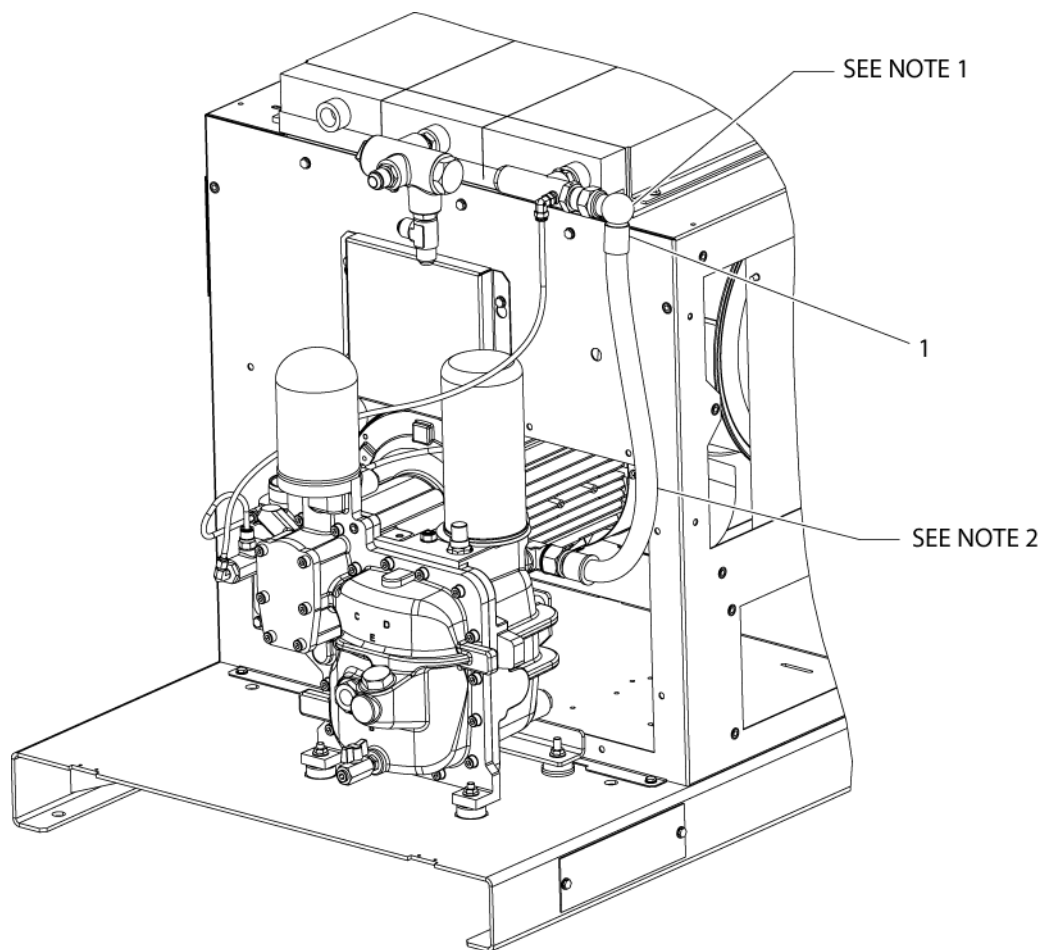
(Dwg. 22562714R17)

PARTS LIST

Item	Part No.	Description	Qty.
1	22052609	CABLE TIE BASE FIR TREE TYPE	1
2	22601926	CONNECTOR, ORIFICE (W/DIVERTER)	1
3	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	0.8 FT.
4	92788959	ADAPTOR PUSH-IN 1/4" BSPT x 6 mm	1

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Discharge Hose Assembly



(Dwg. 22562714R18)

PARTS LIST

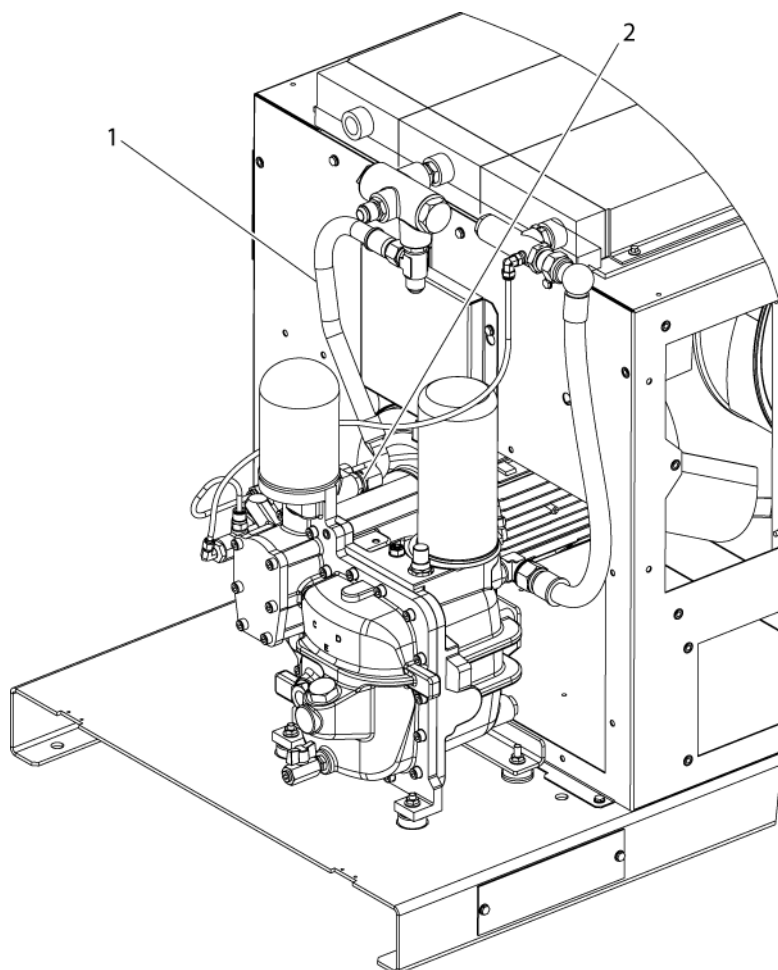
Item	Part No.	Description	Qty.
1	23057755	HOSE, HYD. 90 DEG x STR -12 x 23.5" LONG	1

NOTES:

1. ROTATE FITTING TO VERIFY HOSE IS NOT RUBBING SHEET METAL.
2. HOSE SHOULD HAVE APPROXIMATELY 6 MM CLEARANCE FROM SHEET METAL.

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Oil Return Hose



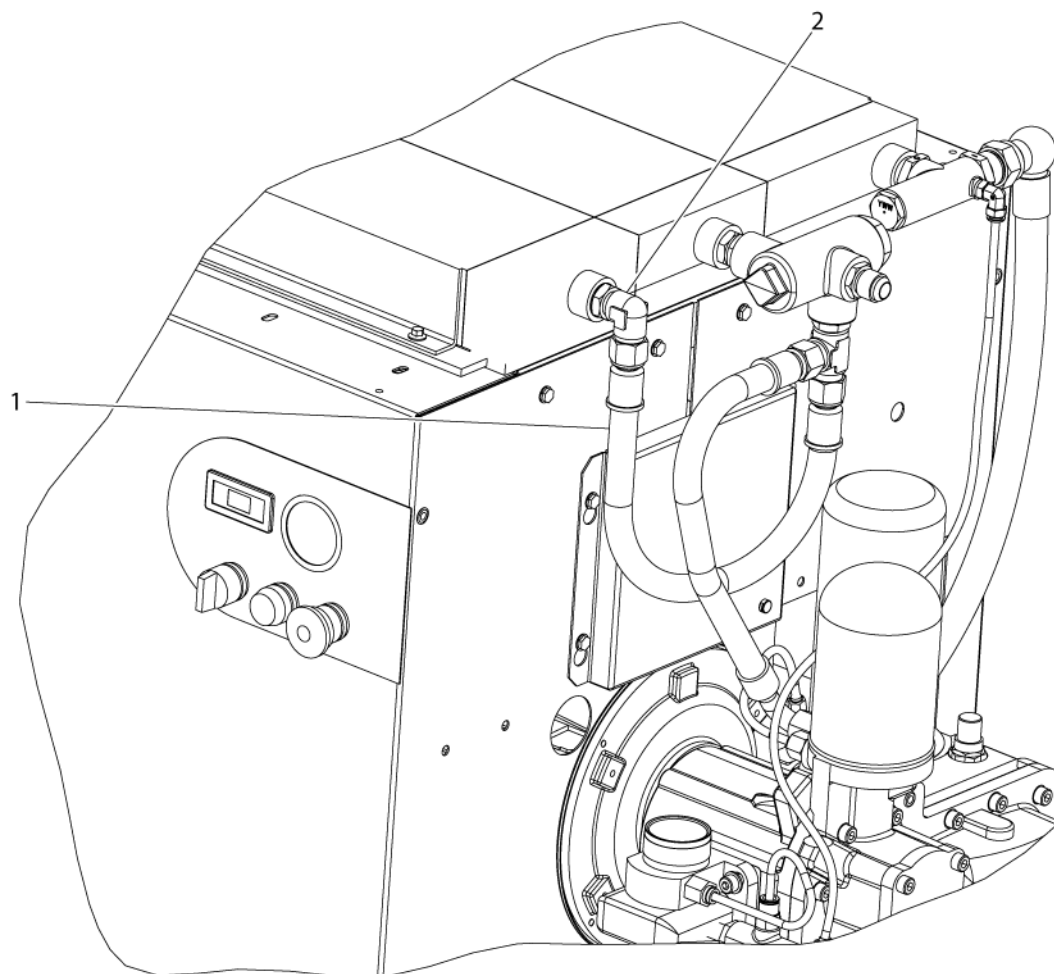
(Dwg. 22562714R19)

PARTS LIST

Item	Part No.	Description	Qty.
1	48662324	HOSE, HYD, STR x 90 DEG - 10 x 18" (457+/-3 mm), RUBBER	1
	24279168	HOSE, HYD, STR x 90 DEG - 10 x 18" (457+/-3 mm), PTFE	1
2	96746060	CONNECTOR, 0.50 TUBE x 0.56 SAE	1

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Oil Return Hose (from Cooler)



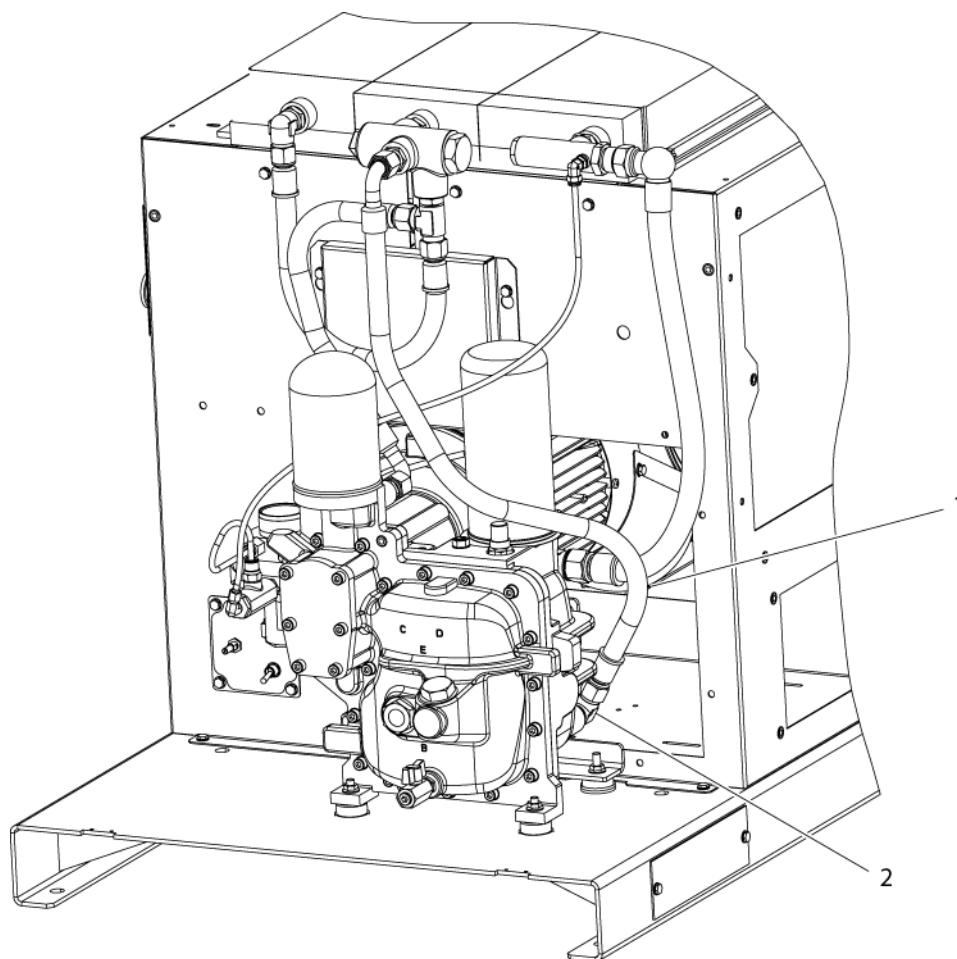
(Dwg. 22562714R20)

PARTS LIST

Item	Part No.	Description	Qty.
1	48662308	HOSE, HYD. STR x STR - 10 x 20" (495+/-3 mm), RUBBER	1
	24279143	HOSE, HYD. STR x STR - 10 x 20" (495+/-3 mm), PTFE	1
2	96746078	ELBOW, 0.625" TUBE x 0.875 SAE	1

COOLING SYSTEM/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend to Oil Cooler Hose



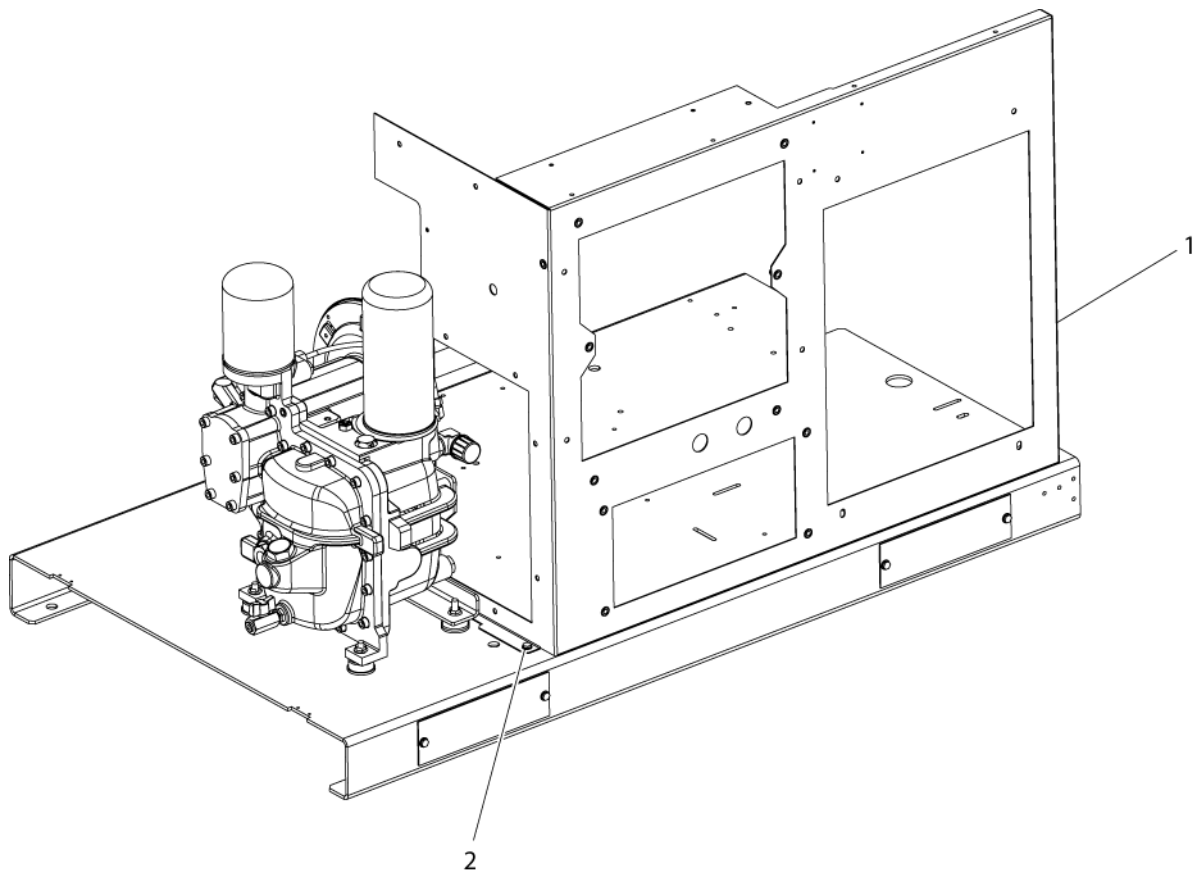
(Dwg. 22562714R21)

PARTS LIST

Item	Part No.	Description	Qty.
1	48662316	HOSE, HYD. STR x 90° - 10 x 32" (800+/-3 mm), RUBBER	1
	24279150	HOSE, HYD. STR x 90° - 10 x 32" (800+/-3 mm), PTFE	1
2	95992871	ELBOW, 0.63 TUBE x 0.75 SAE	1

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Back Panel to Base



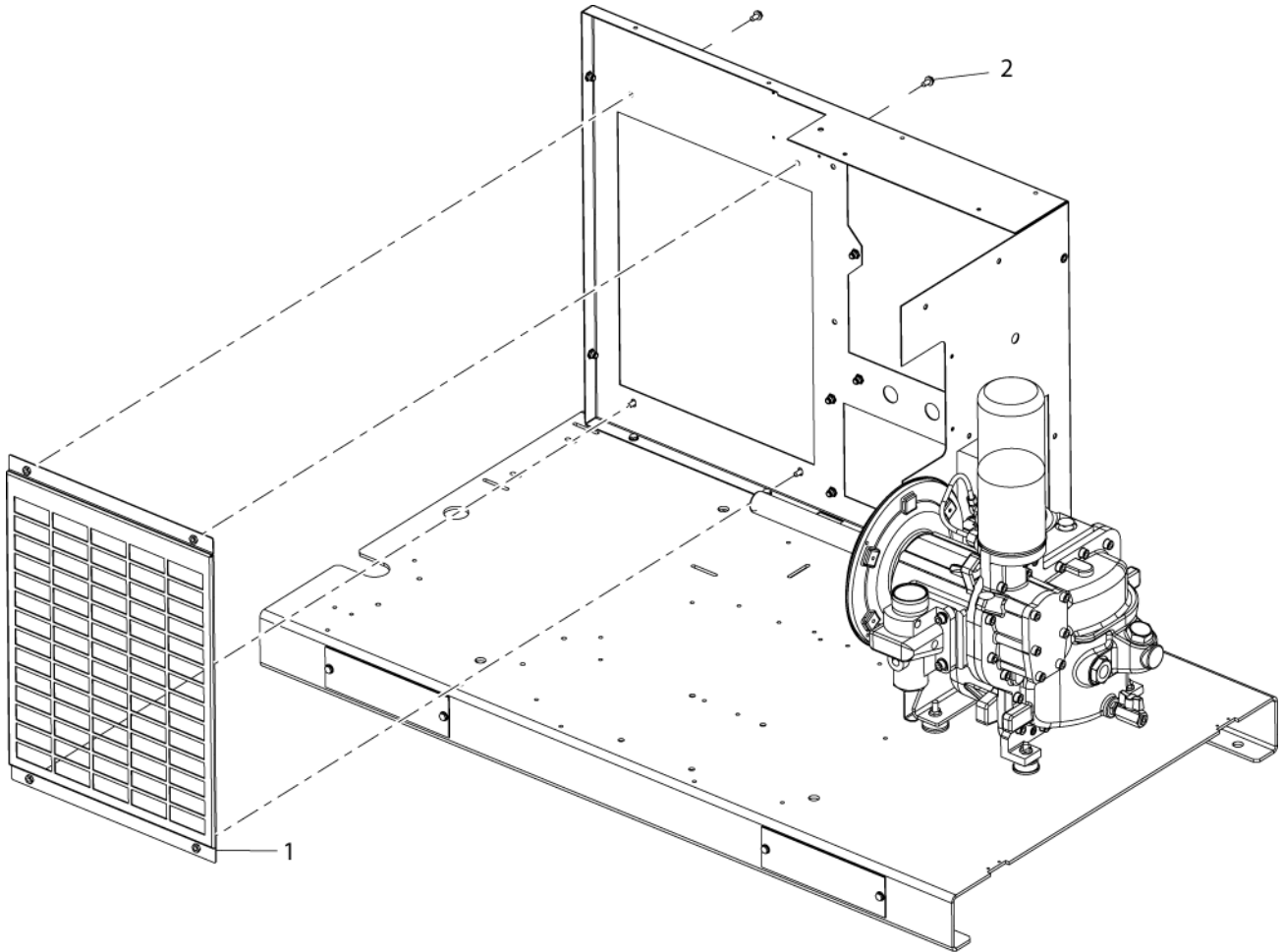
(Dwg. 22562722E2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22544381	ASSEMBLY, BACK PANEL (SHEET METAL/FOAM)	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	6

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Panel Filter Tray to Back Panel



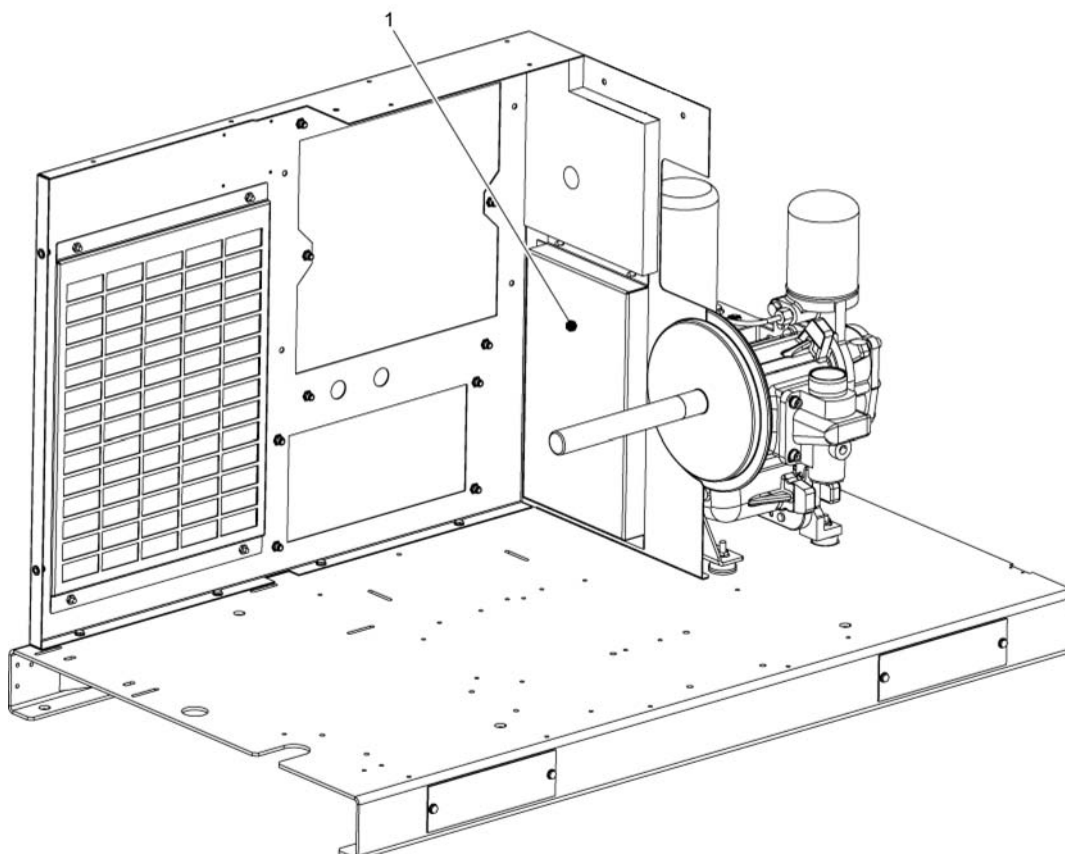
(Dwg. 22562722E3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22393177	TRAY, PKG. PRE-FILTER (ENCLOSURE)	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	4

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Internal Panel to Back Panel



(Dwg. 22562722E4)

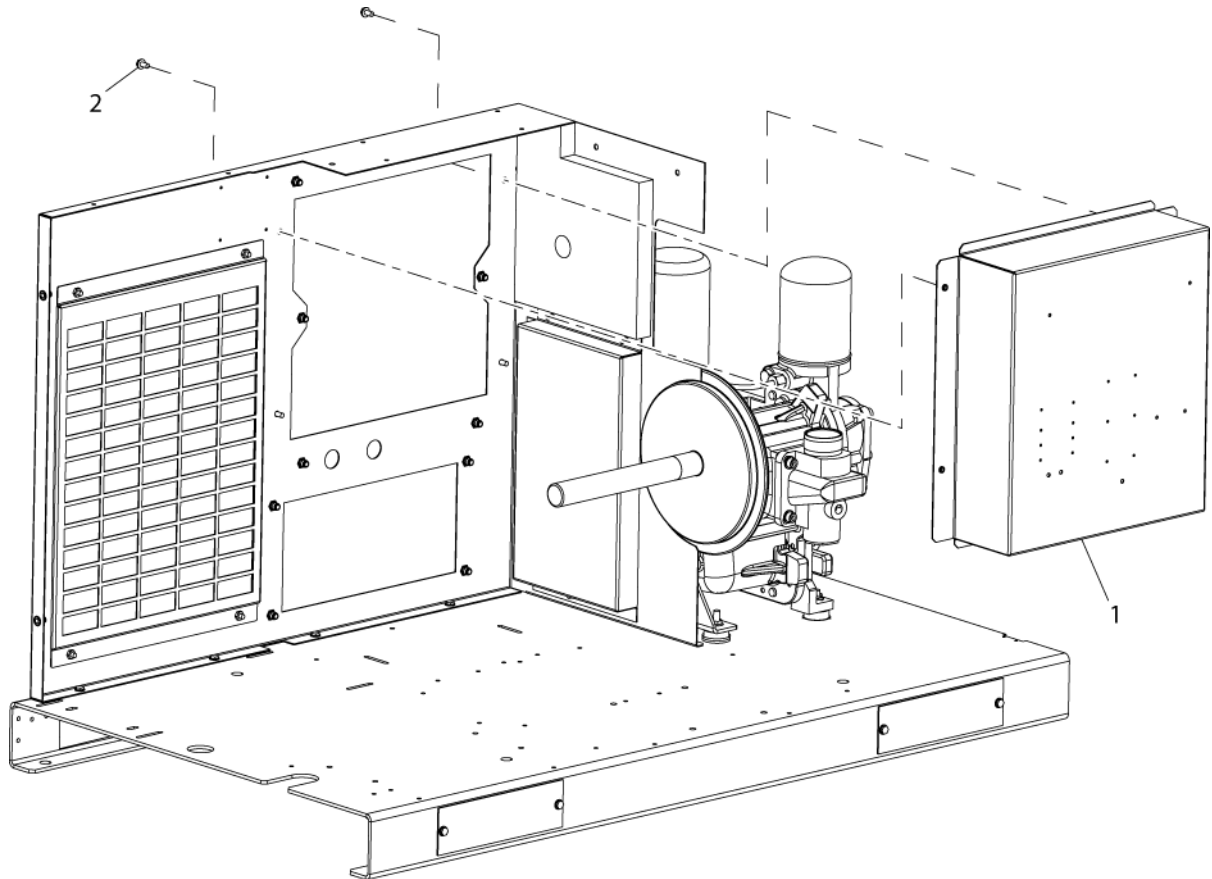
PARTS LIST

Item	Part No.	Description	Qty.
1	22867253	PANEL, ENCL. INTERNAL	1
2*	92368687	TAPTITE SCREW M6 x 1 x 12 LG	5

*	NOT ILLUSTRATED		
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ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Electrical Panel to Back Panel



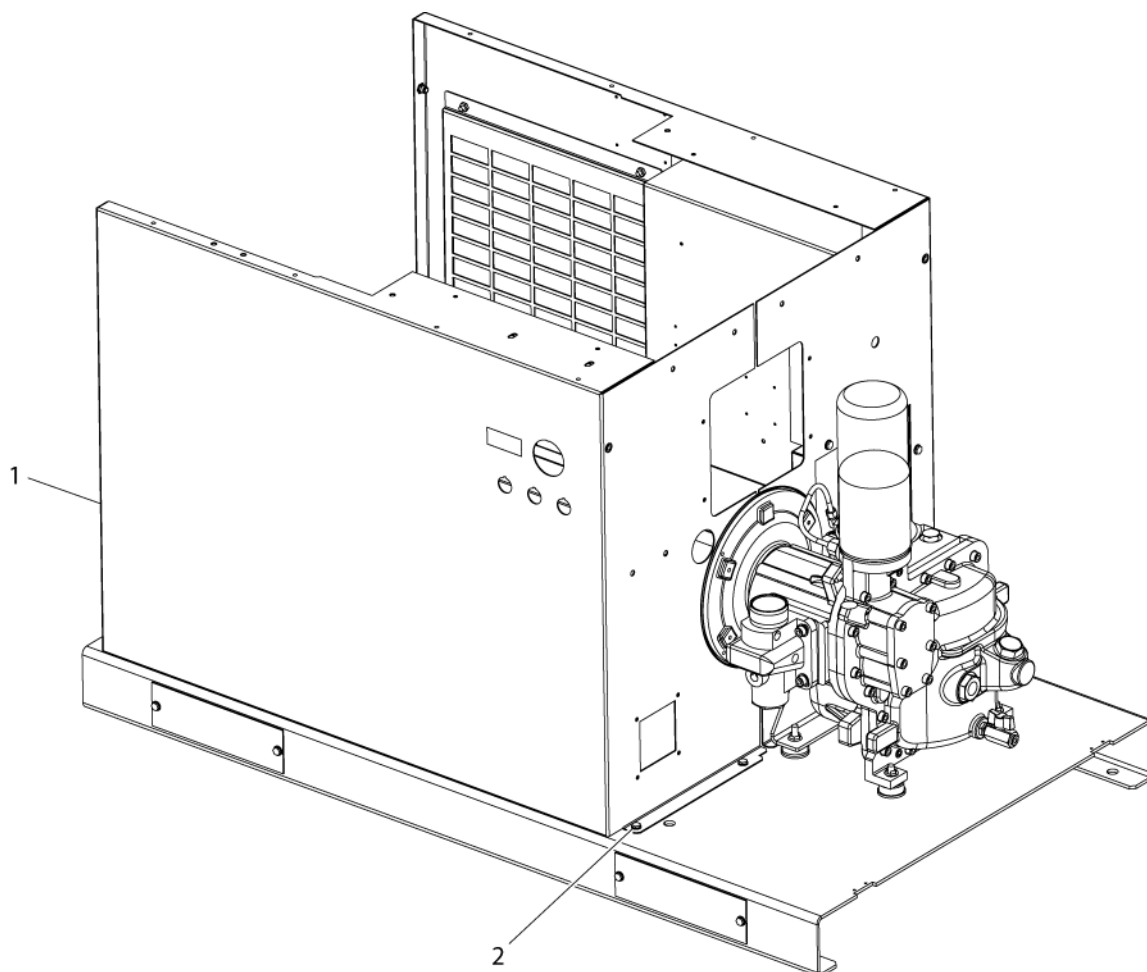
(Dwg. 22562722E5)

PARTS LIST

Item	Part No.	Description	Qty.
1	22867238	PANEL, ELECTRICAL	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	4

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Front Panel to Base



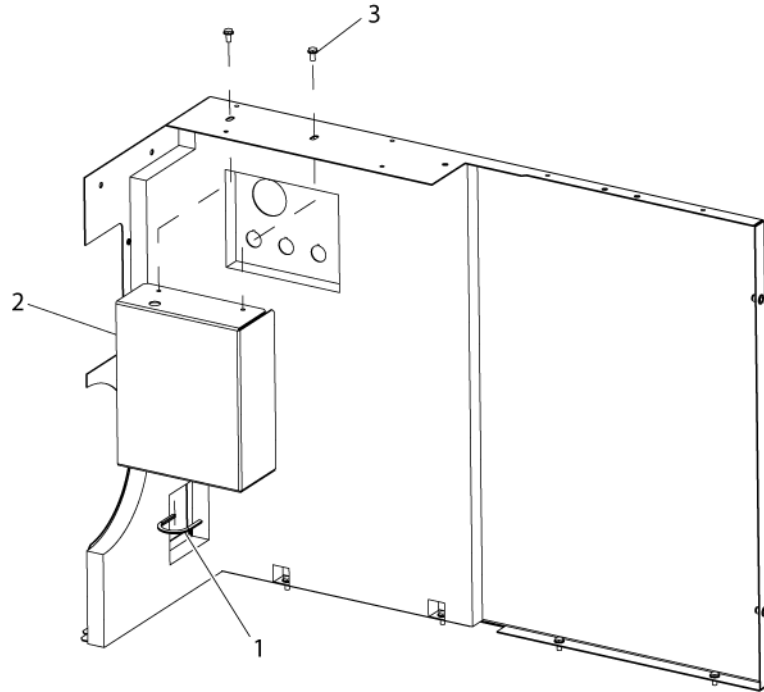
(Dwg. 22562722E6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22544357	ASSEMBLY, FRONT PANEL (SHEET METAL/FOAM)	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	6

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Controls Dust Cover to Front Panel



(Dwg. 22562722E8)

PARTS LIST

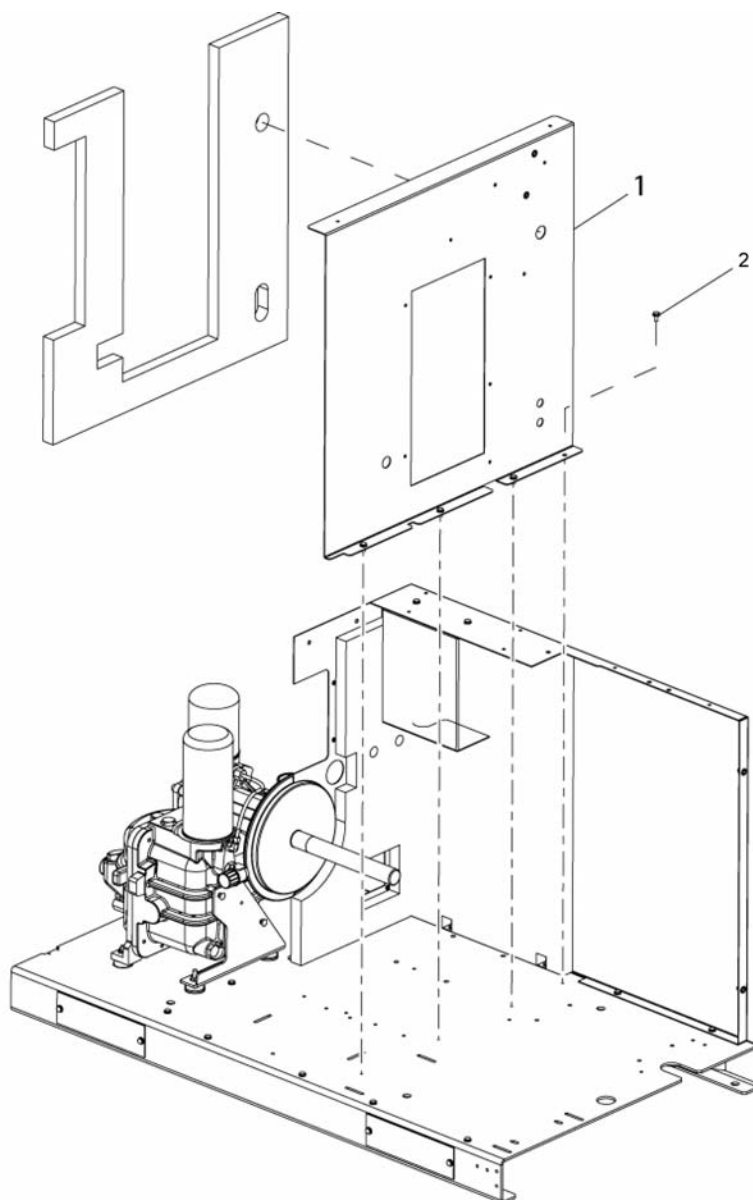
Item	Part No.	Description	Qty.
1	22398572	GROMMET, CONTINUOUS (120 mm LG.) 0.9-1.8 mm PANEL THICKNESS	1
2	22597652	COVER, CONTROLS	1
3	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2

NOTE:

CONTROLS MUST BE ASSEMBLED INTO FRONT PANEL BEFORE ADDING COVER (ITEM #2).

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Divider Panel to Base



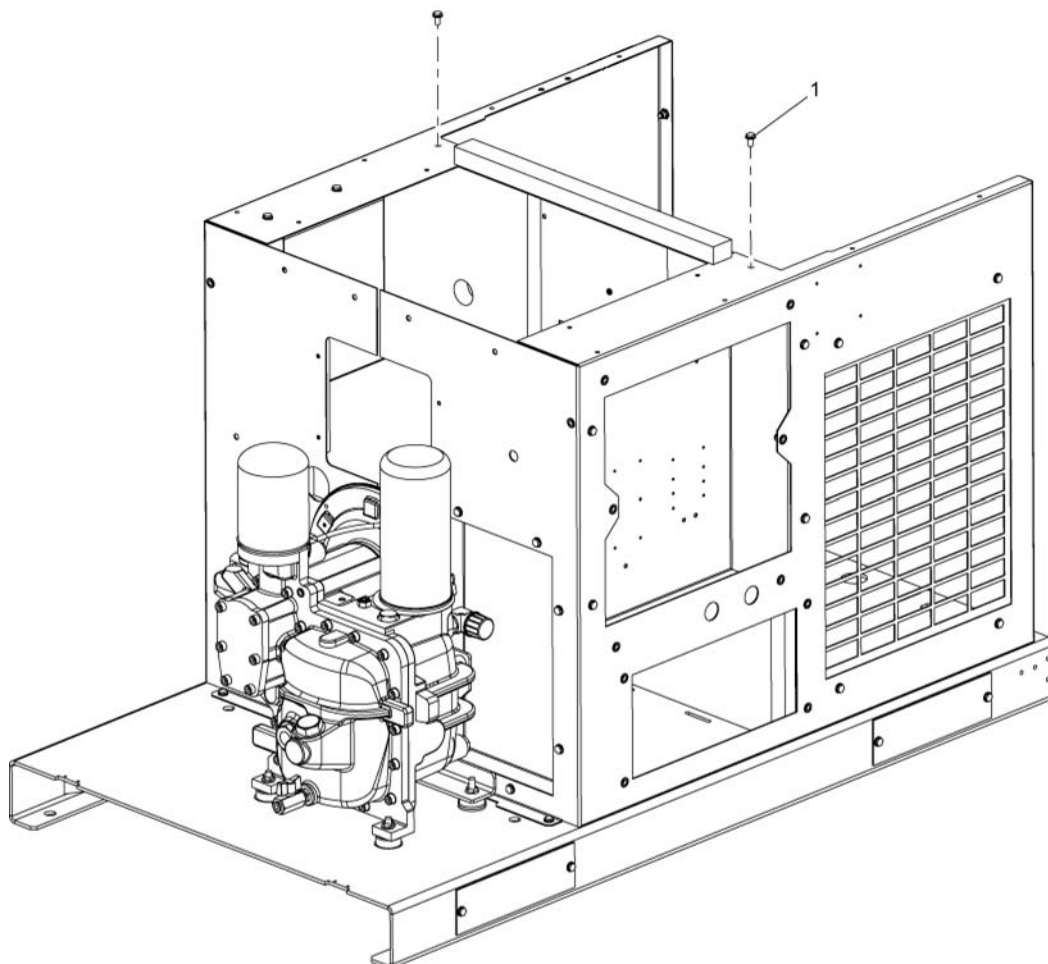
(Dwg. 22562722E9)

PARTS LIST

Item	Part No.	Description	Qty.
1	22544373	ASSEMBLY, DIVIDER PANEL (SHEET METAL/FOAM)	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	4

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Top Mounting Screws to Divider Panel



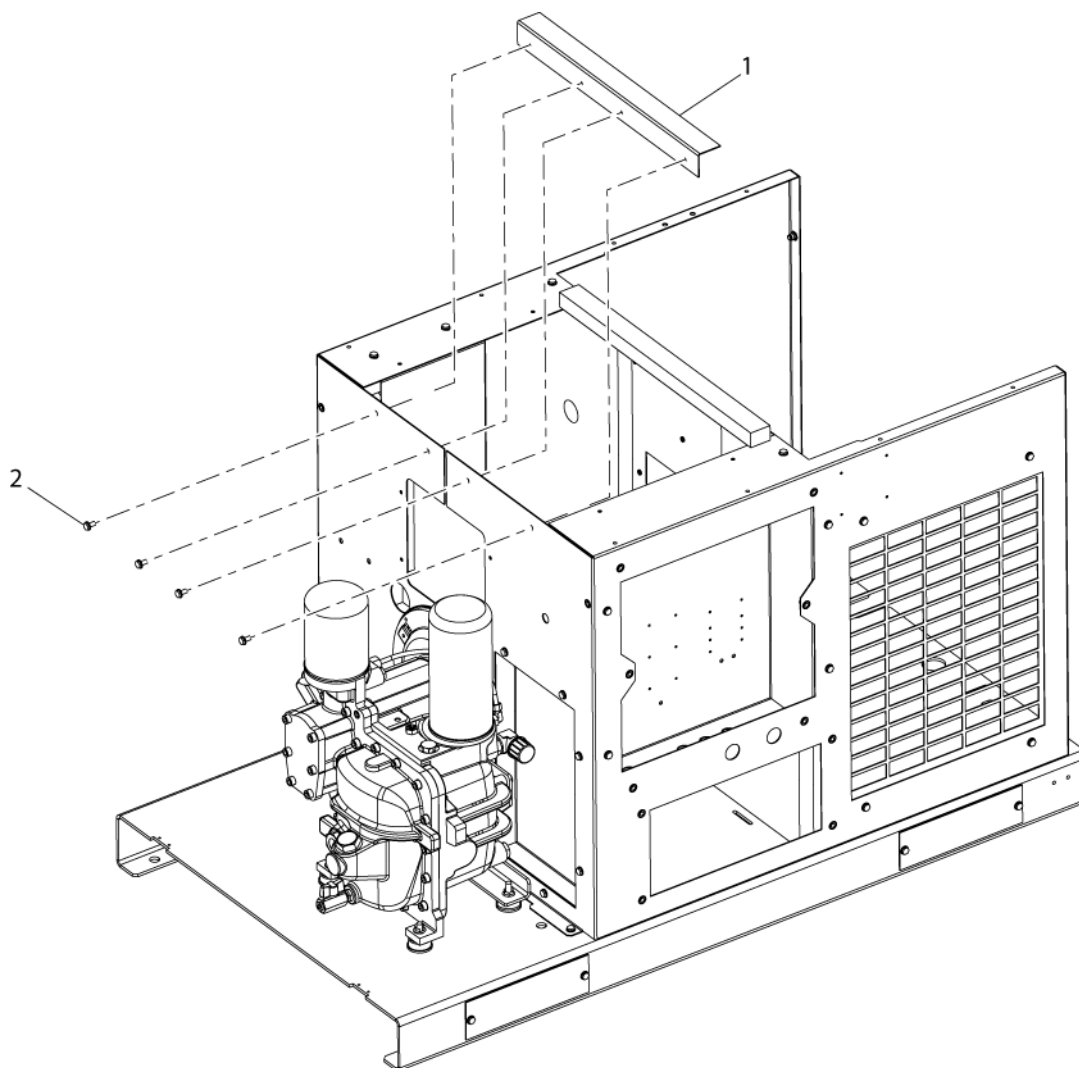
(Dwg. 22562722E10)

PARTS LIST

Item	Part No.	Description	Qty.
1	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Front Cooler Support



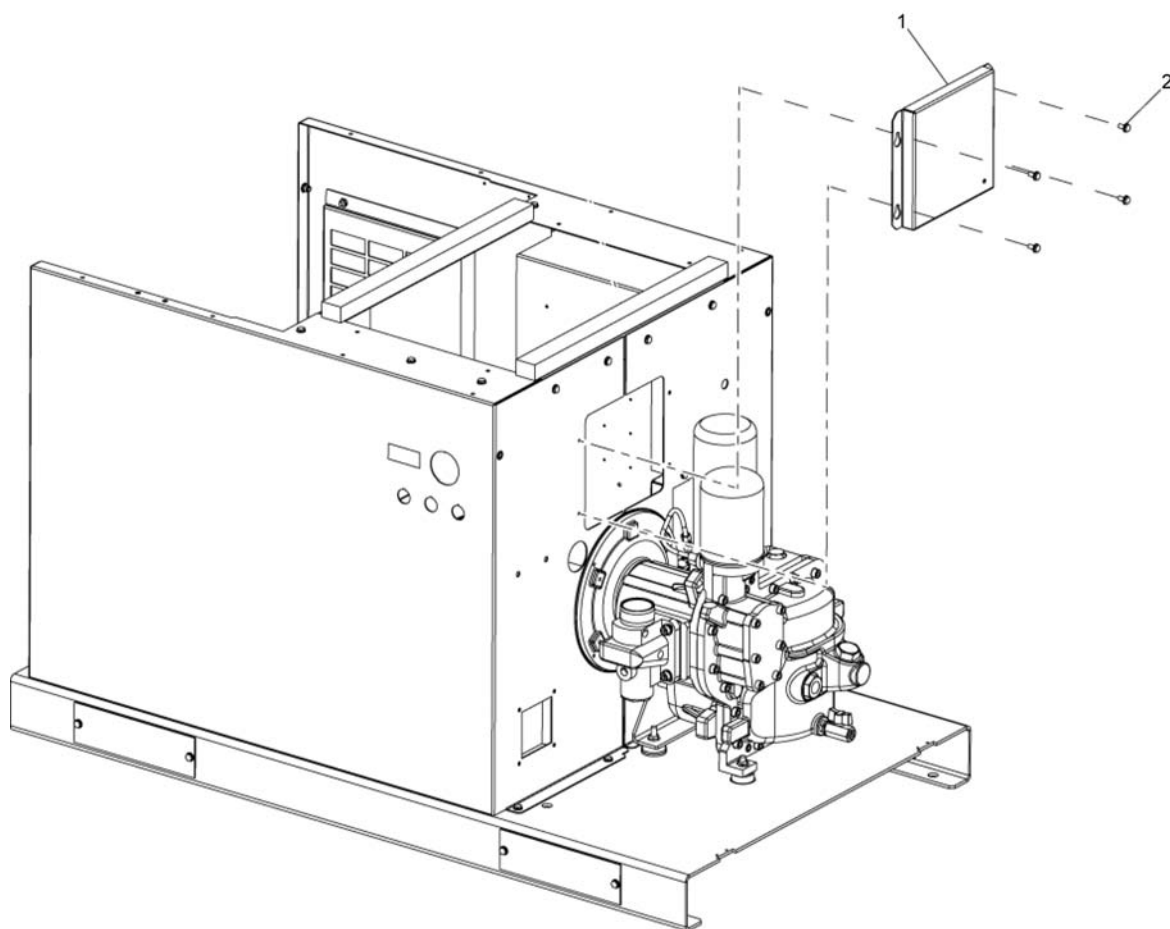
(Dwg. 22562722E11)

PARTS LIST

Item	Part No.	Description	Qty.
1	22379903	ASSEMBLY, FRONT COOLER SUPPORT (SHEET METAL/FOAM)	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	4

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Drive Cover to Front and Rear Panels



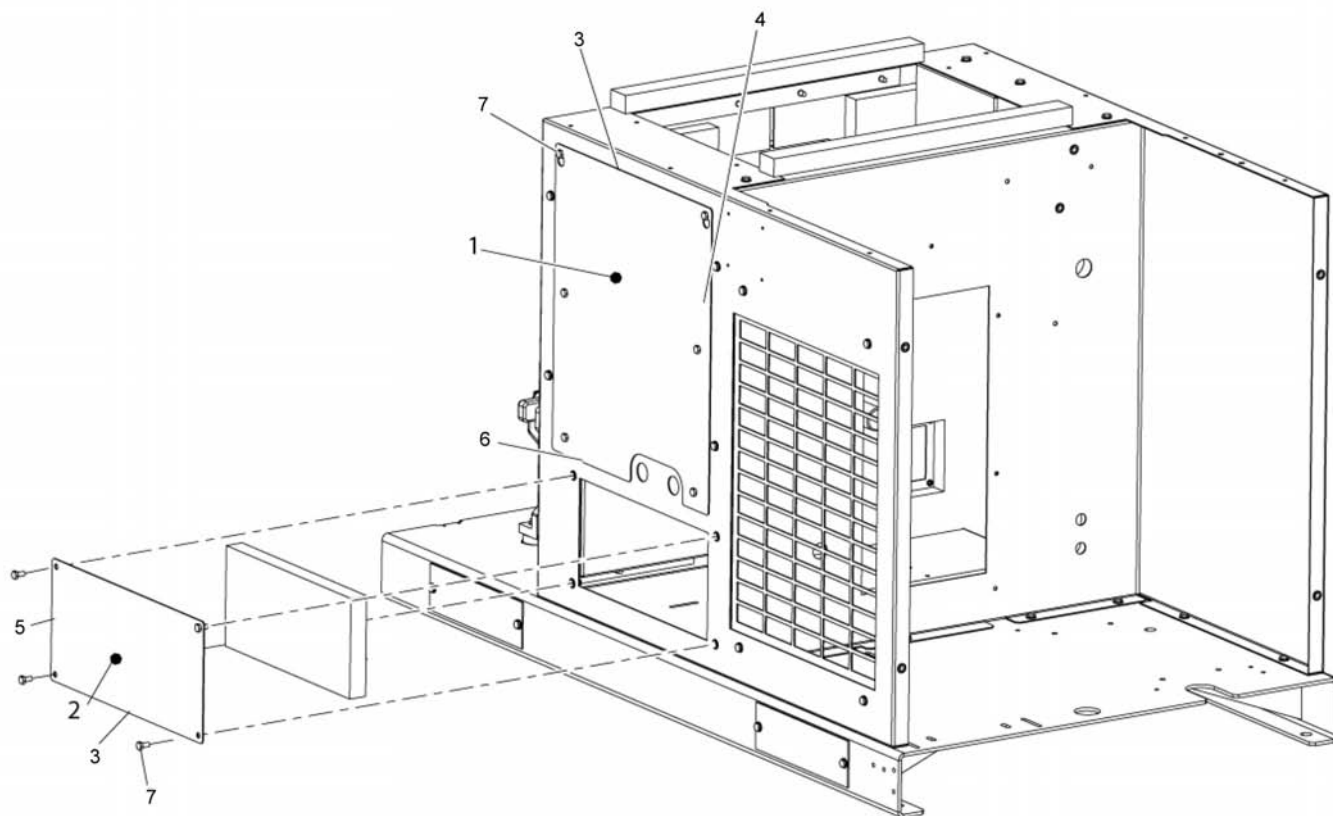
(Dwg. 22562722E12)

PARTS LIST

Item	Part No.	Description	Qty.
1	22423339	COVER, MOTOR DRIVE ENCLOSURE	1
2	92368687	TAPTITE SCREW M6 x 1 x 12 L G	4

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Back Access Covers



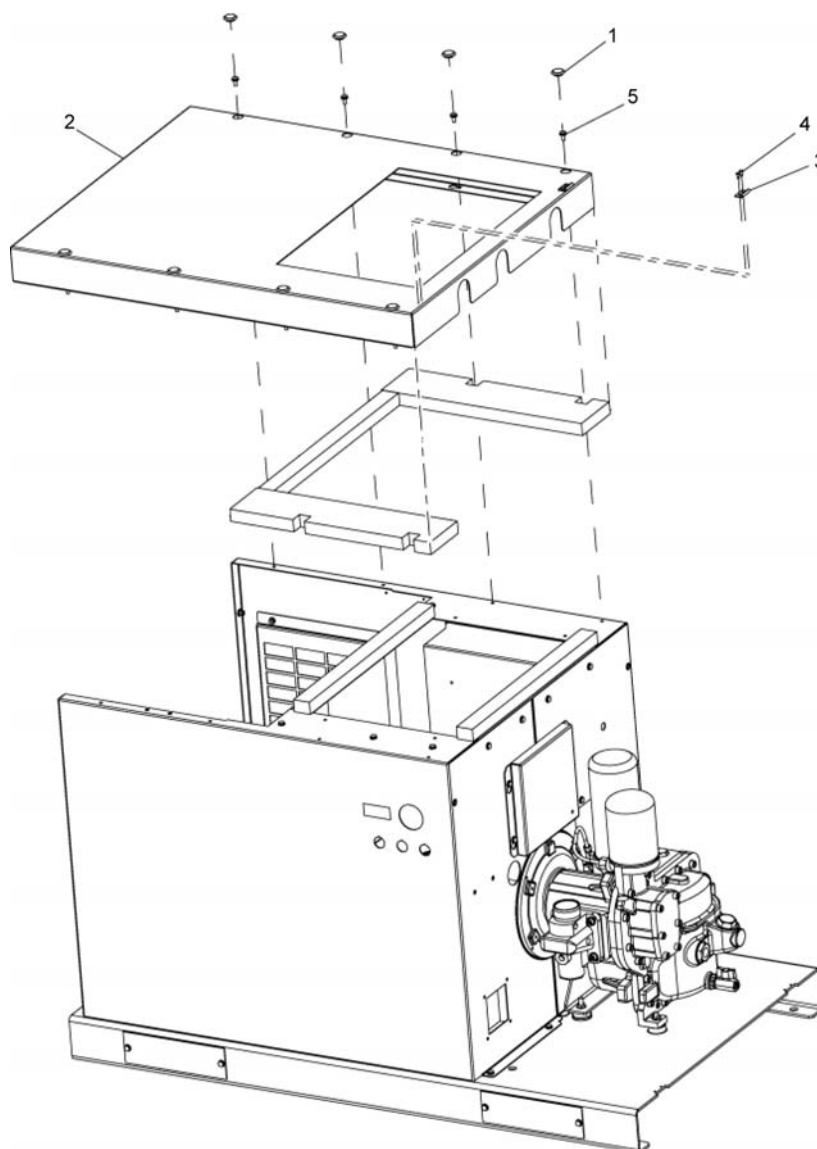
(Dwg. 22562722E13)

PARTS LIST

Item	Part No.	Description	Qty.
1	22867246	COVER, ACCESS (BACK PANEL) (ENCLOSURE)	1
2	22597199	ASSEMBLY, BACK COVER ACCESS PANEL (SHEET METAL/FOAM)	1
3	39117312	GASKET, 0.06"x 0.75" (12.0" LG.)	3
4	39117312	GASKET, 0.06"x 0.75" (15.0" LG.)	2
5	39117312	GASKET, 0.06"x 0.75" (5.0" LG.)	2
6	39117312	GASKET, 0.06"x 0.75" (6.0" LG.)	1
7	96716105	SCREW, HEX HEAD M6-1.00 x 12.0 LONG	10

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Top Panel



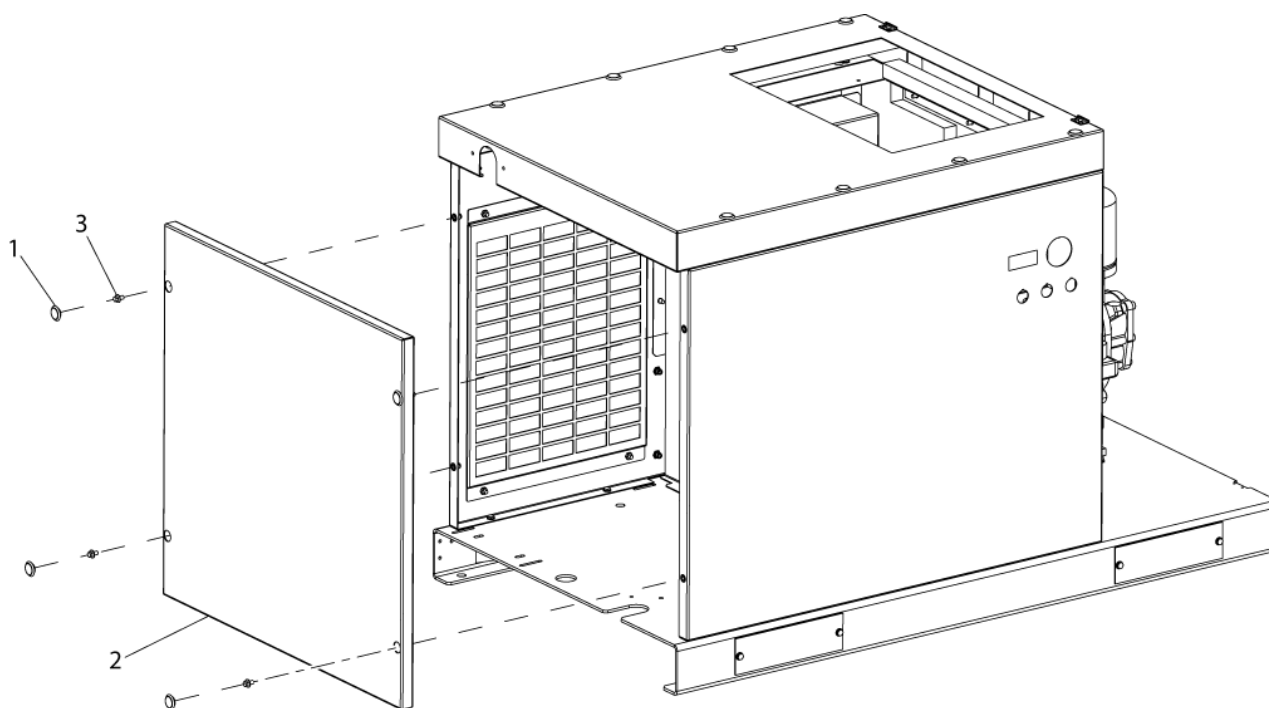
(Dwg. 22562722E14)

PARTS LIST

Item	Part No.	Description	Qty.
1	22380422	CAP, PLASTIC 18 mm HOLE	8
2	22544423	ASSEMBLY, TOP PANEL (SHEET METAL/FOAM)	1
3	22850457	KEEPER, LATCH (BLACK)	2
4	23073299	RIVET, POP 4 mm (5/32") DIA. DOME HEAD w/1.6-3.2 mm GRIP	4
5	92368687	TAPTITE SCREW M6 x 1 x 12 LG	8

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Left End Panel



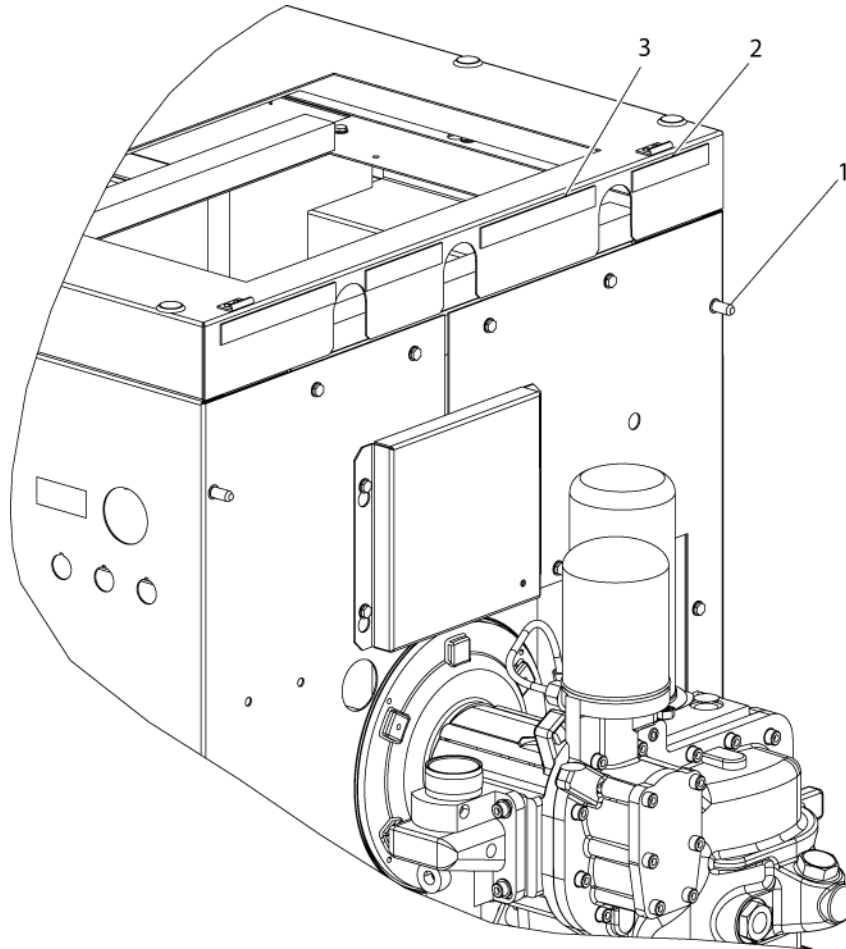
(Dwg. 22562722E15)

PARTS LIST

Item	Part No.	Description	Qty.
1	22053433	CAP, PLASTIC 18 mm HOLE	4
2	22489033	PANEL, BLOWER GUARD	1
3	96717525	SCREW, HEX HEAD FLANGE M6 x 10.0 LONG	4

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Alignment Pins for Mounting Airend Cover



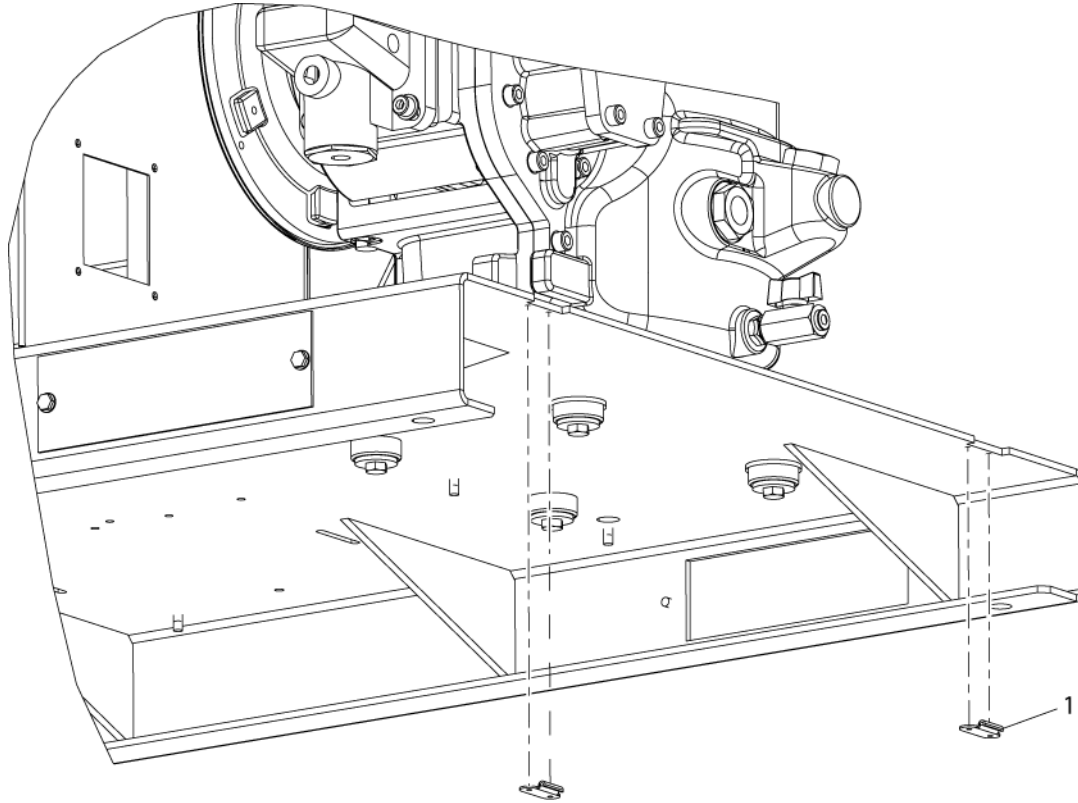
(Dwg. 22562722E16)

PARTS LIST

Item	Part No.	Description	Qty.
1	22850507	PIN, ALIGNMENT 9.53 DIA. x 20 LG.	2
2	39117312	GASKET, 0.06"x 0.75" (4.0" LG.)	2
3	39117312	GASKET, 0.06"x 0.75" (6.0" LG.)	2

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Latch Keepers to Base



(Dwg. 22562722E17)

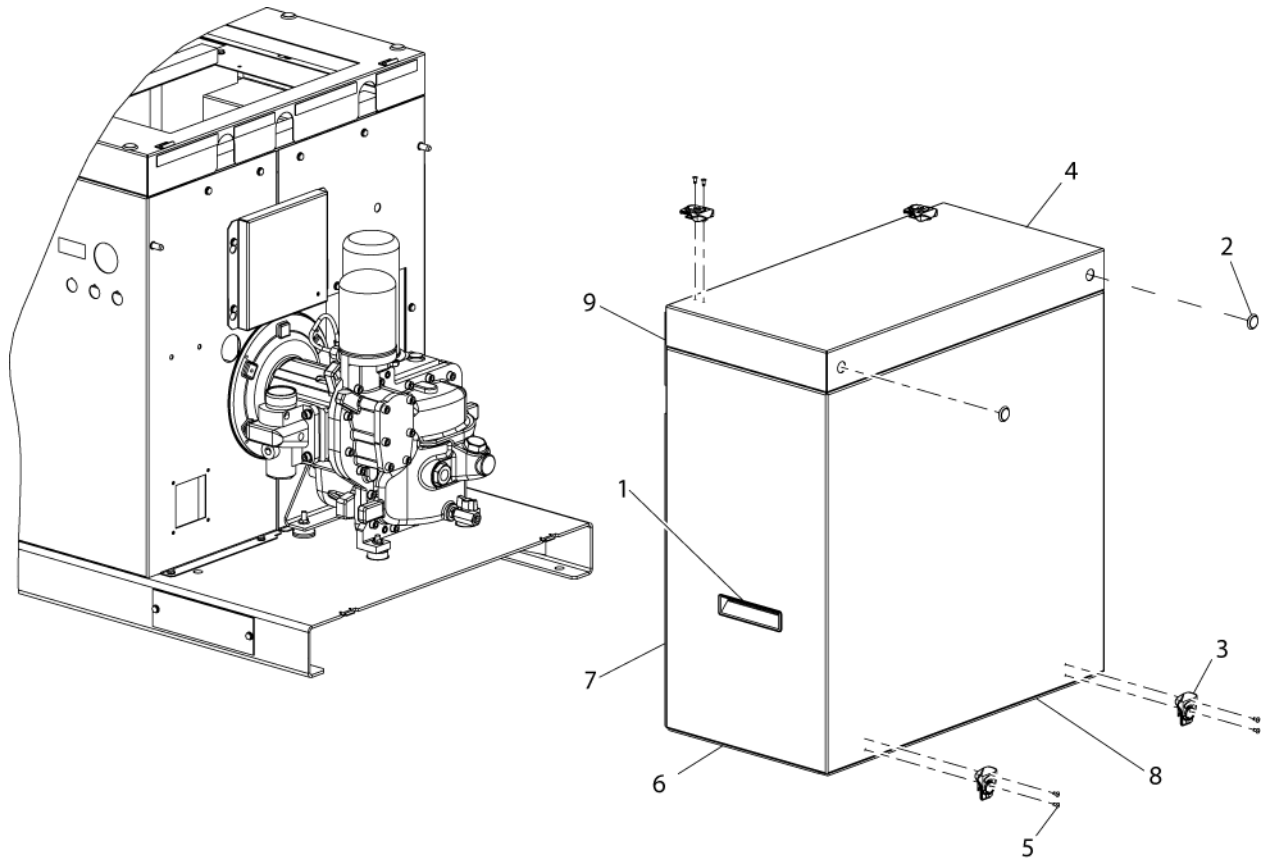
PARTS LIST

Item	Part No.	Description	Qty.
1	22544951	KEEPER, LATCH (BLACK)	2
2*	92512540	RIVET, POP 1/8" (DOME HEAD)	4

*	NOT ILLUSTRATED
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ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Cover



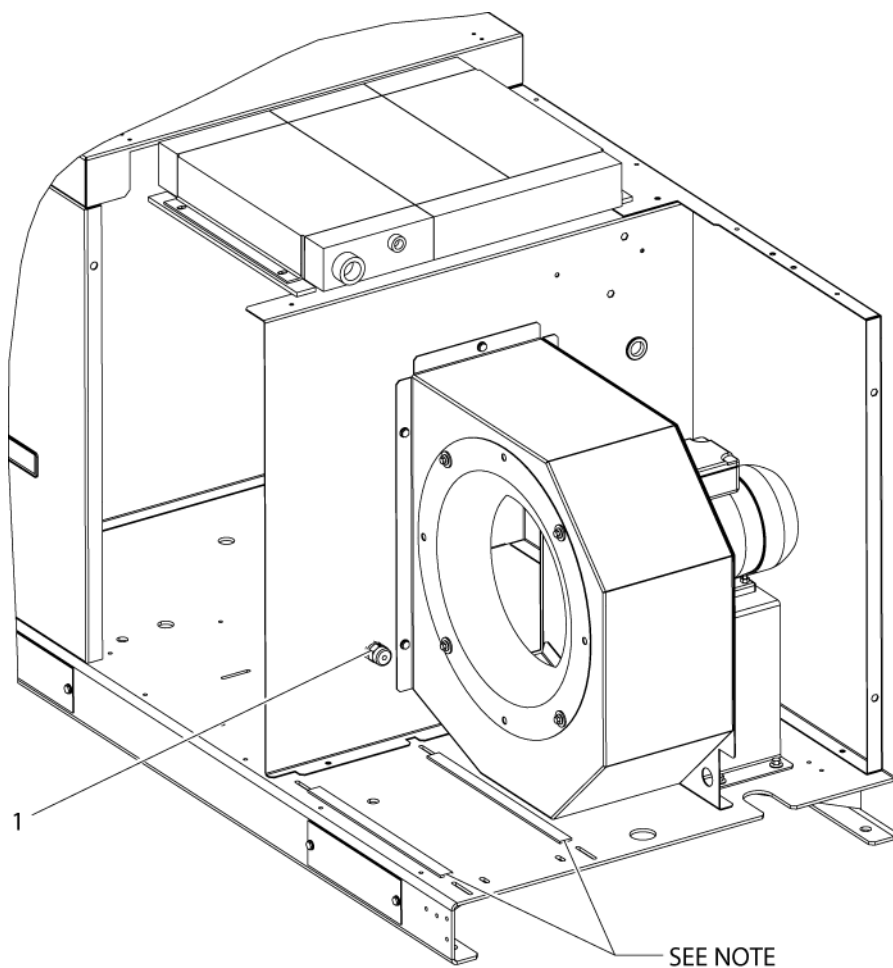
(Dwg. 22562722E18)

PARTS LIST

Item	Part No.	Description	Qty.
1	22355226	HANDLE, INSERT TYPE	2
2	22380422	CAP, PLASTIC 18 mm HOLE	2
3	22544944	LATCH, WING TYPE (BLACK)	4
4	22544340	ASSEMBLY, AIREND COVER (SHEET METAL/FOAM)	1
5	23073299	RIVET, POP 4 mm (5/32") DIA. DOME HEAD w/1.6-3.2 mm GRIP	8
6	85038412	GASKET, 1/8" x 3/4" (13.0" LG.)	2
7	85038412	GASKET, 1/8" x 3/4" (21.5" LG.)	2
8	85038412	GASKET, 1/8" x 3/4" (27.0" LG.)	1
9	85038412	GASKET, 1/8" x 3/4" (5.0" LG.)	2

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Tape to Base



(Dwg. 22562730L2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22095913	GLAND, PG-13 CABLE (LIQUID TIGHT FITTING)	1
2*	85038412	GASKET, 1/8" x 3/4" (ADHESIVE BACKED)	0.08 ROLL

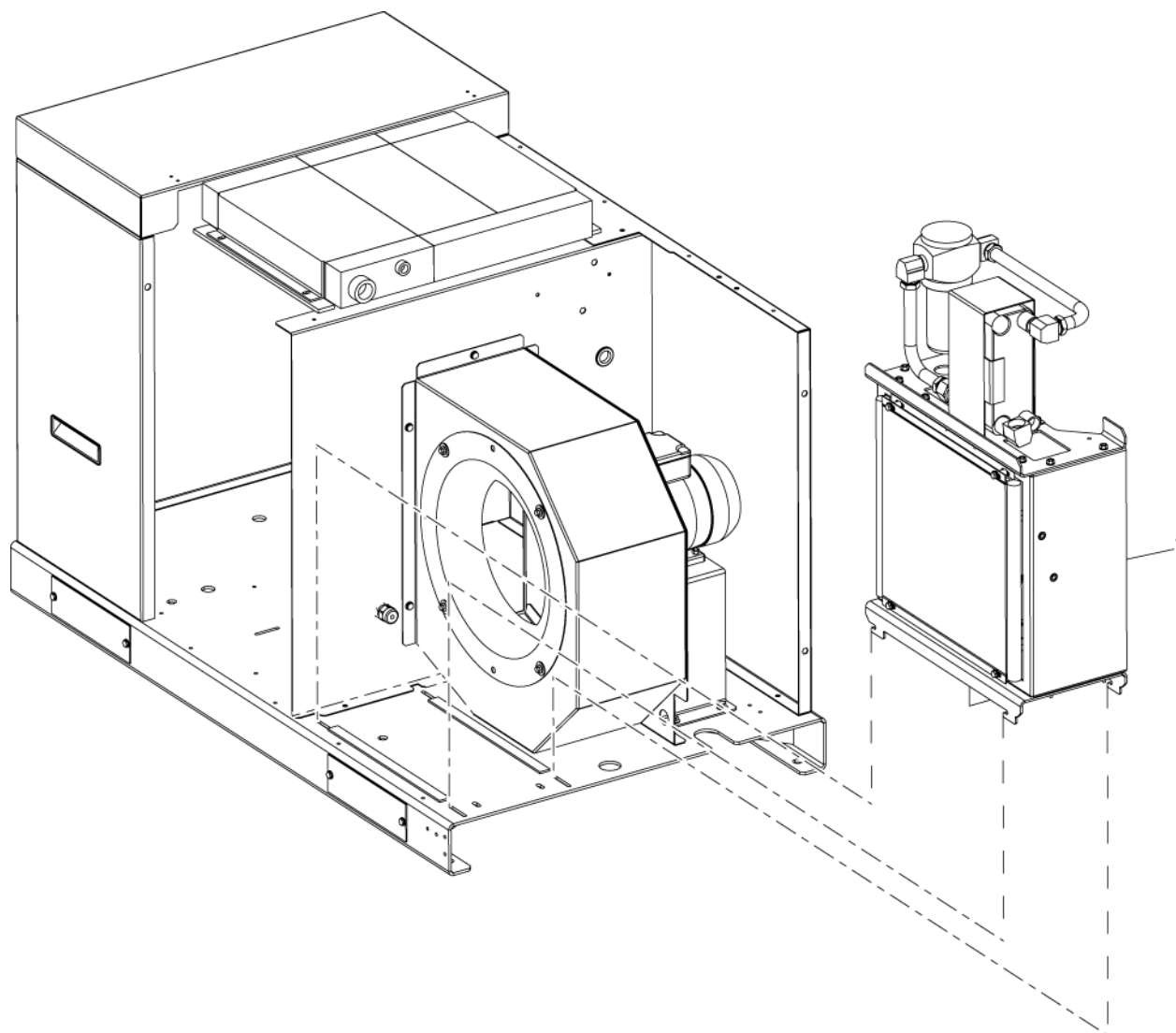
*	NOT ILLUSTRATED
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NOTE:

APPLY TWO STRIPS OF GASKET TAPE TO BASE BETWEEN THE SETS OF DRYER MOUNTING SLOTS.

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Module to Base



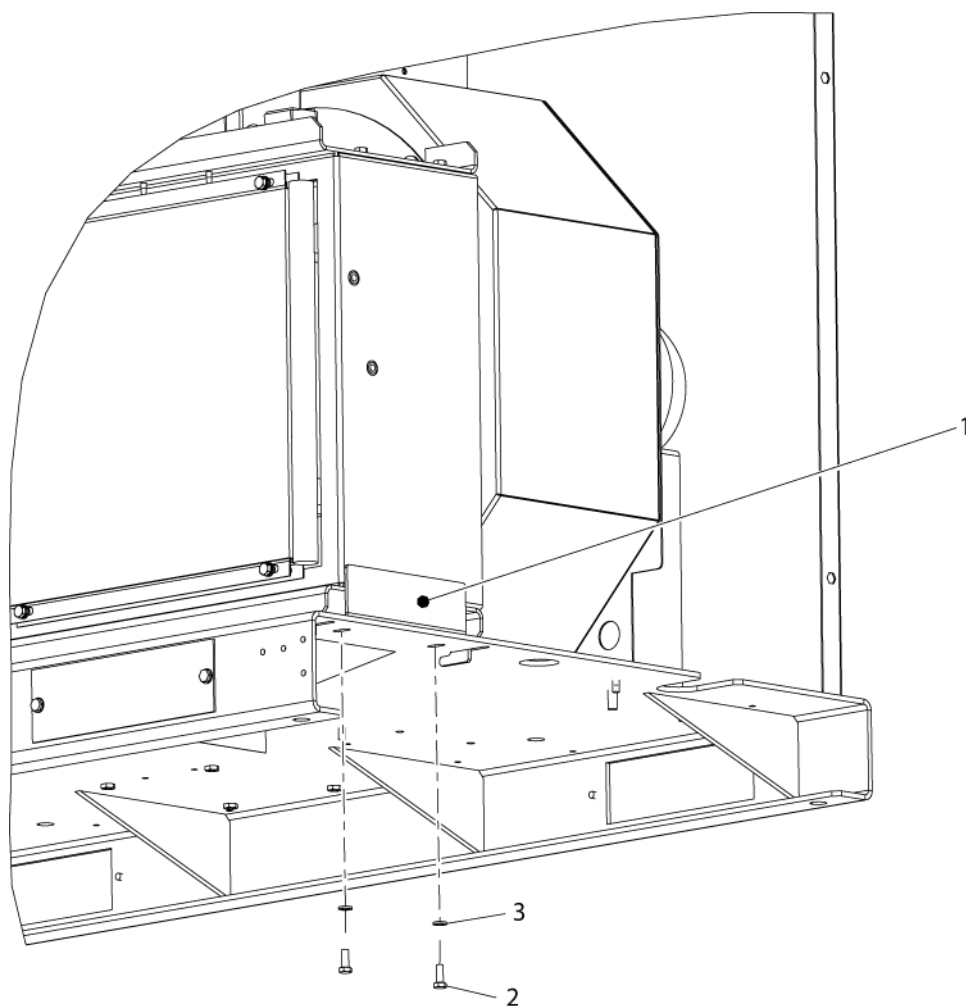
(Dwg. 22562730L3)

PARTS LIST

Item	Part No.	Description	Qty.
1	42567933	DRYER, X-CHILL X1015 - 60 Hz	1
	42564591	DRYER, X-CHILL X515 - 50 Hz	1

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Mounting Bracket



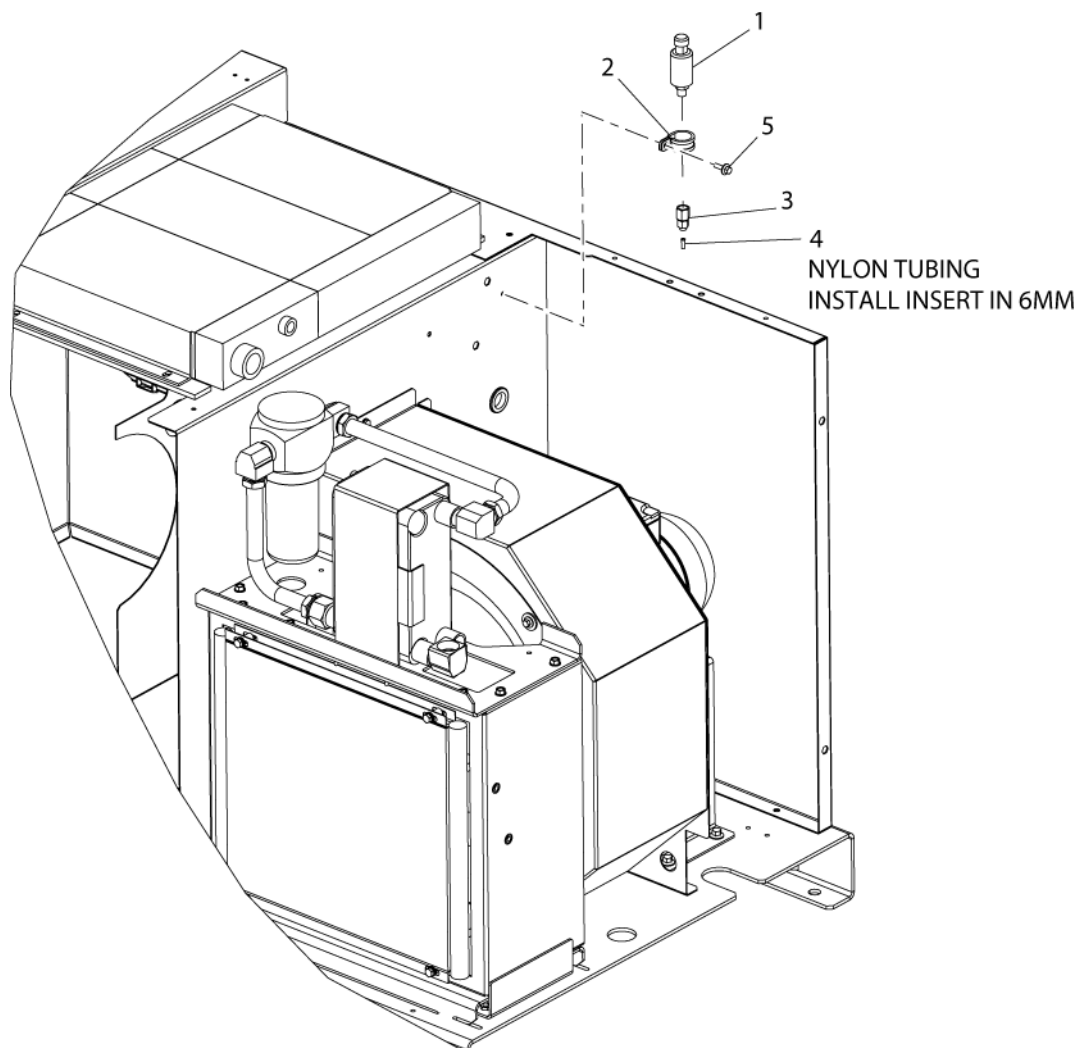
(Dwg. 22562730L4)

PARTS LIST

Item	Part No.	Description	Qty.
1	22495873	BRACKET, DRYER MTG.	1
2	96701958	SCREW, HEX HEAD M6-1.00 x16.0 LONG	2
3	96705199	WASHER, PLAIN GRADE C, 6	2

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Transducer to Divider Panel



(Dwg. 22562730L5)

PARTS LIST

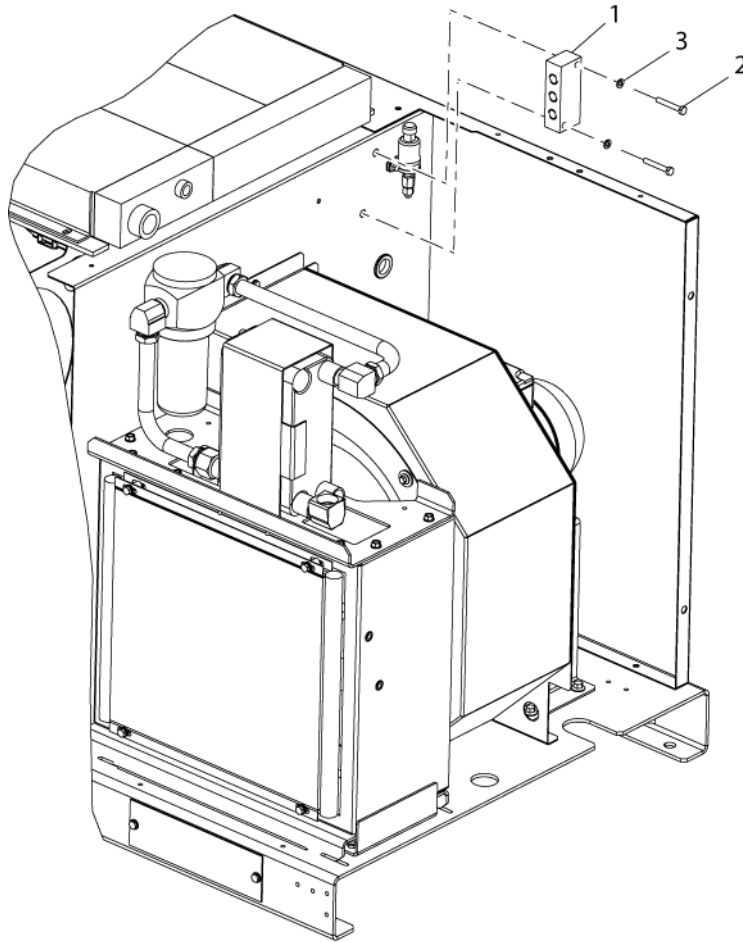
Item	Part No.	Description	Qty.
1	22359632	TRANSDUCER, PRESSURE 16 BAR, 4-20 mA	1
2	22410674	CLAMP, INSULATED (FOR 1" O.D.)	1
3	22420046	CONNECTOR, METRU-LOK 6mm TUBE x 1/8" FNPT	1
4	22770069	INSERT, 6 mm PLASTIC TUBE SCREW, HEX HEAD FLANGE	1
5	39917489	M6 x 16.0 LONG ZINC	1

NOTE:

ALIGN BOTTOM SURFACE OF PRESSURE TRANSDUCER BODY TO THE BOTTOM EDGE OF THE CLAMP.

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Condensate Manifold to Divider Panel



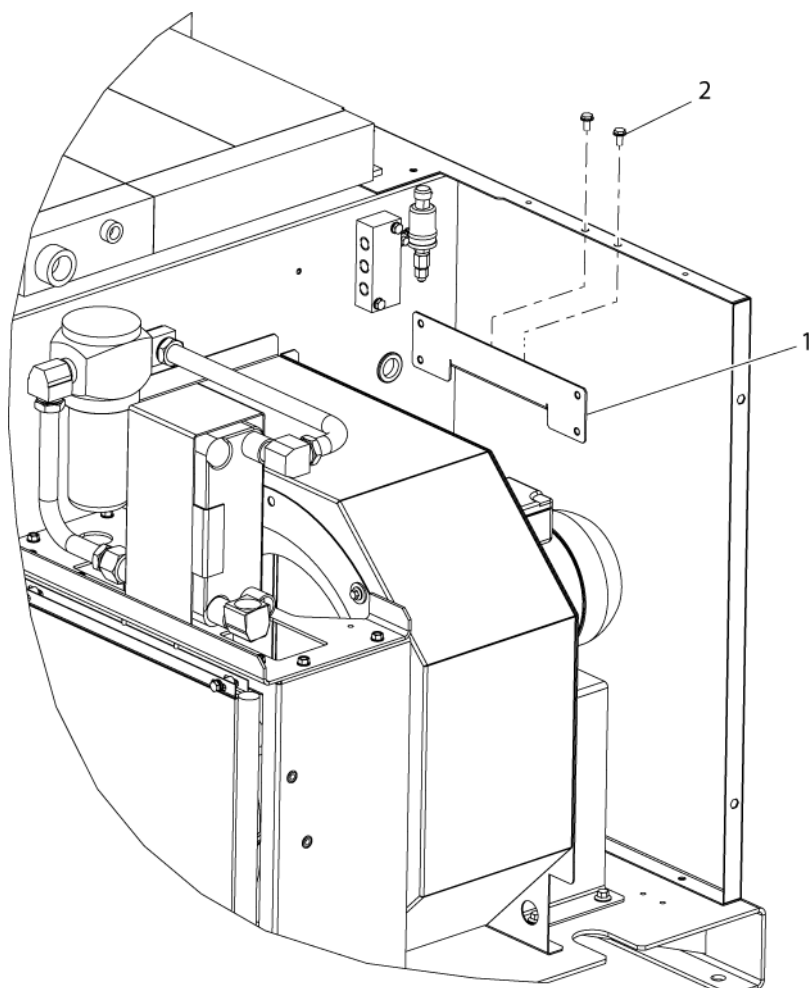
(Dwg. 22562730L6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22480107	MANIFOLD, CONDENSATE (DRYER)	1
2	96706809	SCREW, HEX HEAD M6-1.00 x 40.0 LONG	2
3	96727573	WASHER, SPRING LOCK, CURVED TYPE A, M6	2

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Filter Mounting Bracket to Front Panel



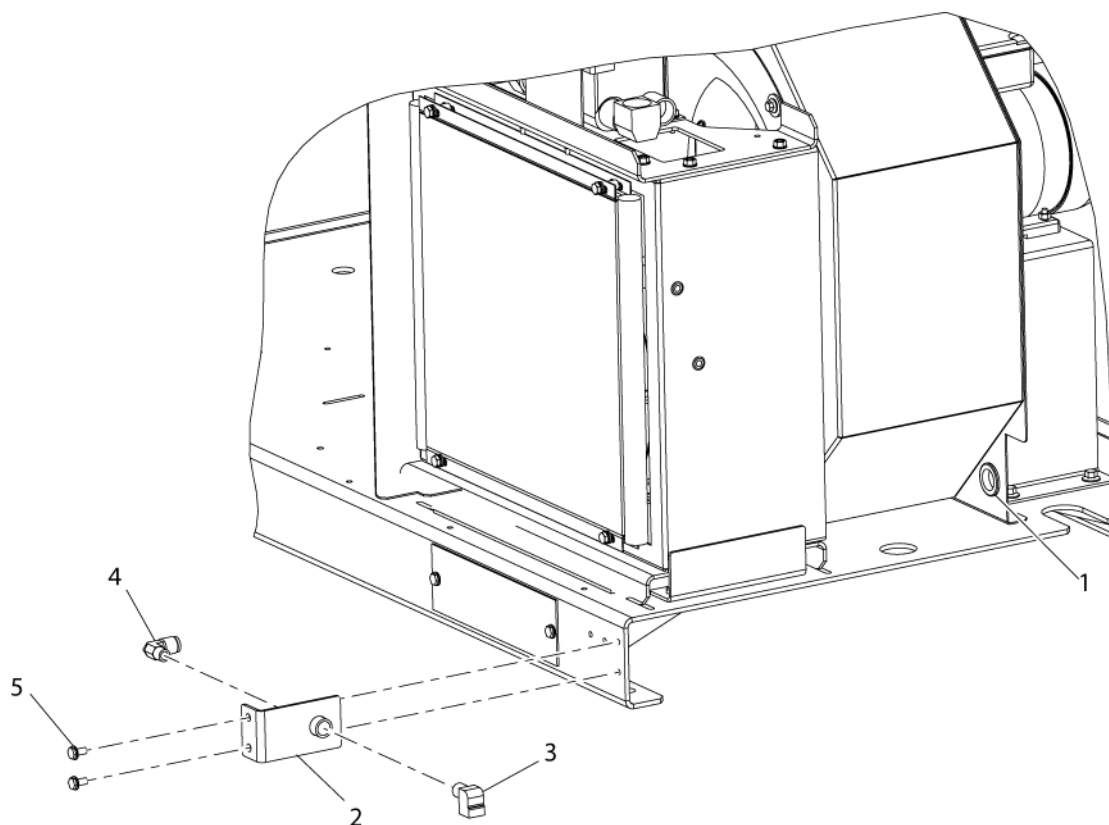
(Dwg. 22562730L7)

PARTS LIST

Item	Part No.	Description	Qty.
1	23330384	BRACKET, FILTER SUPPORT	1
2	92368687	TAPTITE SCREW M6 x1x12 LG	2

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Bracket for Mounting Condensate Outlet Fittings



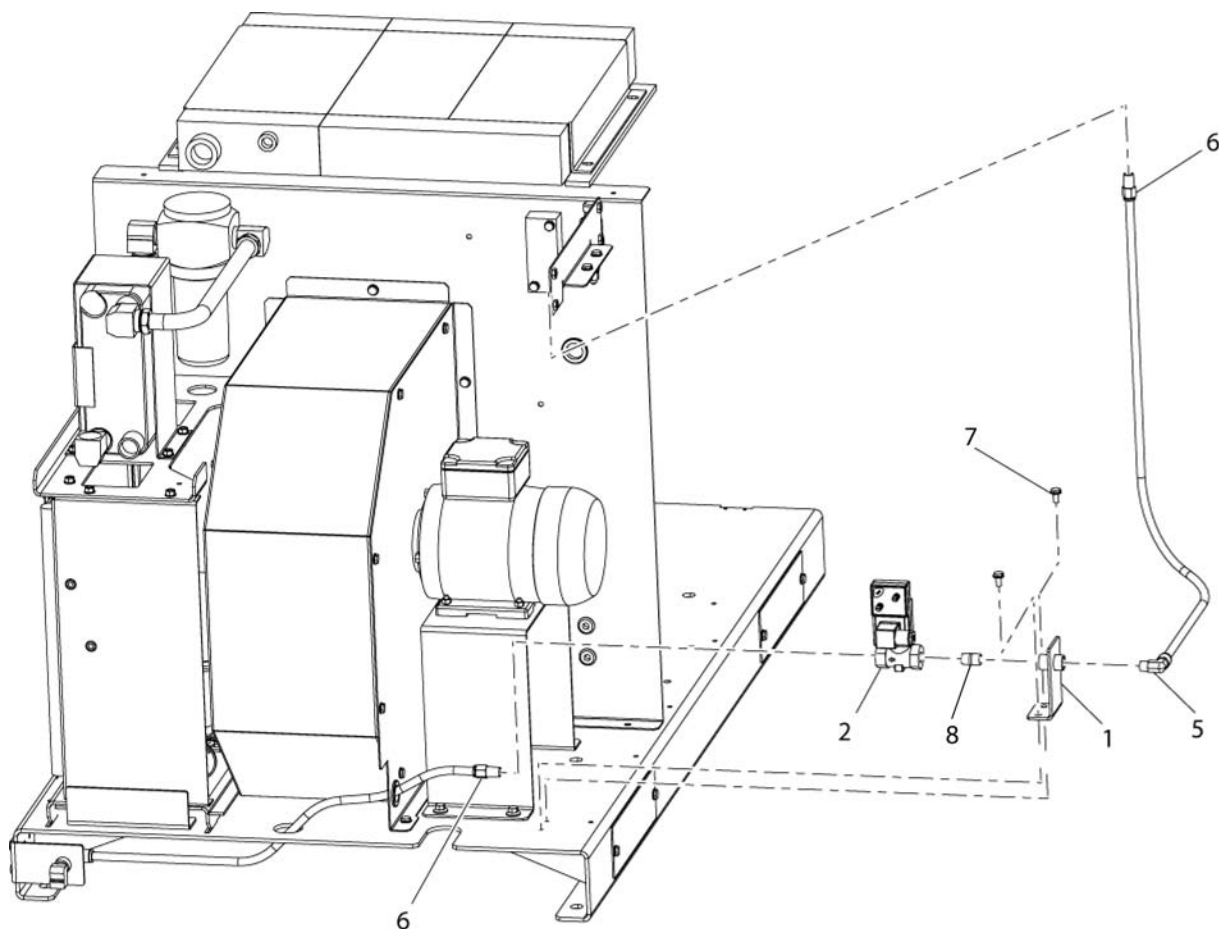
(Dwg. 22562730L8)

PARTS LIST

Item	Part No.	Description	Qty.
1	22390132	GROMMET, INSULATION 0.812" I.D. x 1.25" O.D.	1
2	22457824	BRACKET, MTG. (EDV-2000)	1
3	37143542	ELBOW, STREET 1/4NPT	1
4	39155650	ELBOW, 0.25 NPT x 0.38 TUBING	1
5	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Electric Drain Valve Assembly to Base



(Dwg. 22562730L9)

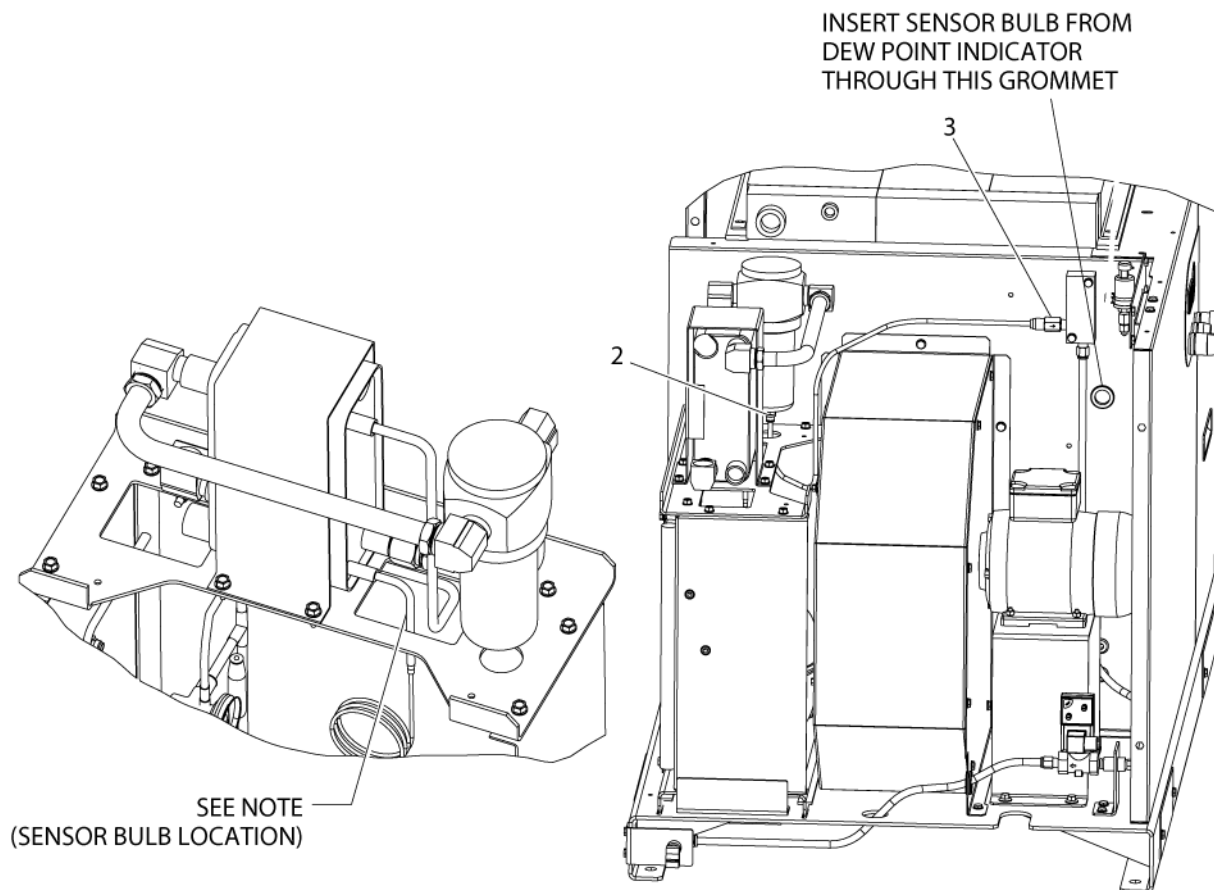
PARTS LIST

Item	Part No.	Description	Qty.
1	22457824	BRACKET, MTG. (EDV-2000)	1
2	22612931	VALVE, SOLENOID DRAIN 120V	1
	22690366	VALVE, SOLENOID DRAIN 230V	1
3**	39124821	TUBE, NYLON (0.375" SYNPLEX)	1.8 FT.
4**	39124821	TUBE, NYLON (0.375" SYNPLEX)	2.8 FT.
5	39155650	ELBOW, 0.25 NPT x 0.38 TUBING	1
6	39156419	CONNECTOR, 0.25 NPT x 0.38 TUBING	2
7	92368687	TAPTITE SCREW M6 x 1 x 12 LG	2
8	95667341	NIPPLE, EXTRA STRONG 0.25 NPT x 0.88 LONG	1

**	NOT SHOWN
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INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube from Condensate Block to Moisture Separator



(Dwg. 22562730L10)

PARTS LIST

Item	Part No.	Description	Qty.
1*	22499628	TAPE, INSULATION (SELF ADHERING)	0.03 ROLL
2	22601371	CONNECTOR, MALE 0.25" NPT x 6mm TUBE	1
3	22602197	VALVE, CHECK 1/4" NPT MALE x 6mm TUBE	1
4*	22810261	CLAMP, WORM 0.31" x 0.78" (STAINLESS STEEL)	1
5*	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	2.7 FT.

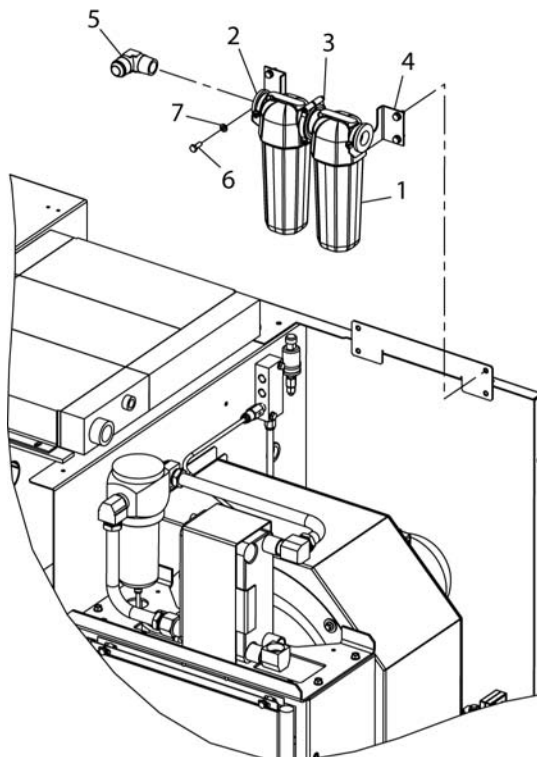
*	NOT ILLUSTRATED
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NOTE:

MAKE A CIRCULAR CUT THROUGH THE INSULATION ON THE INDICATED TUBE. ATTACH THE DEW POINT INDICATOR SENSOR BULB TO THE COPPER TUBE USING CLAMP #22810261. AFTER THE SENSOR HAS BEEN FIRMLY ATTACHED, REWRAP THE INSULATION WITH TAPE #22499628.

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Filters to Brackets



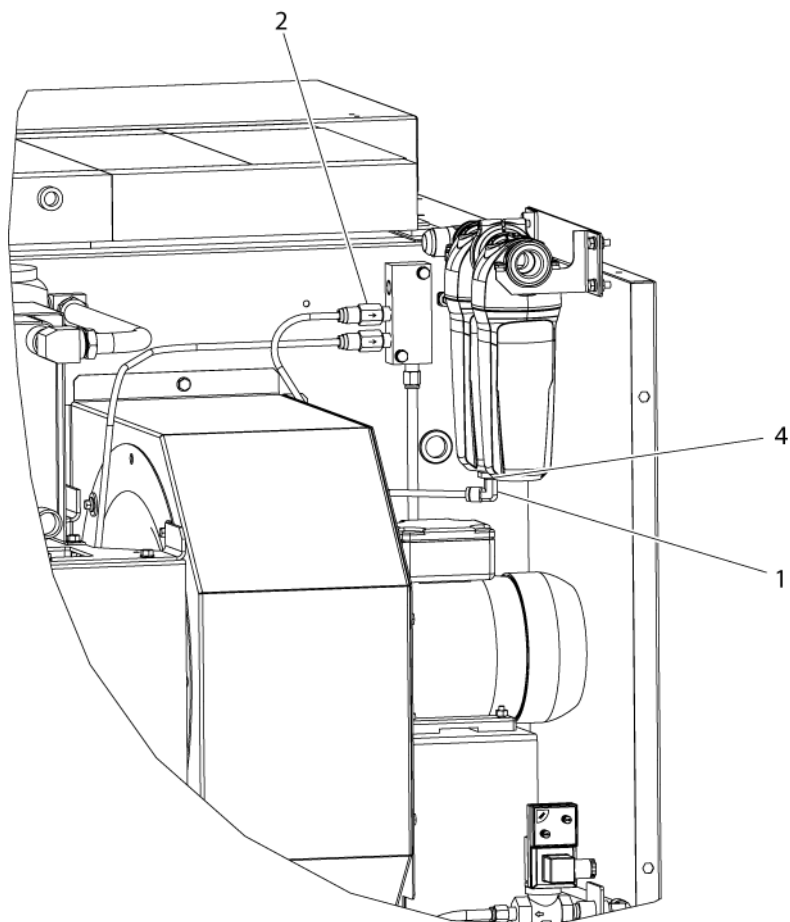
(Dwg. 22562730L11)

PARTS LIST

Item	Part No.	Description	Qty.
1	24233454	FILTER, (FA110IGX), 3/4" NPT, 65 SCFM, NO DRAIN	1
2	24233470	FILTER, (FA110IHX), 3/4" NPT, 65 SCFM, NO DRAIN	1
3	24361925	CLAMP, KIT FC75I-FC110I	1
4	24361974	BRACKET, KIT FC75I-FC110I	1
5	95937637	ELBOW, 0.75 TUBE x 0.75 NPT	1
6	96701958	SCREW, HEX HEAD M6-1.00 x 16.0 LONG	4
7	96705199	WASHER, PLAIN GRADE C, 6	4

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube from Condensate Manifold to High Efficiency Dryer Filter



(Dwg. 22562730L12)

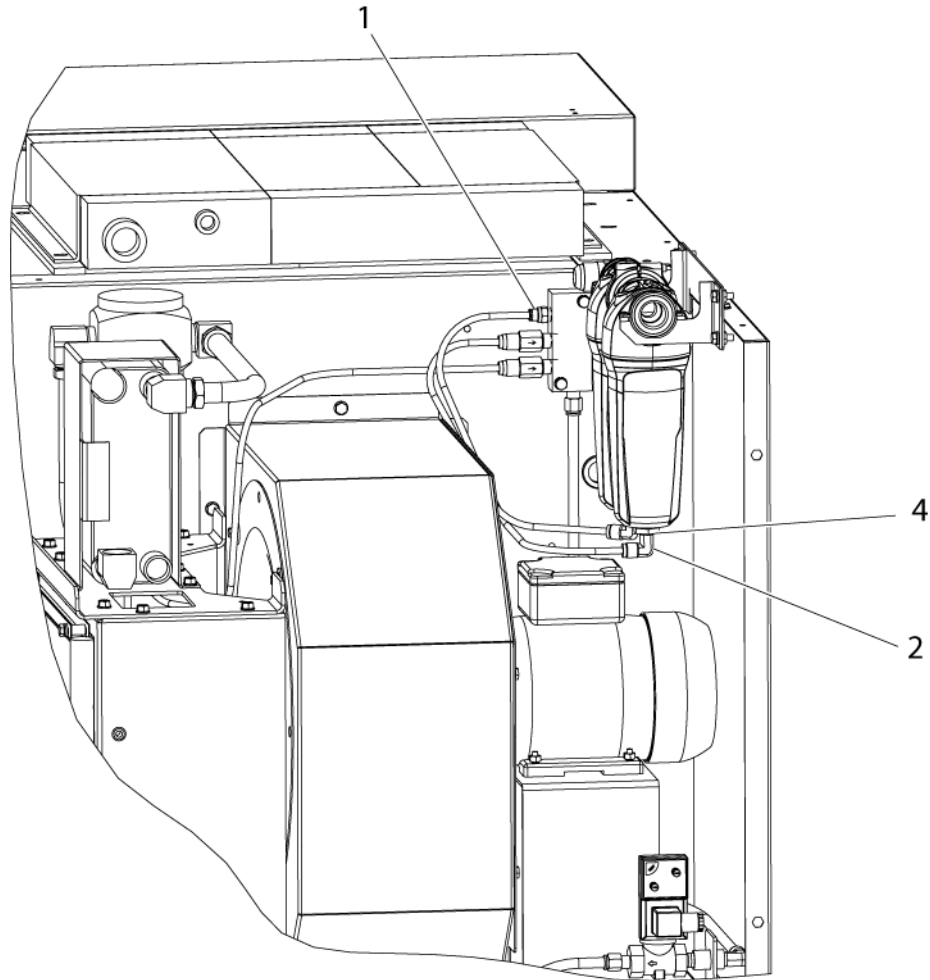
PARTS LIST

Item	Part No.	Description	Qty.
1	22601389	ELBOW, MALE 0.25" NPT x 6 mm TUBE	1
2	22602197	VALVE, CHECK 1/4" NPT MALE x 6 mm TUBE	1
3**	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	1.5 FT.
4	95245361	BUSHING, REDUCER 0.50 NPT x 0.25 FNPT	1

**	NOT SHOWN
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INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube from Condensate Manifold to General Purpose Dryer Filter



(Dwg. 22562730L13)

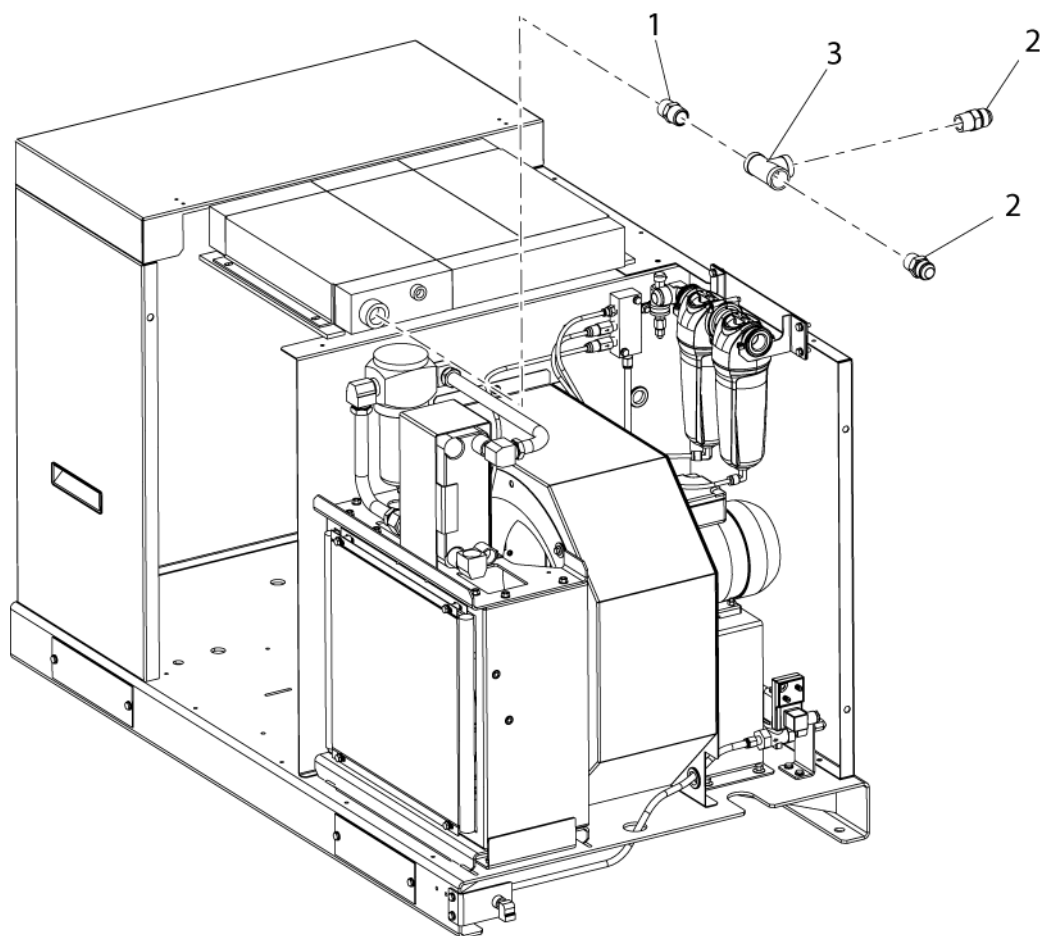
PARTS LIST

Item	Part No.	Description	Qty.
1	22601371	CONNECTOR, MALE 0.25" NPT x 6 mm TUBE	1
2	22601389	ELBOW, MALE 0.25" NPT x 6 mm TUBE	1
3**	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	2.2 FT.
4	95245361	BUSHING, REDUCER 0.50 NPT x 0.25 FNPT	1

**	NOT SHOWN
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INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Cooler Discharge Fittings



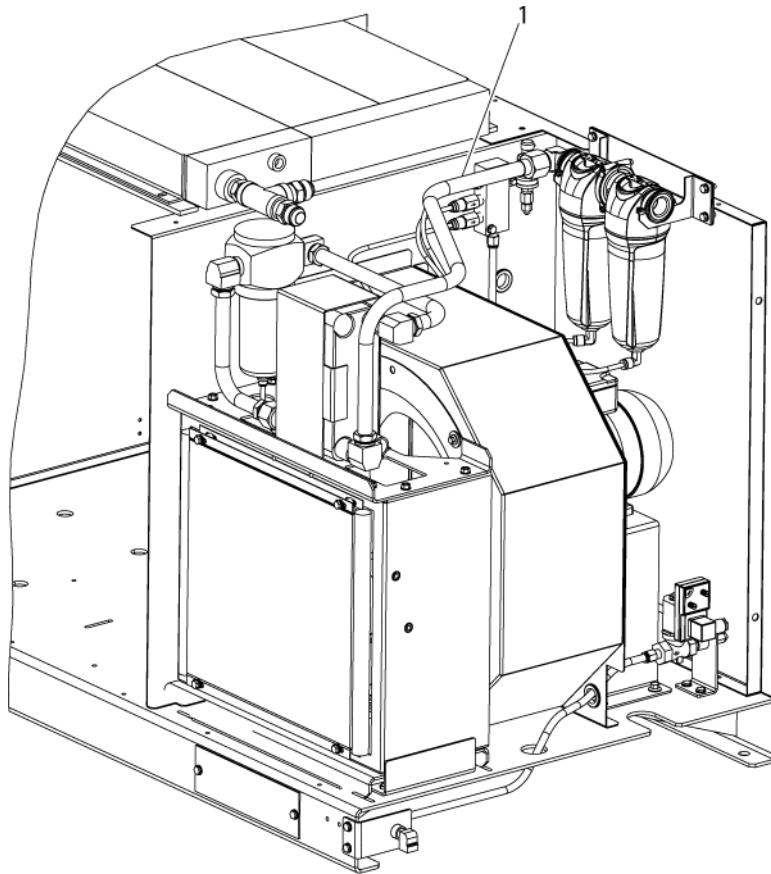
(Dwg. 22562730L14)

PARTS LIST

Item	Part No.	Description	Qty.
1	92255934	CONNECTOR, MALE 0.75" BSPT TO .75" BSPT	1
2	95219747	CONNECTOR, 0.75 TUBE x 0.75 NPT	2
3	95953410	TEE, 300# 0.75 FNPT	1

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube Assembly From High Efficiency Dryer Filter to Dryer Module



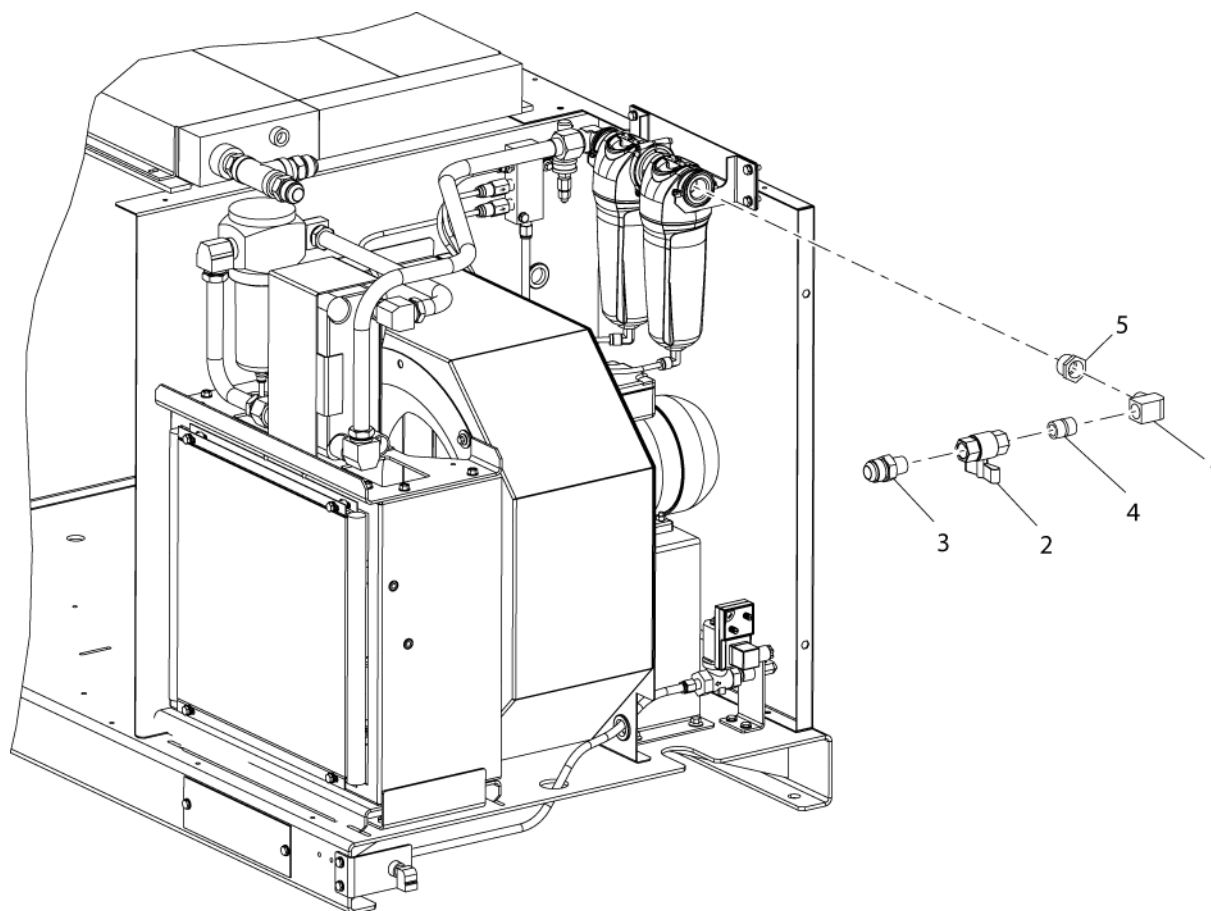
(Dwg. 22562730L15)

PARTS LIST

Item	Part No.	Description	Qty.
1	23316599	TUBE, HE FILTER/DRYER INLET	1

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Fittings to General Purpose Dryer Filter



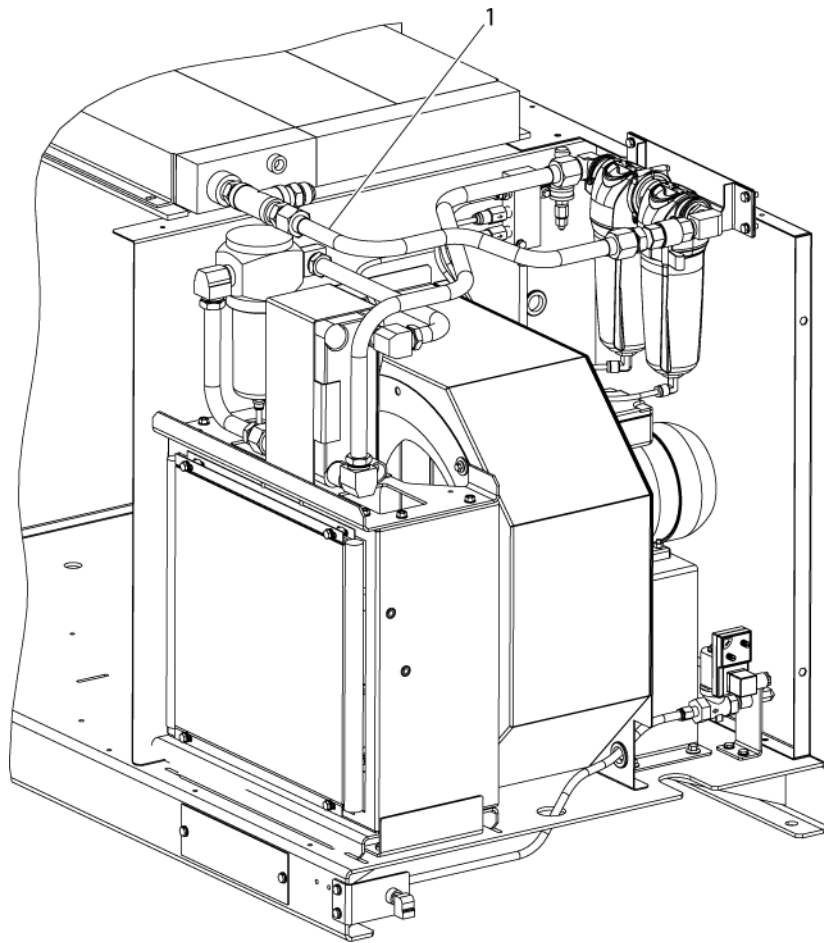
(Dwg. 22562730L16)

PARTS LIST

Item	Part No.	Description	Qty.
1	16545998	ELBOW, STREET 1/2" NPT	1
2	54450176	VALVE, BALL 0.50 T-HANDLE	1
3	95279378	CONNECTOR, 0.75 TUBE x 0.50 NPT	1
4	95934279	NIPPLE, EXTRA STRONG 0.50 NPT x 1.13 LONG	1
5	95953949	BUSHING, REDUCER 0.75 NPT x 0.50 FNPT	1

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube Assembly from Cooler Discharge to General Purpose Dryer Filter



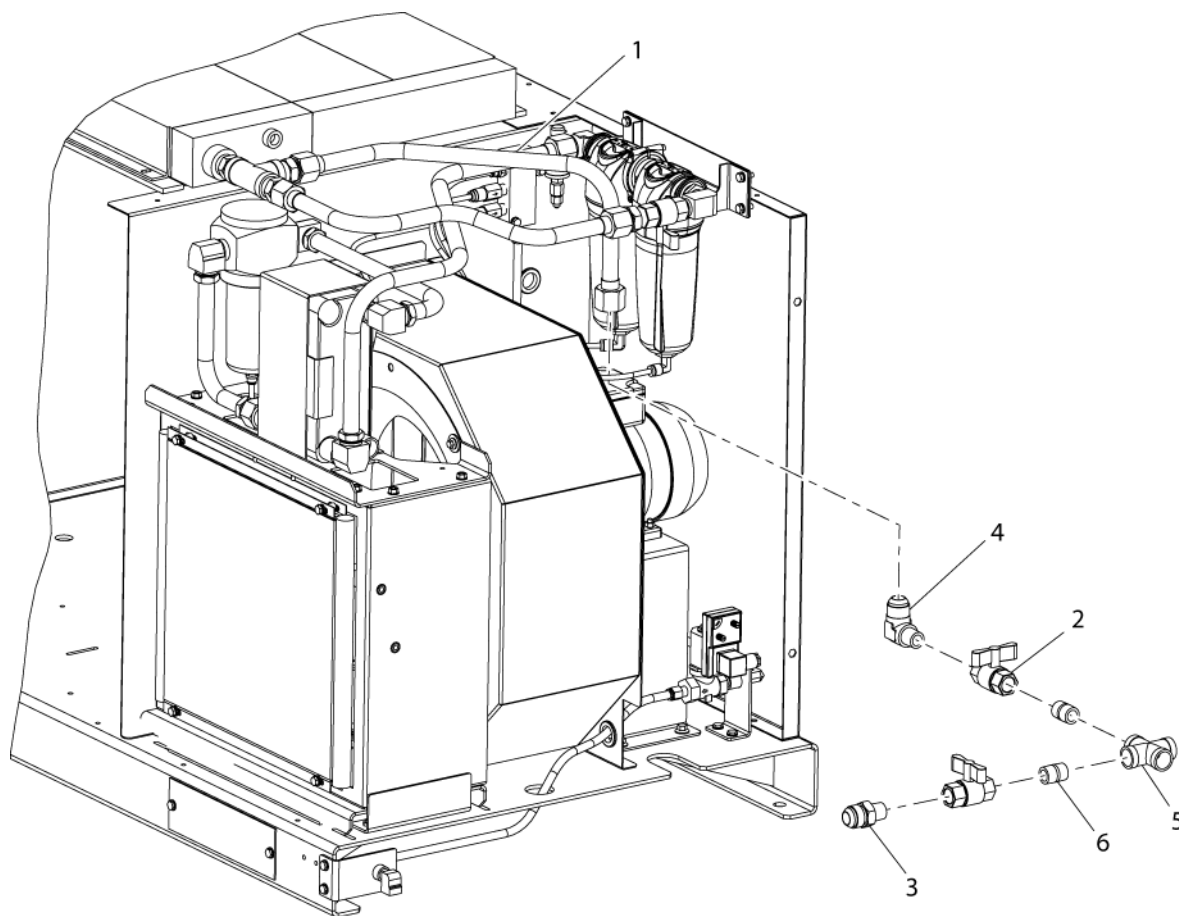
(Dwg. 22562730L17)

PARTS LIST

Item	Part No.	Description	Qty.
1	23316581	TUBE, AFTER-COOLER/GP FILTER	1

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Bypass Tube Assembly



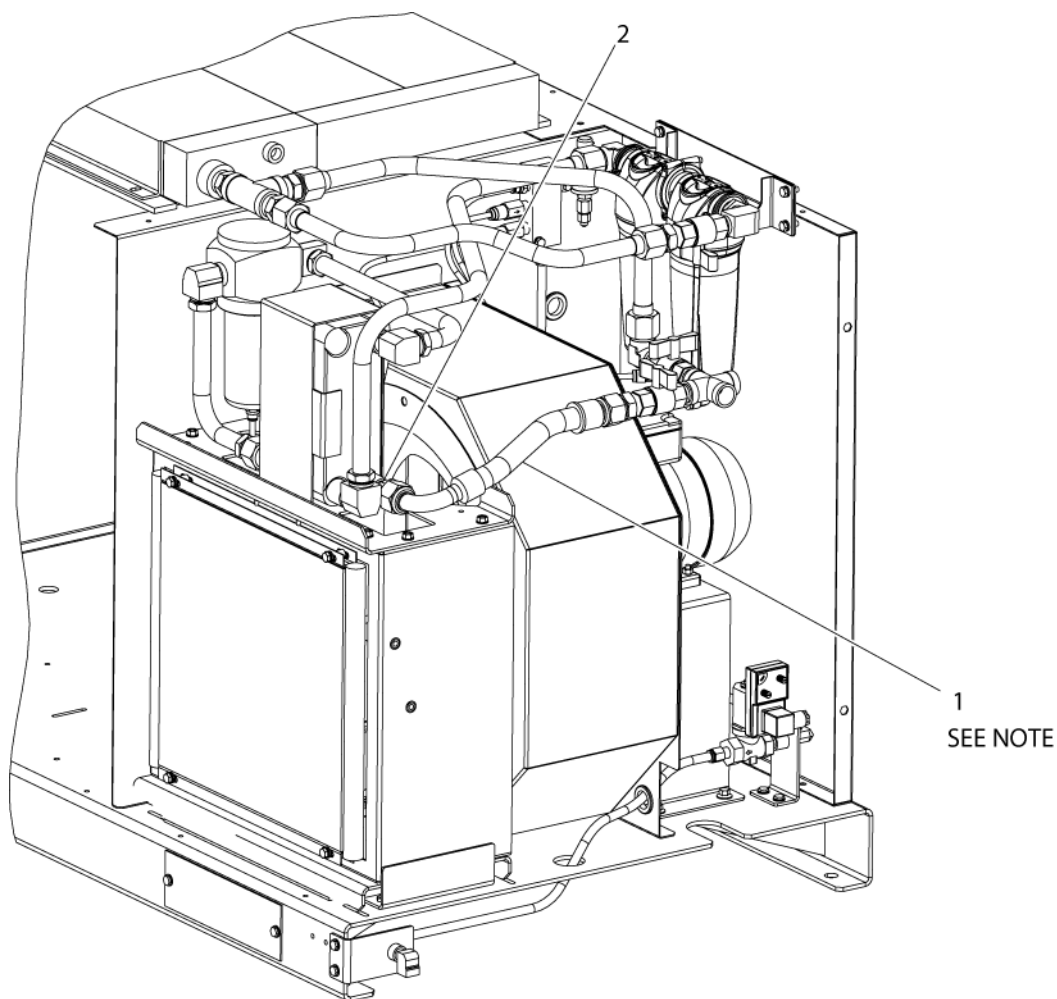
(Dwg. 22562730L18)

PARTS LIST

Item	Part No.	Description	Qty.
1	23316607	TUBE, DRYER BYPASS	1
2	54450176	VALVE, BALL 0.50 T-HANDLE	2
3	95279378	CONNECTOR, 0.75 TUBE x 0.50 NPT	1
4	95279543	ELBOW, 0.75 TUBE x 0.50 NPT	1
5	95828661	CROSS, 300# 0.50 FNPT	1
6	95934279	NIPPLE, EXTRA STRONG 0.50 NPT x 1.13 LONG	2

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Discharge Hose



(Dwg. 22562730L19)

PARTS LIST

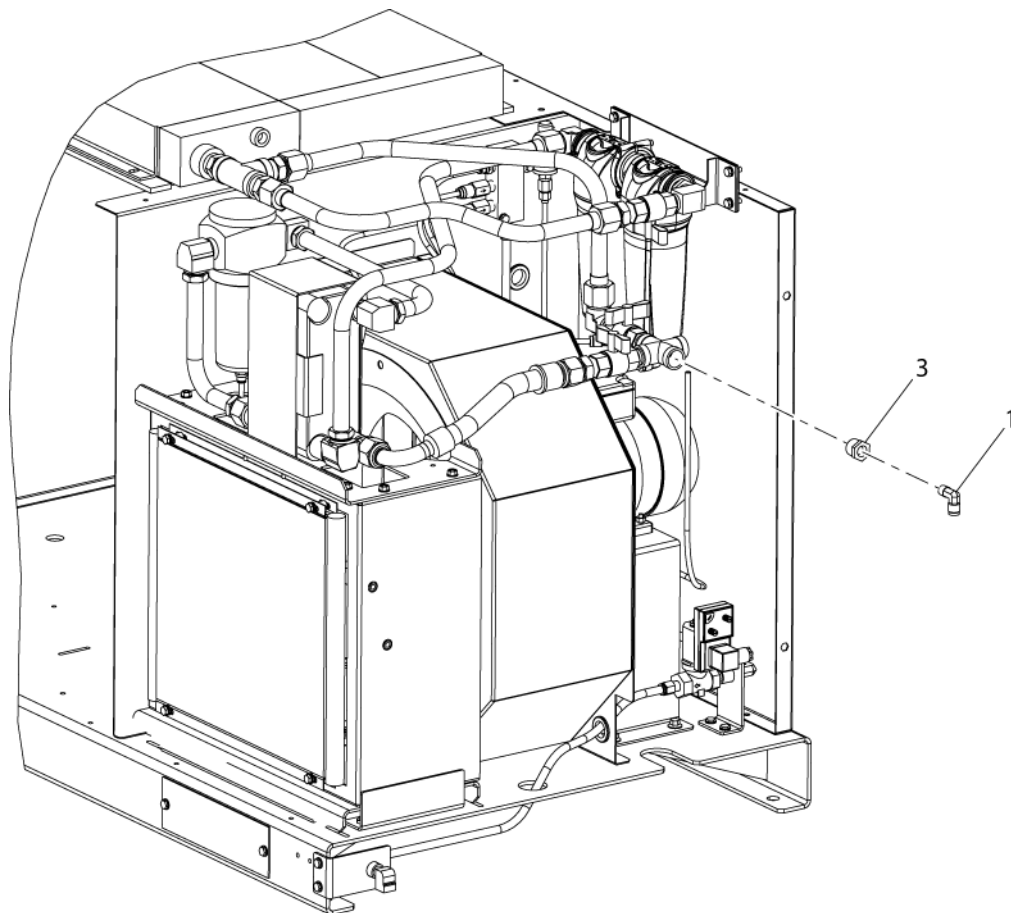
Item	Part No.	Description	Qty.
1	85560209	HOSE, HYD. 90 DEG x STR -12 x 12.0" LONG	1
2	95279378	CONNECTOR, 0.75 TUBE x 0.50 NPT	1

NOTE:

ROTATE THE ELBOW END OF THE HOSE ASSEMBLY #85560209 UPWARD TOWARD THE CONNECTING FITTINGS ON THE OPPOSITE END TO PREVENT KINKING OF THE HOSE.

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Transducer Tube



(Dwg. 22562730L20)

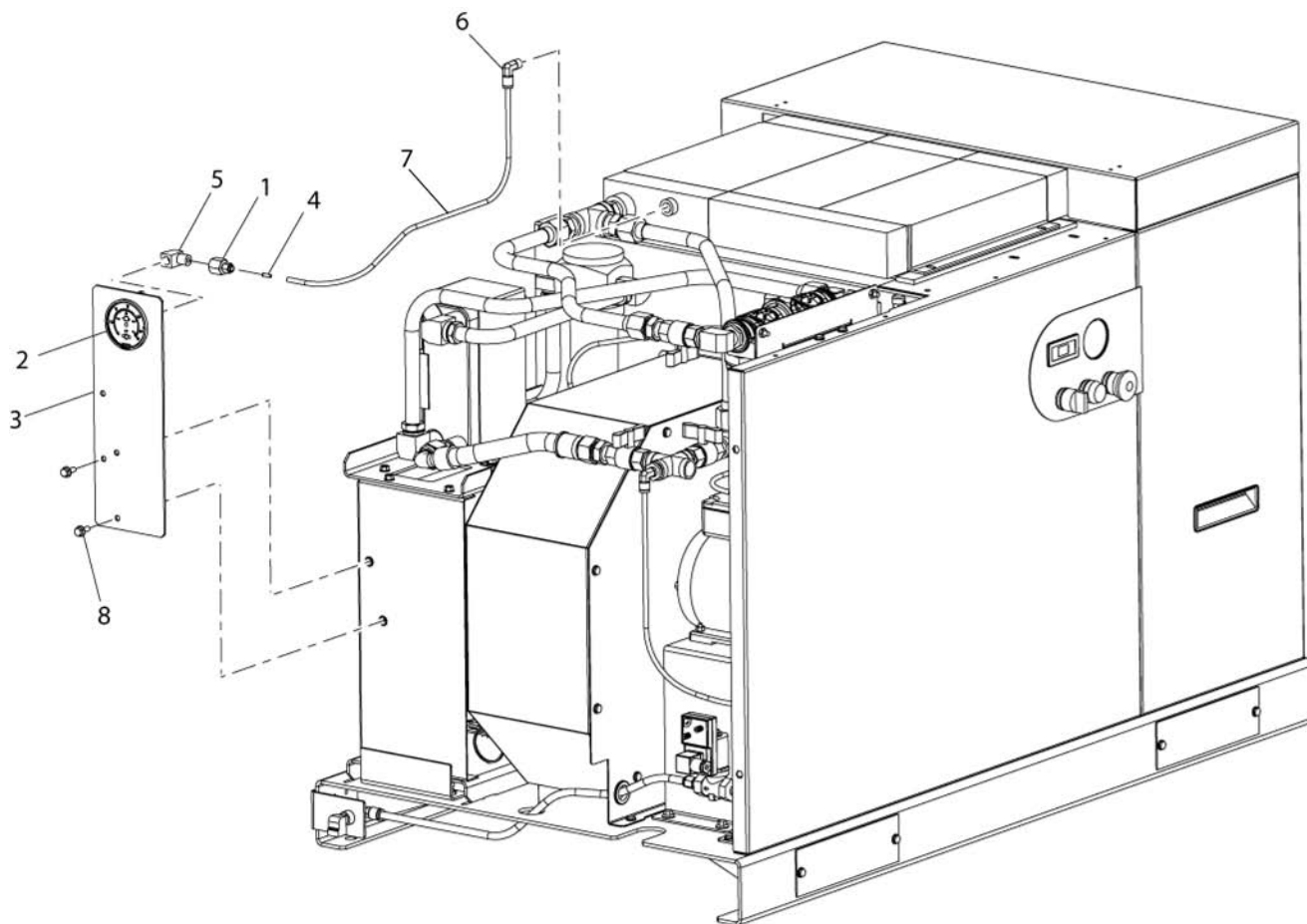
PARTS LIST

Item	Part No.	Description	Qty.
1	22601389	ELBOW, MALE 0.25" NPT x 6 mm TUBE	1
2**	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	3.5 FT.
3	95245361	BUSHING, REDUCER 0.50 NPT x 0.25 FNPT	1

**	NOT SHOWN
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INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Gauge Panel to Dryer Module



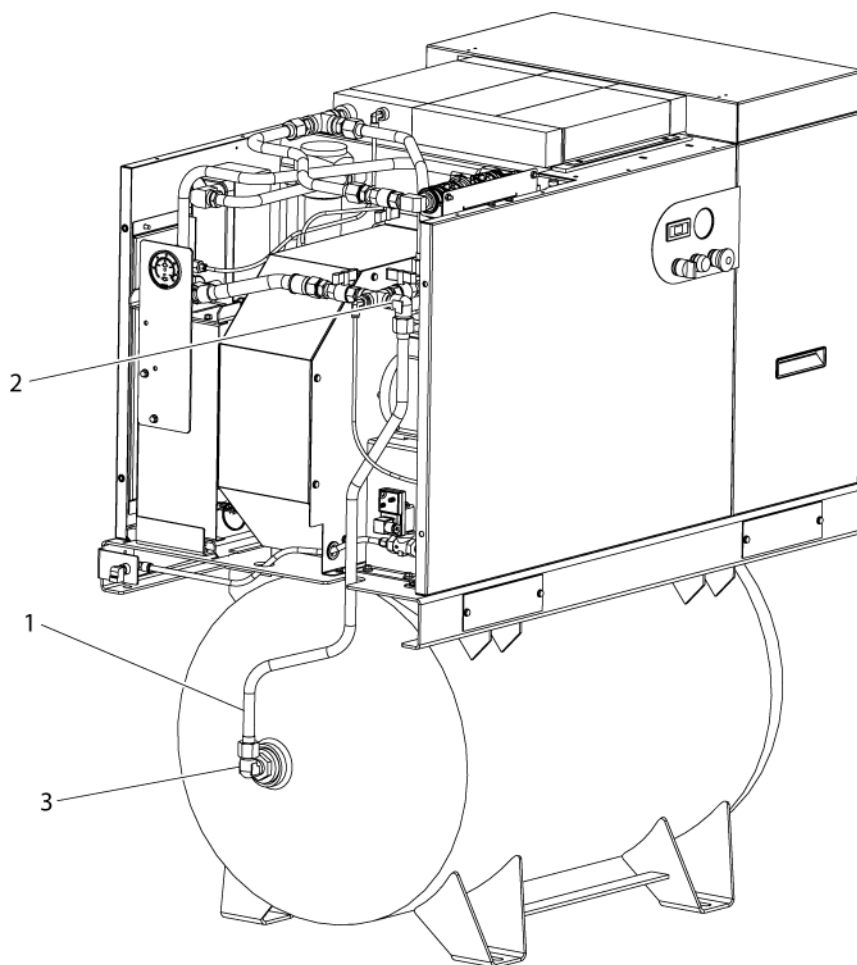
(Dwg. 22562730L21)

PARTS LIST

Item	Part No.	Description	Qty.
1	22420376	CONNECTOR, METRU-LOK 6 mm TUBE x 1/4" FNPT	1
2	22487110	GAUGE, PRESSURE 0 - 400 PSI	1
3	22548713	PANEL, GAUGE	1
4	22770069	INSERT, 6 mm PLASTIC TUBE	1
5	37143542	ELBOW, STREET 1/4 NPT	1
6	54403266	ELBOW, 0.25" BSPT x 6 mm TUBE	1
7	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	2.2 FT.
8	96742689	BOLT, HEX FLANGE M6-1.00 x 16.0 LONG	2

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Package Discharge Tube Assembly



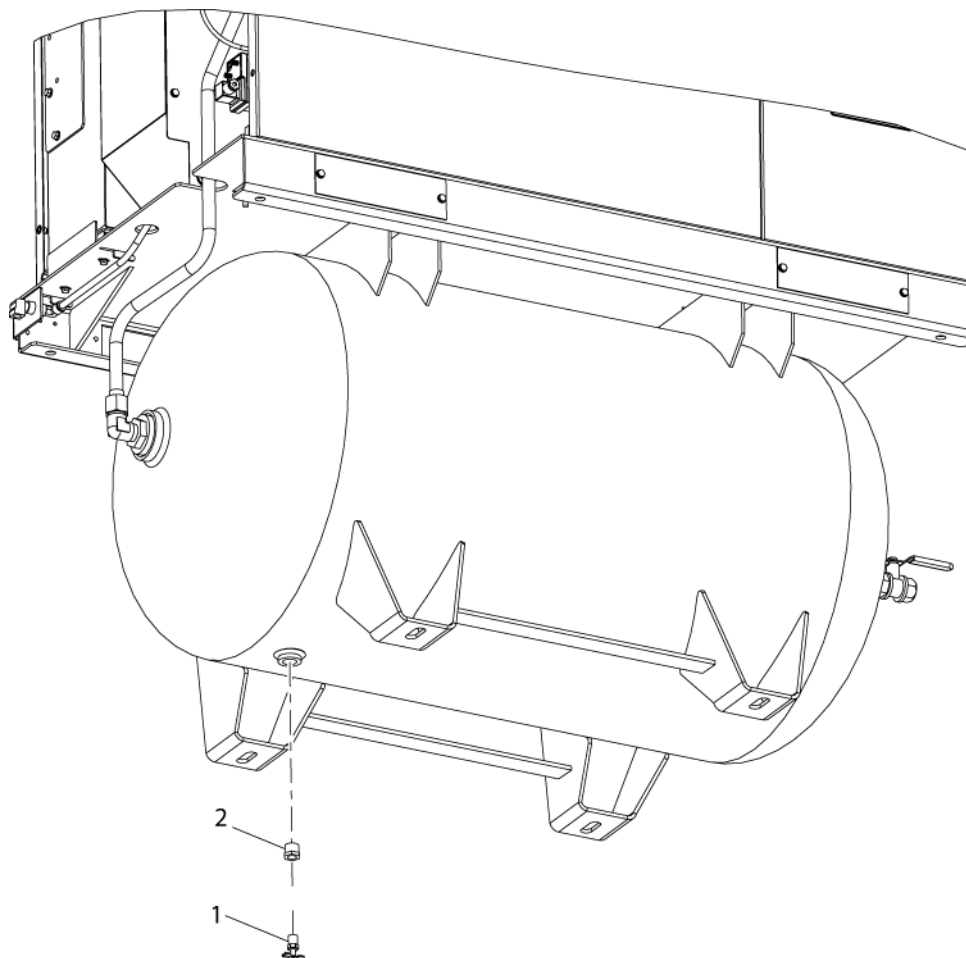
(Dwg. 22562730L22)

PARTS LIST

Item	Part No.	Description	Qty.
1	22535520	TUBE ASSEMBLY 80 GALLON	1
	22535546	TUBE ASSEMBLY 120 GALLON	1
	22535553	TUBE ASSEMBLY 272 LITRE	1
	22535561	TUBE ASSEMBLY 500 LITRE	1
2	95279543	ELBOW, 0.75 TUBE x 0.50 NPT	1
3	95937637	ELBOW 0.75 TUBE x 0.75 NPT	1
	92176692	ELBOW 0.75 TUBE x 0.75 BSPT	1

INTEGRATED DRYER ASSEMBLY DRAWING AND PARTS LIST

Assemble Manual Drain Valve to Receiver

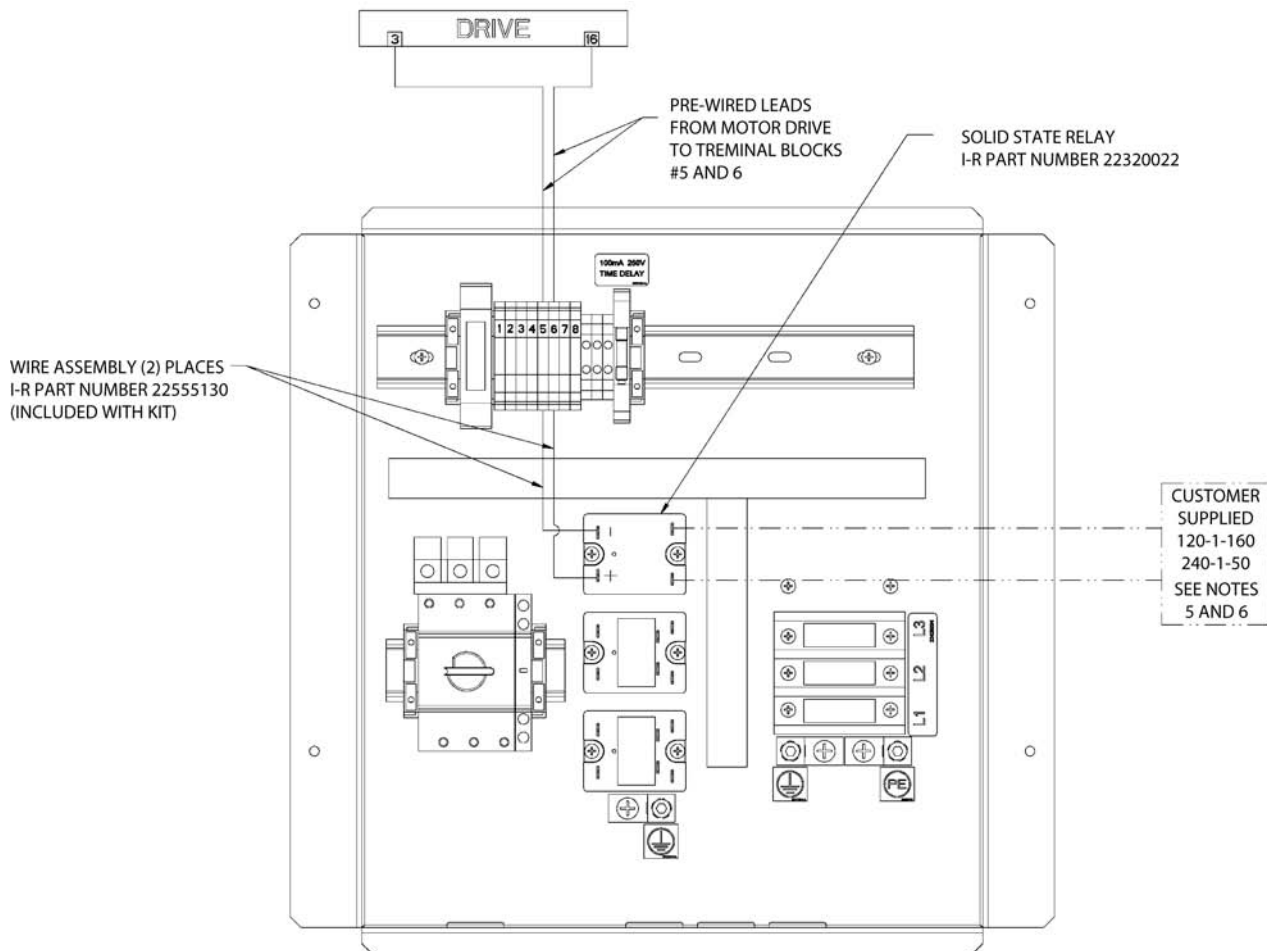


(Dwg. 22562730L23)

PARTS LIST

Item	Part No.	Description	Qty.
1	32027120	VALVE, DRAIN NPT	1
	92258706	VALVE, DRAIN BSPT	1
2	95037412	BUSHING, REDUCER NPT	1
	92354380	BUSHING, REDUCER BSPT	1

REMOTE FAULT IND. OPTION DRAWING

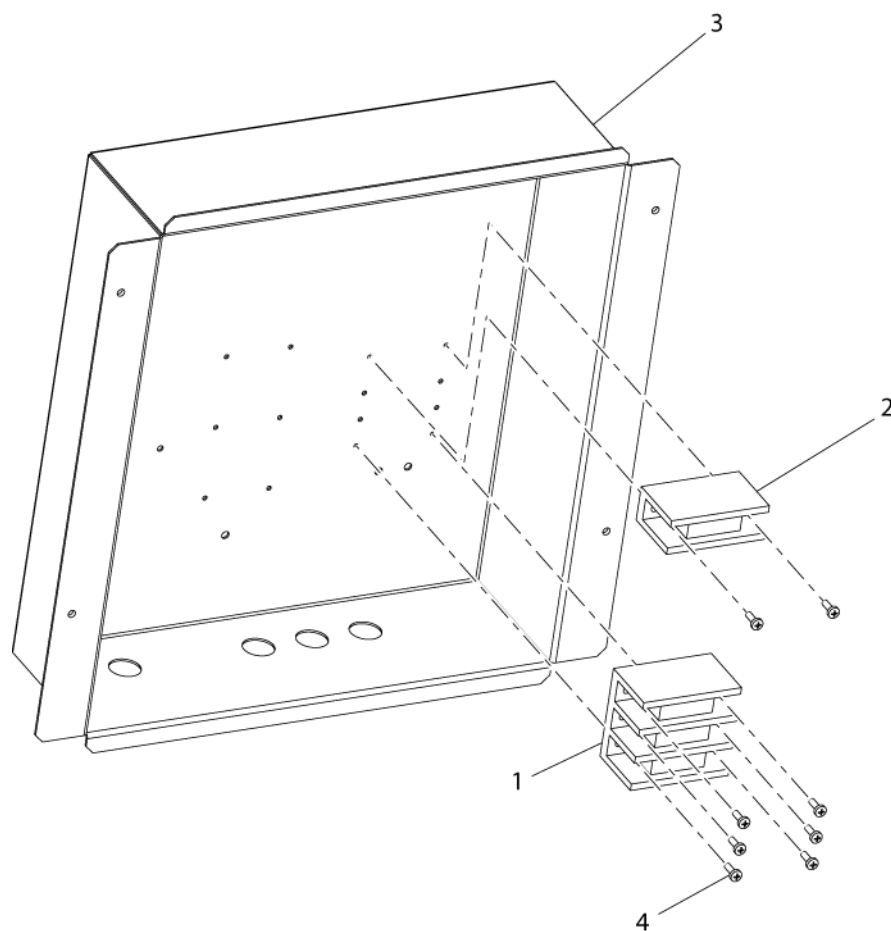


(Dwg. 22580161C1)

1. ELECTRICAL PANEL IS SHOWN WITH ACCESS COVER REMOVED.
2. APPROVED FUSED DISCONNECT OR CIRCUIT BREAKER PER NEC REQUIREMENTS MUST BE PROVIDED BY CUSTOMER.
3. DASHED LINE REPRESENT WIRING BY CUSTOMER.
4. CUSTOMER IS RESPONSIBLE TO PROVIDE POWER TO REMOTE FAULT CIRCUIT.
5. ITEMS TO BE SUPPLIED BY THE CUSTOMER INCLUDES:
LIGHT/HORN, 2 WIRES WITH CONNECTORS, AND FUSES

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Power Block to Electrical Panel



(Dwg. 22884209E2)

PARTS LIST

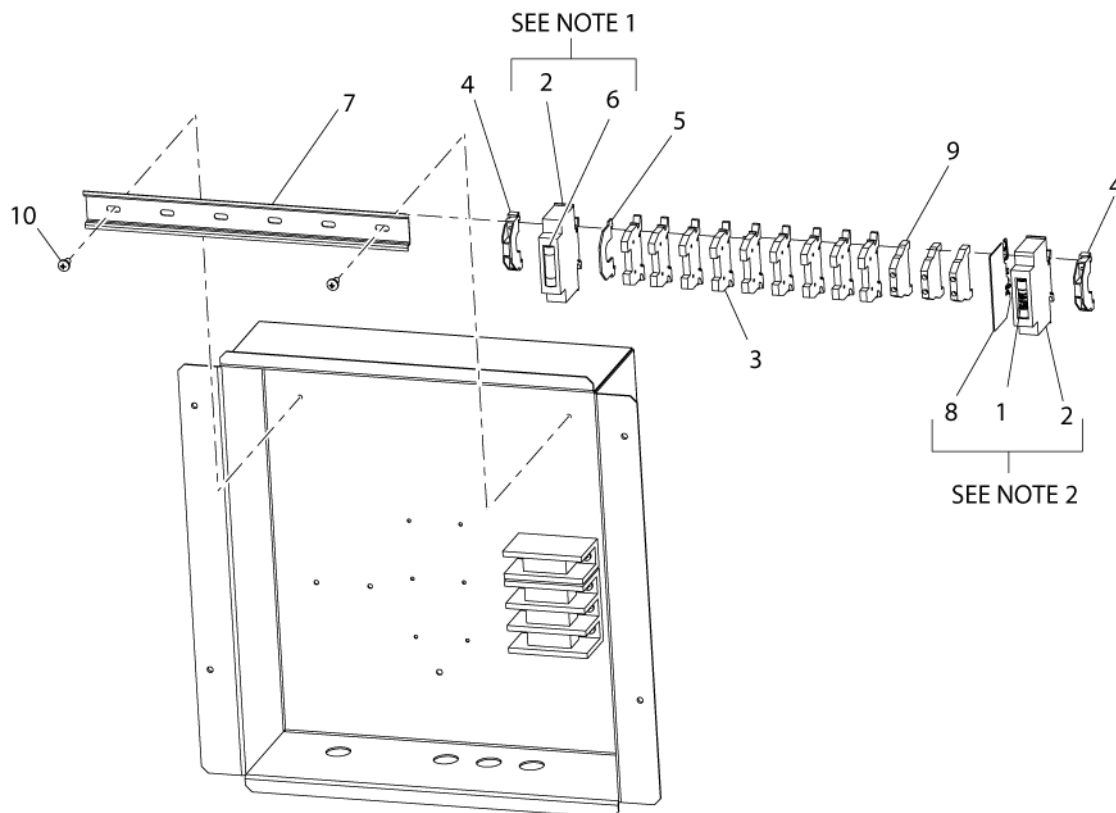
Item	Part No.	Description	Qty.
1	22288237	BLOCK, POWER	1
2	22628416	BLOCK, POWER 1-POLE 600 V	1
3	22867238	PANEL, ELECTRICAL	1
4	96705405	SCREW, M4 x 16 PHILLIPS PAN HD.	8

NOTE:

1-POLE POWER BLOCK IS REQUIRED ONLY FOR 4-WIRE INCOMING POWER SUPPLY PACKAGES FOR SPECIFIC REGIONS OF EUROPE (SEE B.O.M.). SCREWS FOR MOUNTING THE 1-POLE POWER BLOCK ARE REQUIRED REGARDLESS OF WHETHER OR NOT THIS POWER BLOCK IS USED.

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Top Din Rail and Components



(Dwg. 22884209E3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22176960	FUSE, - SEE NOTE 2 .1/4A 600V, CLASS CC	1
2	22477152	HOLDER, FUSE (1-POLE) SEE NOTE 1 AND 2	2
3	22540694	BLOCK, TERMINAL DIN RAIL MOUNTED	9
4	22541064	STOP, DIN RAIL	2
5	22546899	STOP, END BARRIER (DIN RAIL MOUNTED)	1
6	SEE BOM	FUSE, 9A OR 6A - SEE NOTE 1	1
7	22867402	RAIL, DIN 300 mm (11.81") LONG	1
8	23096142	BARRIER, END - SEE NOTE 2	1
9	39252911	BLOCK, TERMINAL GND.	3
10	96738828	SCREW, MACHINE PAN HEAD TYPE H M5 x 10.0 LONG	2

NOTES:

1. FUSE HOLDER AND FUSE ARE REQUIRED FOR DRYER PACKAGES ONLY.

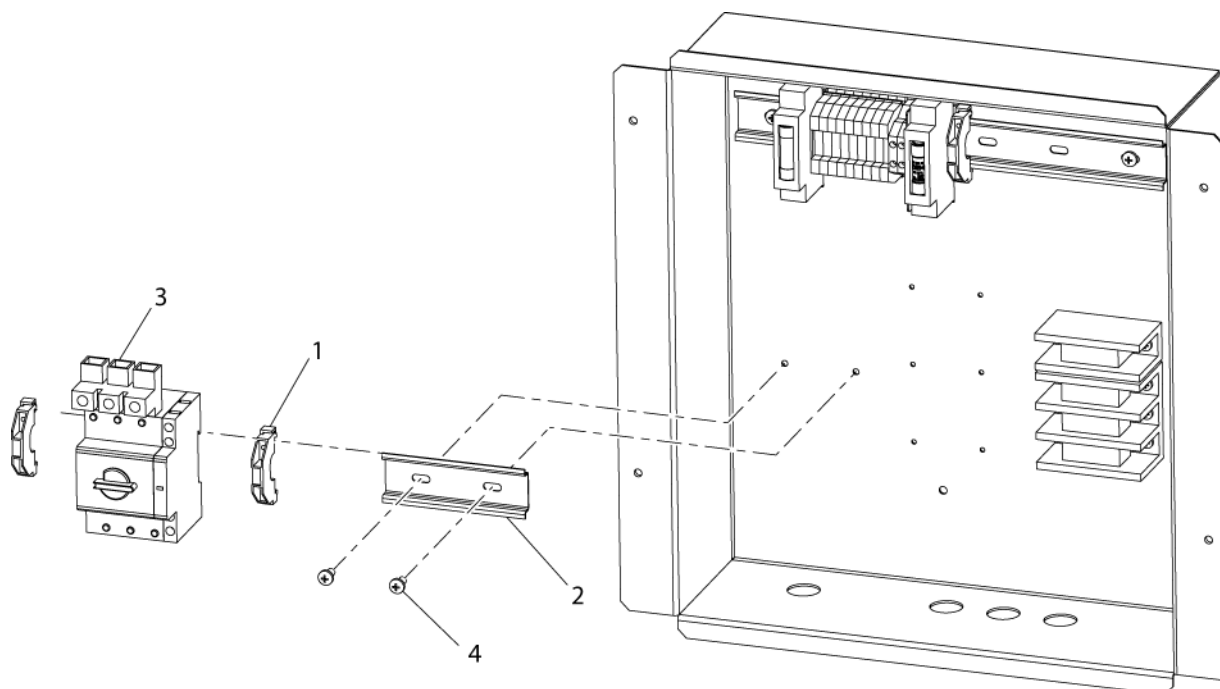
Fuse I.D.	Purpose	Type	Amp	Volts
FU5	PRIMARY	TIME DELAY CLASS CC	9A 60 Hz 6A 50 Hz	600V

2. FUSE HOLDER, END BARRIER AND FUSE ARE REQUIRED FOR ALL PACKAGES SUPPLIED WITH AN ELECTRIC DRAIN VALVE.

Fuse I.D.	Purpose	Type	Amp	Volts
FU6	PRIMARY	TIME DELAY CLASS CC	0.25A	600V

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Bottom Din Rail and Fan Motor Starter



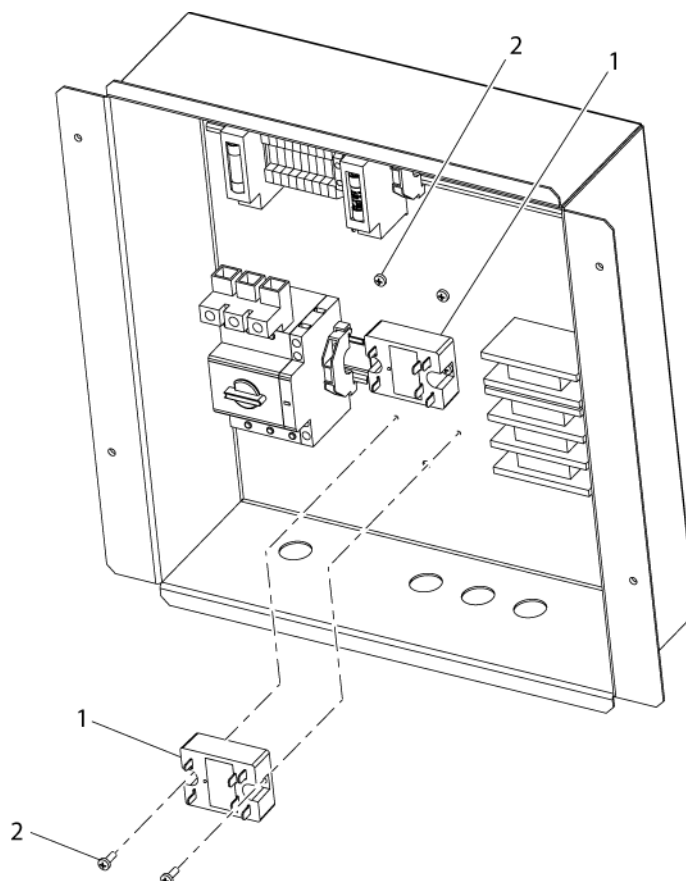
(Dwg. 22884209E4)

PARTS LIST

Item	Part No.	Description	Qty.
1	22541064	STOP, DIN RAIL	2
2	22860043	RAIL, DIN 100 mm (3.94") LONG	1
3	24491730	STARTER, MANUAL MOTOR - 508E 1.6 AMP	1
	24491664	STARTER, MANUAL MOTOR - 508E 2.5 AMP	1
	24491698	STARTER, MANUAL MOTOR - 508E 4 AMP	1
4	96738828	SCREW, MACHINE PAN HEAD TYPE H M5 x 10.0 LONG	2

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Solid State Relays



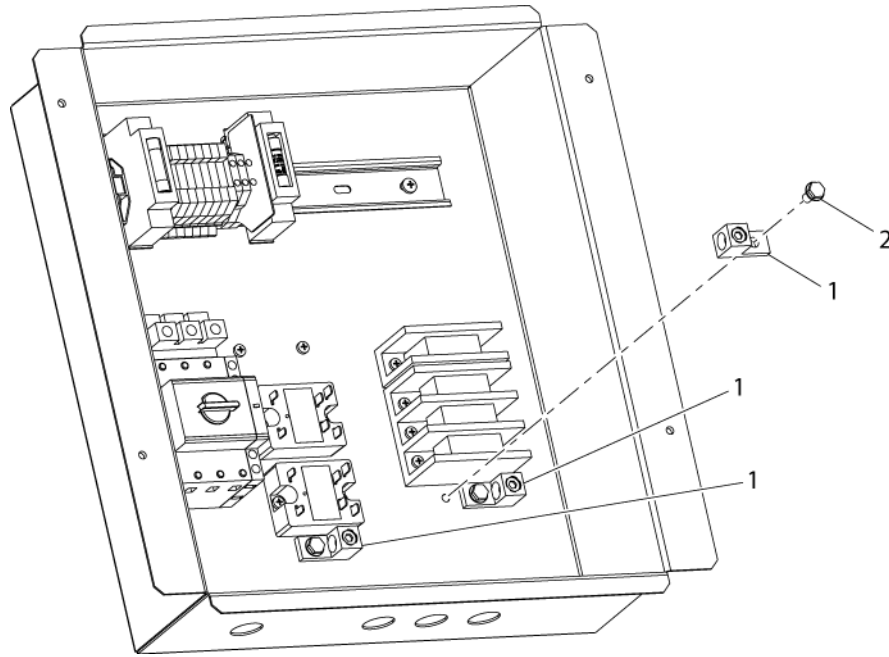
(Dwg. 22884209E5)

PARTS LIST

Item	Part No.	Description	Qty.
1	22320014	RELAY, SOLID STATE	2
2	96705405	SCREW, M4 x 16 PHILLIPS PAN HD.	2

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Grounding Lugs



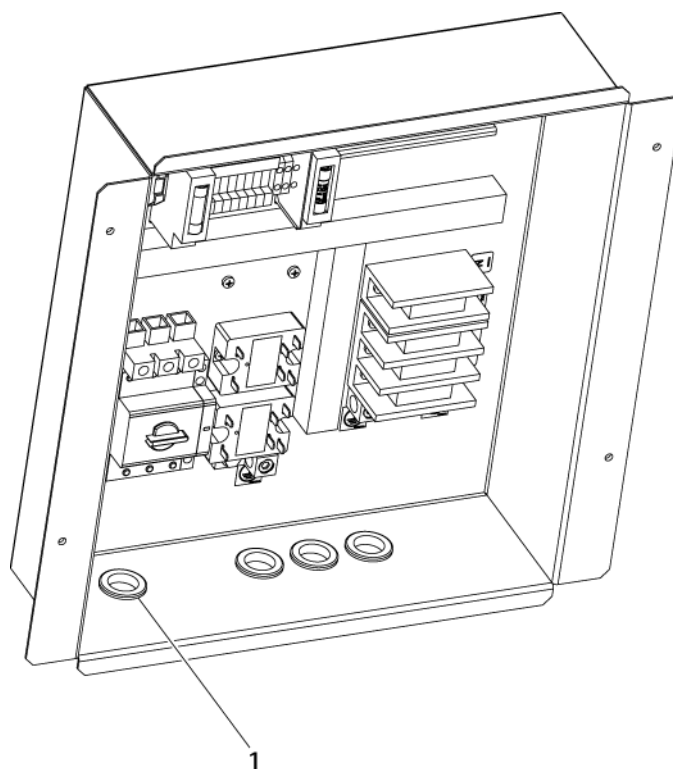
(Dwg. 22884209E6)

PARTS LIST

Item	Part No.	Description	Qty.
1	32342123	LUG, GROUNDING	3
2	92368687	TAPTITE SCREW M6 x 1 x 12 LG	3

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Wire Grommets into Electrical Panel



(Dwg. 22884209E8)

PARTS LIST

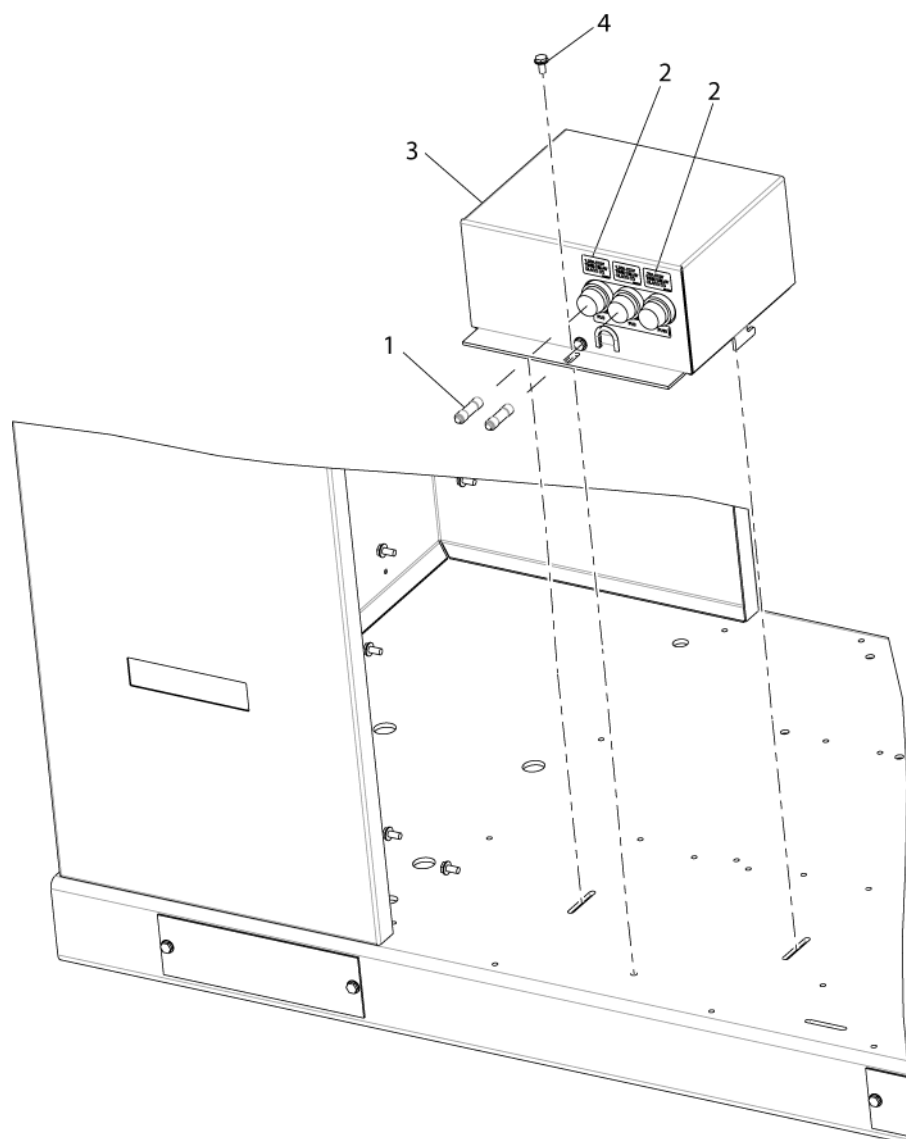
Item	Part No.	Description	Qty.
1	22390132	GROMMET, INSULATION 0.812" I.D. x 1.25" O.D.	4
-	SEE TABLE	ELECTRICAL PANEL	1

ELECTRICAL PANELS LIST

Item	Part No.	Description
-	42631838	ELEC. PANEL 3-WIRE H.V. 50/60HZ NON-TAS BM
	42631846	ELEC. PANEL 3-WIRE H.V. 50/60HZ NON-TAS TM
	42631853	ELEC. PANEL 4-WIRE H.V. 50HZ NON-TAS TM
	42631861	ELEC. PANEL 3-WIRE H.V. 50/60HZ TAS TM/BM
	42631879	ELEC. PANEL 4-WIRE H.V. 50HZ TAS TM/BM
	42631887	ELEC. PANEL 3-WIRE L.V. 60HZ NON-TAS BM
	42631895	ELEC. PANEL 3-WIRE L.V. 60HZ NON-TAS TM
	42631903	ELEC. PANEL 3-WIRE L.V. 50HZ TAS TM/BM
	42631911	ELEC. PANEL 3-WIRE L.V. 60HZ TAS TM/BM
	23752801	ELEC. PANEL 3-WIRE L.V. 50HZ NON-TAS BM
	23752819	ELEC. PANEL 3-WIRE L.V. 50HZ NON-TAS TM

PORO ASSEMBLY DRAWING AND PARTS LIST

Assemble PORO Module to Base



(Dwg. 22886246C2)

PARTS LIST

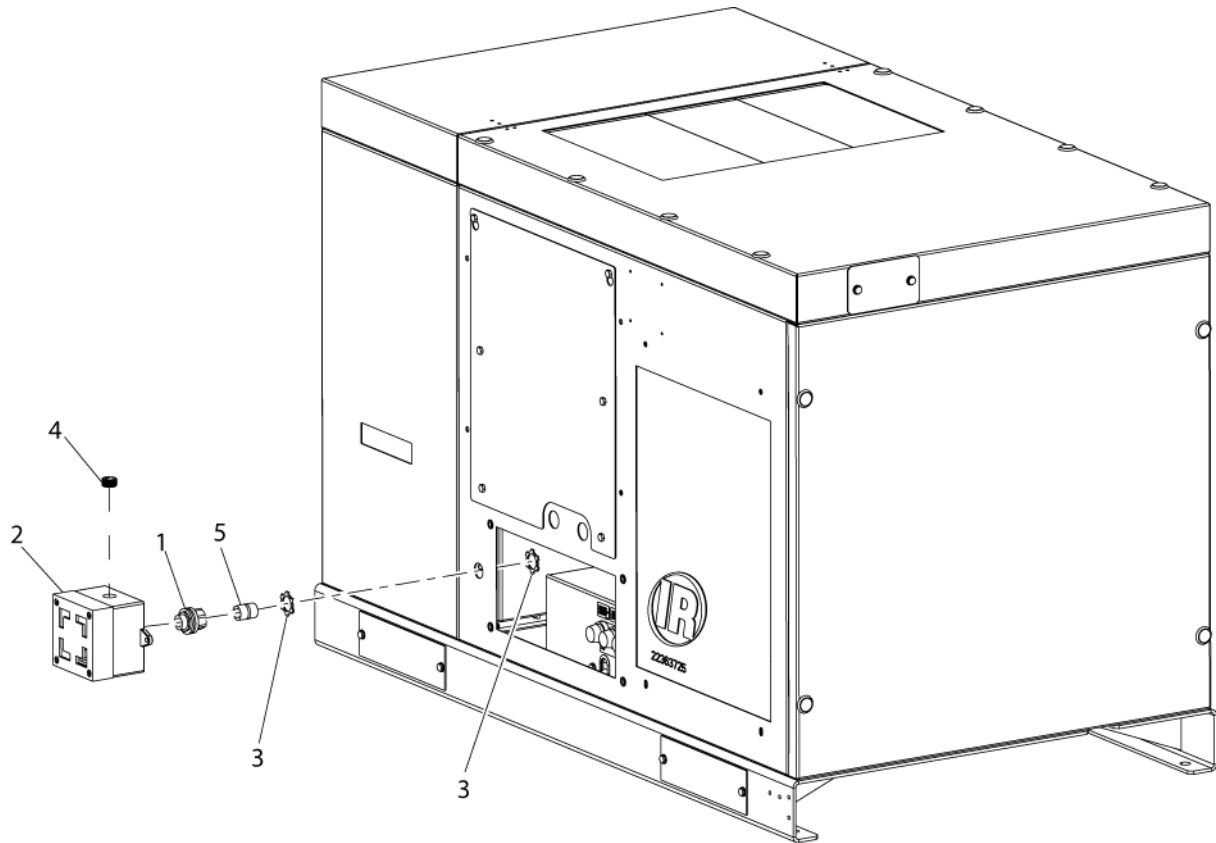
Item	Part No.	Description	Qty.
1	22847602	FUSE, TIME DELAY 200 v	2
	39193289	FUSE, TIME DELAY 230 V	2
	22847610	FUSE, TIME DELAY 400 V	2
	81291601	FUSE, TIME DELAY 460 V	2
2	22847628	DECAL, FUSE REPLACEMENT 200 V	2
	22847636	DECAL, FUSE REPLACEMENT 230 V	2
	22847644	DECAL, FUSE REPLACEMENT 400 V	2
	22847651	DECAL, FUSE REPLACEMENT 460 V	2
3	22877708	ASSY, PORO ELECTRICAL PANEL	1
4	92368687	TAPTITE SCREW M6 x 1 x 12 LG	1

NOTE:

PARTIAL VIEW SHOWN ON THIS SHEET HAS THE BACK PANEL REMOVED FOR CLARITY

PORO ASSEMBLY DRAWING AND PARTS LIST

Assemble PORO Horn

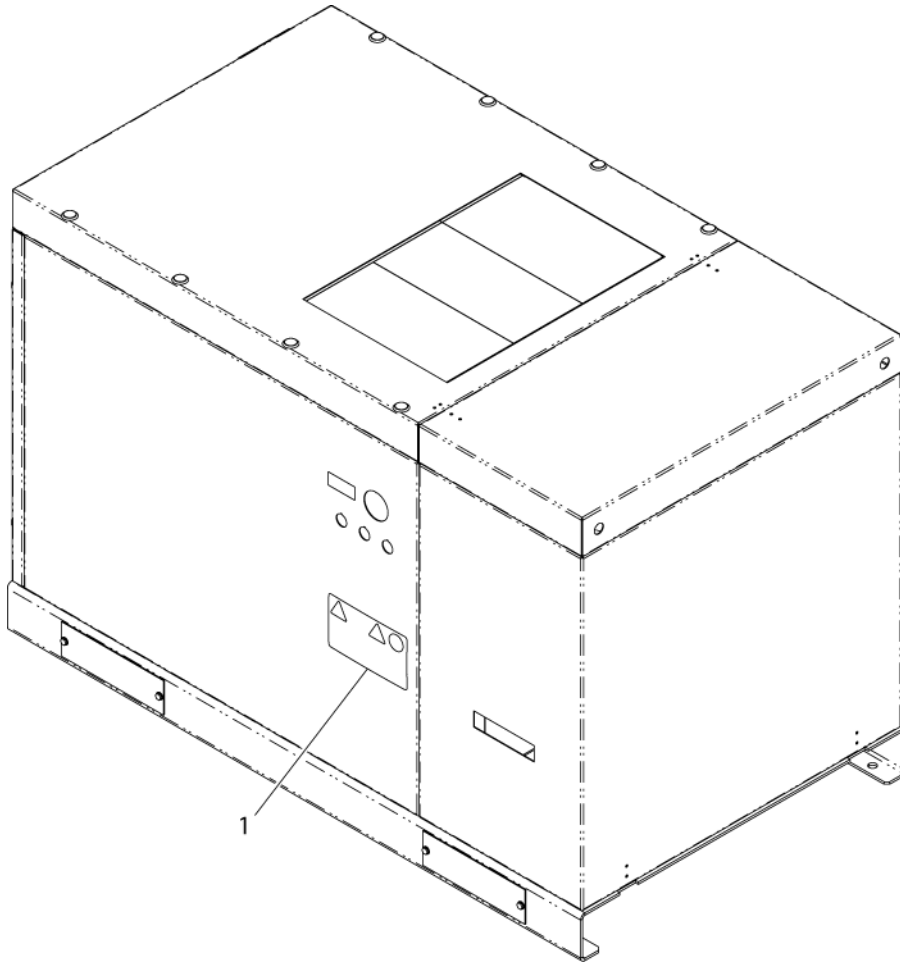


(Dwg. 22886246C3)

PARTS LIST

Item	Part No.	Description	Qty.
1	35275494	HUB	1
2	39100136	MOD ALARM HORN W/WEATHER RESISTANT BACK BOX	1
3	39108949	LOCKNUT, .50 INCH SEALING	2
4	39146733	1/2" HOLE PLUG	1
5	95785192	NIPPLE, EXTRA STRONG 0.50 NPT x 1.13 LONG	1

PORO ASSEMBLY DRAWING AND PARTS LIST

Assemble Decal

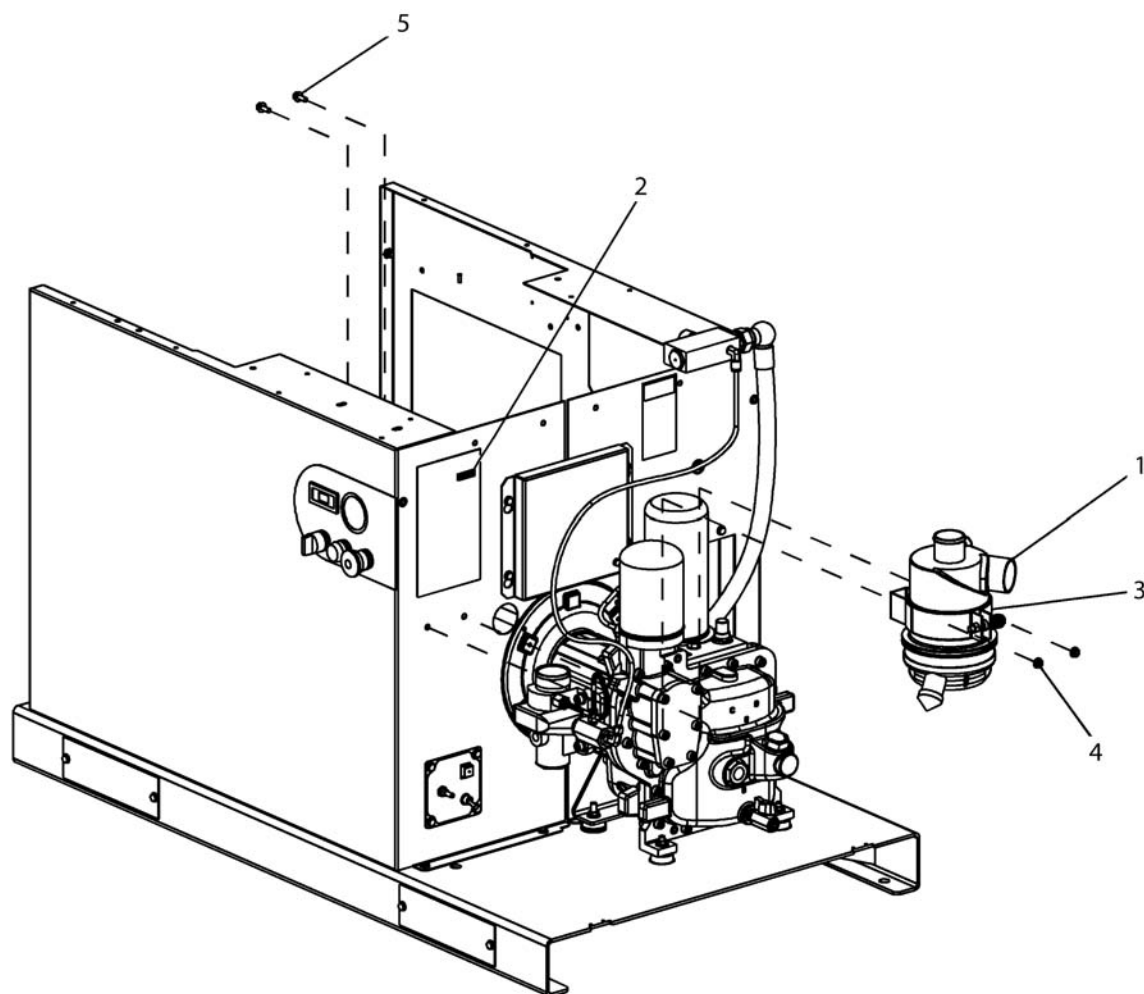
(Dwg. 22886246C4)

PARTS LIST

Item	Part No.	Description	Qty.
1	92978964	DECAL, POWER OUT	1

HIGH DUST FILTER ASSEMBLY DRAWING AND PARTS LIST

Assemble High Dust Filter and Mounting Bracket to Enclosure Panel



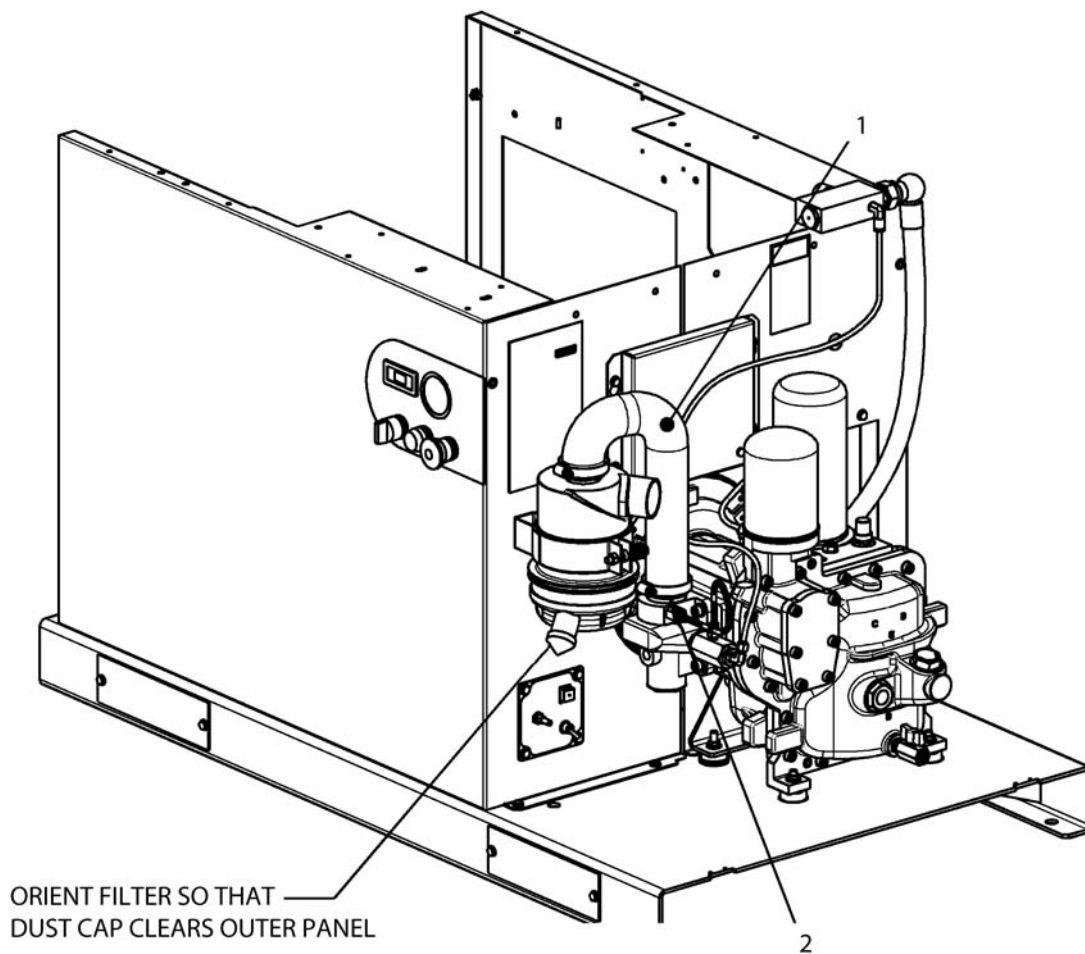
(Dwg. 22928378B2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22737761	FILTER, AIR 54 CFM PLASTIC	1
2	22927636	DECAL, HIGH DUST	1
3	23050727	BRACKET, AIR FILTER, SUPPORT, METAL	1
4	96737564	NUT, HEX FLANGE LOCK SERRATED M6-1.00	2
5	96742689	BOLT, HEX FLANGE M6-1.00 * 16.0 LONG	2

HIGH DUST FILTER ASSEMBLY DRAWING AND PARTS LIST

Assemble Flexible Hose from Filter Canister to Inlet Valve



(Dwg. 22928378B3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22898183	HOSE, INLET, 2" ID, FLEXIBLE	1
2	95235156	CLAMP, HOSE WARM DRIVE STAINLESS STEEL	2

RECOMMENDED PARTS LIST

MAINTENANCE KITS (NO COOLANT)

CCN	DESCRIPTION
24178253	KIT – MAINTENANCE 2000 HR (NON-TAS) (STD. FILTER)
24178261	KIT – MAINTENANCE 2000 HR (NON-TAS)(HD FILTER)
24178279	KIT – MAINTENANCE 2000 HR (TAS) (STD. FILTER)
24178287	KIT – MAINTENANCE 2000 HR (TAS) (HD FILTER)

REPAIR KITS

CCN	DESCRIPTION
22596548	KIT – THERMAL VALVE REBUILD
42595710	KIT – SHAFT SEAL REPAIR
23846264	KIT – INLET VALVE REPAIR

OPTION KITS

CCN	DESCRIPTION
22555122	KIT – REMOTE FAULT INDICATOR
22452619	FILTER – EMC (LOW VOLTAGE)
22489603	KIT – LINE CONDITIONING (HIGH VOLTAGE)
22608491	KIT – SEQUENCING
42659557	KIT – POWER OUTAGE RESTART 200-460V
22923908	KIT – HIGH DUST INLET FILTER

COOLANT CHECK

CCN	DESCRIPTION
88176367	KIT – COOLANT SAMPLE CHECK

SPARE PARTS

CCN	DESCRIPTION
88171913	ELEMENT, AIR FILTER
39329602	FILTER, COOLANT
24121212	CARTRIDGE, SEPARATOR
22363725	PRE FILTER
22546725	SWITCH, ON / OFF
22358154	BUTTON, EMERGENCY STOP
22358501	INDICATOR (GREEN)
22401590	VALVE, SAFETY (PED)
22378665	VALVE, SAFETY (ASME)
88342993	ELEMENT, FILTER IRGP64
88343025	ELEMENT, FILTER IRHE64
24241952	ELEMENT, (FA101)(F-CAST SERIES)
85565588	ELEMENT, (DH F1081 GX)(ELIMINATOR SERIES)
24241960	ELEMENT, (FA101)(F-CAST SERIES)
85565596	ELEMENT, (DH F1081 HX)(ELIMINATOR SERIES)

RECOMMENDED PARTS LIST

COOLANT			
SIZE	ULTRA	ULTRA EL	ULTRA FG (FOOD GRADE)
1 LITER	92837095	24161119	-
5 LITER	92692284	24061608	23973969
15 LITER	-	24061624	-
20 LITER	38459582	-	23973977

INTELLIKEY KITS	
CCN	DESCRIPTION
USA	
22974570	KIT, INTELLIKEY (IRN-7-115-LV / IRN-7TAS-100-LV)
22974588	KIT, INTELLIKEY (IRN-7-115-HV / IRN-7TAS-100-HV)
22974596	KIT, INTELLIKEY (IRN-7-150-LV / IRN-7TAS-130-LV)
22974604	KIT, INTELLIKEY (IRN-7-150-HV / IRN-7TAS-130-HV)
22974612	KIT, INTELLIKEY (IRN-10-115-LV / IRN-10TAS-100-LV)
22974620	KIT, INTELLIKEY (IRN-10-115-HV / IRN-10TAS-100-HV)
22974638	KIT, INTELLIKEY (IRN-10-150-LV / IRN-10TAS-130-LV)
22974646	KIT, INTELLIKEY (IRN-10-150-HV / IRN-10TAS-130-HV)
22974653	KIT, INTELLIKEY (IRN-10-200-HV / IRN-10TAS-175-HV)
22974661	KIT, INTELLIKEY (IRN-15-115-LV / IRN-15TAS-100-LV)
22974679	KIT, INTELLIKEY (IRN-15-115-HV / IRN-15TAS-100-HV)
22974687	KIT, INTELLIKEY (IRN-15-150-LV / IRN-15TAS-130-LV)
22974695	KIT, INTELLIKEY (IRN-15-150-HV / IRN-15TAS-130-HV)
22974703	KIT, INTELLIKEY (IRN-15-200-LV / IRN-15TAS-175-LV)
ESA	
22974711	KIT, INTELLIKEY (IRN-5-8-LV / IRN-5TAS-7-LV)
22974729	KIT, INTELLIKEY (IRN-5-8-HV / IRN-5TAS-7-HV)
22974737	KIT, INTELLIKEY (IRN-5-10-LV / IRN-5TAS-9-LV)
22974745	KIT, INTELLIKEY (IRN-5-10-HV / IRN-5TAS-9-HV)
22974752	KIT, INTELLIKEY (IRN-7-8-LV / IRN-7TAS-7-LV)
22974760	KIT, INTELLIKEY (IRN-7-8-HV / IRN-7TAS-7-HV)
22974778	KIT, INTELLIKEY (IRN-7-10-LV / IRN-7TAS-9-LV)
22974786	KIT, INTELLIKEY (IRN-7-10-HV / IRN-7TAS-9-HV)
22974794	KIT, INTELLIKEY (IRN-7-14-HV / IRN-7TAS-12-HV)
22974802	KIT, INTELLIKEY (IRN-11-8-LV / IRN-11TAS-7-LV)
22974810	KIT, INTELLIKEY (IRN-11-8-HV / IRN-11TAS-7-HV)
22974836	KIT, INTELLIKEY (IRN-11-10-LV / IRN-11TAS-9-LV)
22974844	KIT, INTELLIKEY (IRN-11-10-HV / IRN-11TAS-9-HV)
22974851	KIT, INTELLIKEY (IRN-11-14-HV / IRN-11TAS-12-HV)

DRIVE KITS	
CCN	DESCRIPTION
22975718	DRIVE, SHIPPABLE LV
22975726	DRIVE, SHIPPABLE HV

STATOR / DRIVE KITS	
CCN	DESCRIPTION
22975528	STATOR / DRIVE, (SHIPPABLE) 1-15 hp/5-11 kW LV
22975536	STATOR / DRIVE, (SHIPPABLE) 1-15 HP/5-11 kW HV
22975643	KIT, STATOR

LV = 200 – 230V, HV = 380 – 460V



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