Instructions-Parts

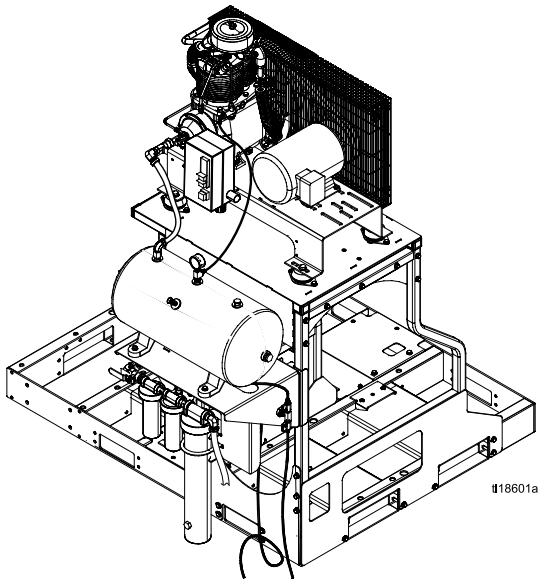
Air Compressor Kit

3A1902C
EN

Air compressor and receiver tank for Reactor® E-30i and E-XP2i integrated plural component proportioning systems. For professional outdoor use only. Not for use in explosive atmospheres.

Important Safety Instructions
Read all warnings and instructions in this manual. **Save these instructions.**

24K335



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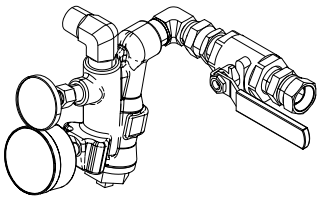
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Install Air Compressor

Reference parts illustration, Parts, page 7 .

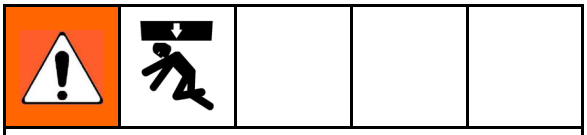
1. Remove the battery bracket and fuel tank. See system repair manual for instructions.
2. Turn the B side y-strainer inlet on the Reactor as shown.



NOTICE

Be careful to not damage engine components.

3. Loosely assemble the front bracket (2) to pallet using two screws (10).
4. Install the side support gusset (5) to the pallet with four screws (10) and nuts (11) as shown. Do not tighten the screws.
5. Install the rear bracket (1) on the pallet with five screws (9) and nuts (11). Do not tighten the screws.
6. Install the six screws (10) and nuts (11) through the top of the support gusset (5). Do not tighten the screws.
7. Assemble the top plate assembly (3) to frame with 14 screws (9) and nuts (11). Do not tighten the screws.
8. Lift side of gusset (5) to ensure top plate (3) is level before tightening. Tighten all screws and nuts.
9. Install four isolators (8) with screws (10) on top plate assembly (3).



Use lifting device to prevent personal injury when lifting the compressor. Do not overlap lifting straps over tubing or other fragile components.

10. Lift the air compressor (7) onto the isolators (8). Secure the air compressor to the isolators with four screws (28), washers (29).
11. Install elbow adapter (13) in air compressor outlet.
12. Remove plug and install elbow fitting (41) on compressor pilot valve (see parts illustration).
13. Remove compression nut cap and install compression nut fitting (37). Tighten finger tight only.
14. Install end caps (32).

Install Air Tank

Reference parts illustration, Parts, page 8.

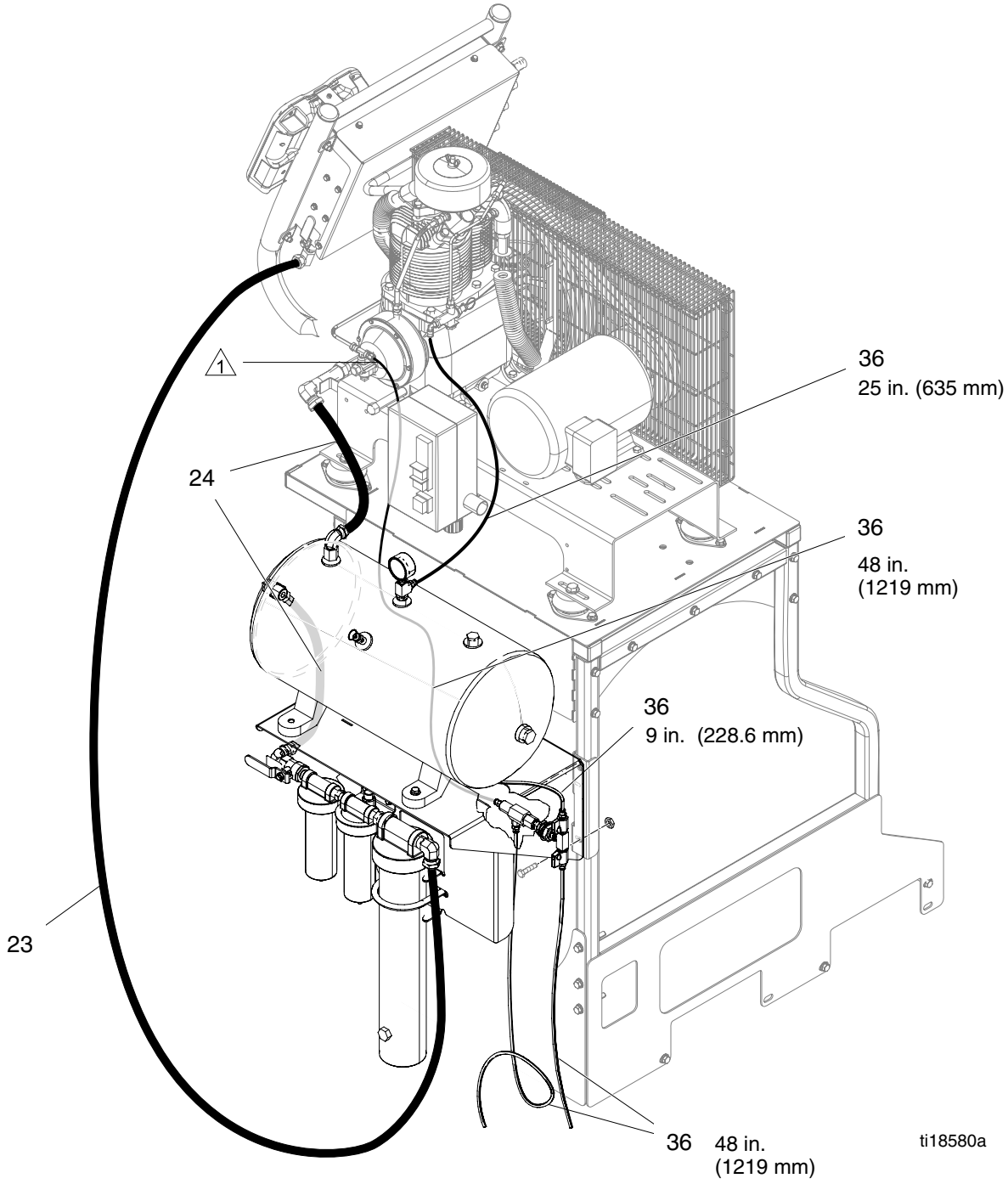
1. Connect nipple (26), water drain valve (16), connector (15), and connector (31) to bulkhead (30). Apply PTFE sealant on threads.
2. Install bulk head assembly to bracket wall (6).
3. Install bushing (47), tee (48), two ball valves (17), and two connectors (15) to bulkhead (30). Apply PTFE sealant on threads.
4. Install connector elbow (41) to bottom of tank (4).
5. Remove desiccant housing and fill with all desiccant pellets provided. See Desiccant Air Drying System manual 309921.
6. Connect air dryer assembly (33) to bracket (6) with screws (39), nuts (40), and clamp (38).
7. Mount tank (4) on bracket (6) with screws (12) and nuts (11). Mount bracket assembly to the compressor frame with three screws (9), one screw (10), and four nuts (11).

Connect Air Lines

Reference Fig. 1, page 4.

1. Cut tube (36) to the following lengths (see next page):
   a. Three – 48 in (1219 mm)
   b. 9 in. (228.6 mm)
   c. 25 in. (635 mm)
2. Push one end of a 48 in. (1219 mm) section fully into compression fitting (37). Tighten 3/4 turn past finger tight.
3. Push all tubing sections fully into push-to-connect fittings as shown.
4. Connect air hoses (23) and (24) as shown.

Connect all air hoses as shown.



Air Hose Connections
Figure 1

1 Tighten compression nut 3/4 turn past finger tight.

Connect Power Cable

Note

Reference wiring diagram. See Fig. 4, page 6.

1. Turn off the 120/240 VAC alternator circuit breaker (CB10).

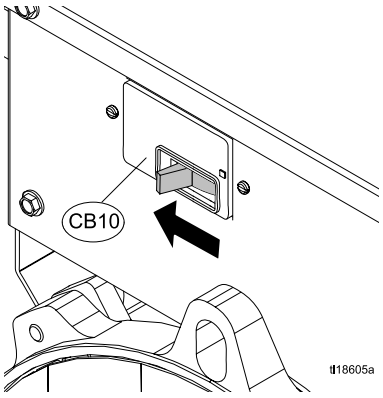


Figure 2

2. Loosen screw, below the air compressor electrical enclosure (E), 1/4 turn until the cover is loose. Remove cover.
3. Discard washer on the cord grip (35). Install cord grip up through the bottom of the enclosure knockout. Tighten cord grip mounting nut inside the enclosure.
4. Loosen the outside nut on the cord grip (35). Insert the end of the power cable (34) with shorter strip lengths through the cord grip.
5. Connect the black wire to terminal 1/L1 and the white wire to 3/L2.
6. Loosen ground screw and connect ground wire with existing ground wire.
7. Tighten the bottom nut on the cord grip (35).
8. Replace cover. See Fig. 4, page 5.
9. Loosen the bolts and remove the back panel of the Reactor electrical enclosure.
10. Use a screw driver to punch out a knockout.
11. Discard washer from cord grip (35). Install cord grip through back panel.
12. Loosen the nut on the cord grip (35). Insert the free end of the power cord (34) through the cord grip.
13. Connect the black and white wire to CB04, see Fig. 4, page 5. Connect the green wire to the ground bus bar, GB02 inside the Reactor electrical enclosure.
14. Tighten nut on the cord grip (35).
15. Turn CB04 on. See Fig. 4, page 5.
16. Turn on the 120/240 VAC alternator circuit breaker (CB10).

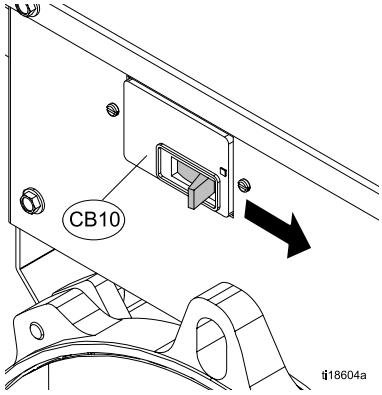
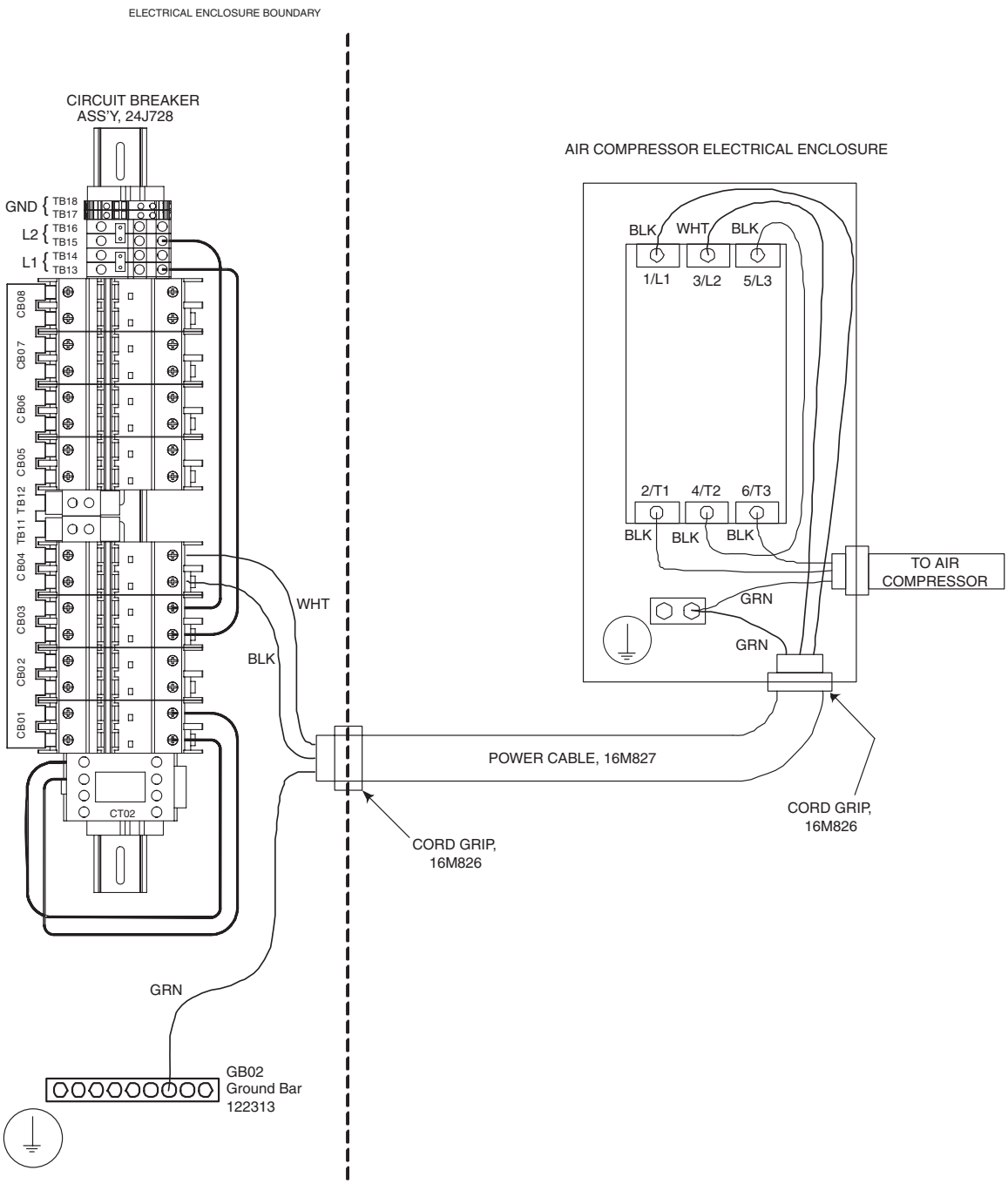


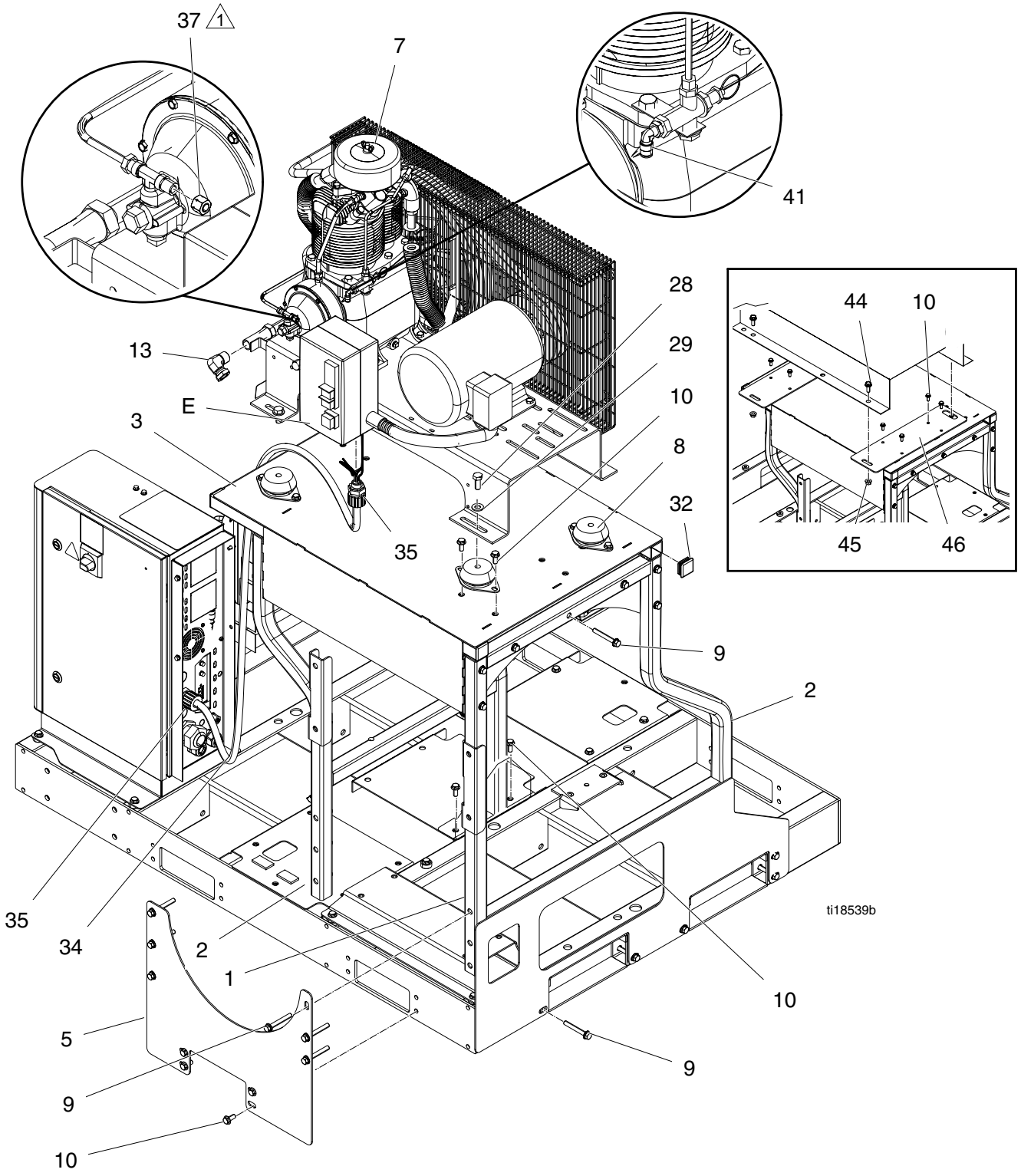
Figure 3



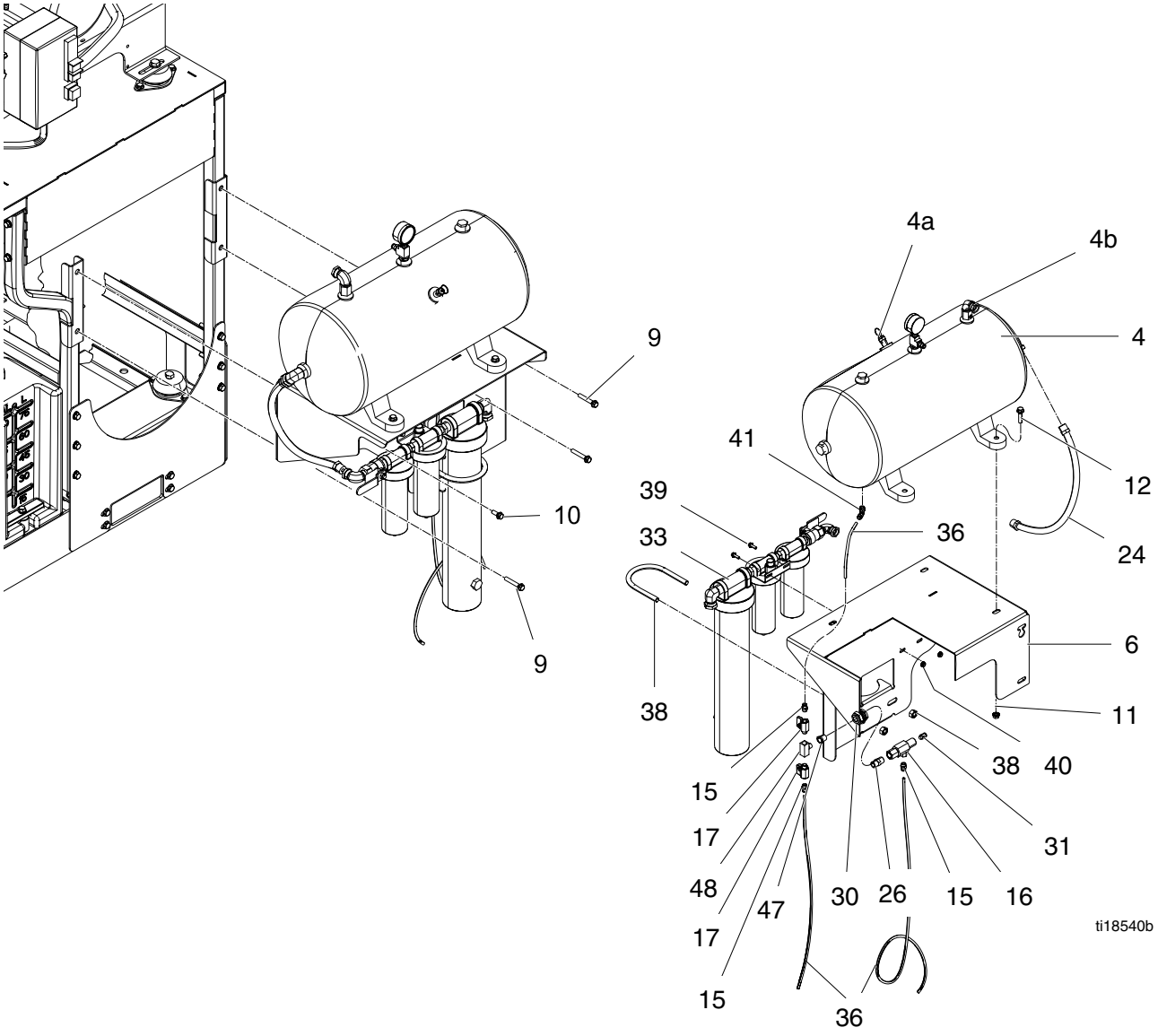
Air Compressor Wiring Diagram
Figure 4

Parts

24K335, Complete Air Compressor Kit



Apply anaerobic sealant to all non-swivel pipe threads.



Apply anaerobic sealant to all non-swivel pipe threads.

Ref	Part	Description	Qty
1*	24M147	RACK, compressor, rear	1
2*	24M146	RACK, compressor, front	1
3*	24M145	RACK, compressor, top	1
4	24M125	TANK, ASM, 12 gal, air receiver (includes 4a and 4b)	1
4a	125967	VALVE, safety relief, 200 psi (1.4 MPa, 14 bar)	1
4b	16N185	VALVE, check, 1/2 m x f	1
5*	16K133	GUSSET, compressor, support, side	1
6*	24M150	BRACKET, air tank/dryer	1
7	125970	COMPRESSOR, air, 5 HP	1
8	125165	KIT, isolator (4 pack)	4
9*	121488	SCREW, hex hd, flanged; 2.75 in. (70 mm), 3/8–16	28
10*	111192	SCREW, cap flange hd; .875 in. (22 mm), 3/8–16	15
11*	112958	NUT, hex, flanged; 3/8–16	4
12	112785	SCREW, hex hd, flanged; 1.5 in. (38 mm), 3/8–16	4
13	120375	ADAPTER, elbow, 3/4–14 NPT (f)X 1/2–14 NPS (m)	1
15	125428	CONNECTOR, male, 1/4 NPT (f)	3
16	125991	VALVE, drain, automatic	1
17	15B565	VALVE, ball	2
23	214656	HOSE, coupled, 61209,10 ft (3 m)	1
24	218093	HOSE, coupled; 1/2–14 NPT	2
26	297436	STRAIGHT, nipple, hex. 3/8	1
28	105324	SCREW, cap, hex hd; 1.18 in. (30 mm), M12 x 1.75	4
29	109570	WASHER, plain	4
30	16N177	BULKHEAD, brass, 3/8	1
31	115671	CONNECTOR, male; 1/4 OD x 1/8 NPT (f)	1
32*	111218	CAP, tube, square	4
33	24M636	SYSTEM, desiccant air dryer; see manual 309921	1
34	16M827	HARNESS, wire, 3 pole, 8/3	1
35	16M826	CORD, grip, 3/4 in.	2
36	24M675	KIT, tube, nylon, rd; 1/4 in. OD, 16 ft (4.8 m)	1
37	16M960	NUT, compression, with sleeve; 1/4 OD	1
38	126017	BOLT, U, 1/2-13, 4 OD pipe	1
39	113796	SCREW, flanged, hex hd; 0.75 in. (19 mm), 1/4–20	2
40	115942	NUT, hex, flange head; 1/4–20	2
41	114109	ELBOW, male, swivel; 1/4 OD, 1/4 NPT (f)	2
44* ★	111195	SCREW, cap, flange hd; 1.25 in. (31.75 mm), 1/2–13	4
45* ★	112731	NUT, hex, flanged; 1/2–13	2
46* ★	16N165	PLATE, compressor, adapter	2
47	126109	FITTING, bushing adapter, 3/8–18 NPT (m) x 1/4–18 NPT (f)	1
48	126110	FITTING, tee, male branch, 1/4–18 NPT	1

* *Included in Compressor Frame Kit 24M258.*

★ *Parts for adapting to the mounting feet of the optional Quincy PTL5–5B air compressor.*

See Fig. 1, page 3 for Air Hose Connections.

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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