

# INSTALLATION INSTRUCTIONS FOR MODEL H00850M

IMPORTANT: REVIEW ALL INSTRUCTIONS, PARTS LISTS, & INSTALLATION DIAGRAMS BEFORE STARTING INSTALLATION

## TANK ASSEMBLY

1. Select mounting location for air tank (item#12) keeping in mind the orientation of the tank and visibility of the air gage. (See Figure 1 for sample installation)
2. Thread a brass tee (item#2) into either tank outlet, keep in mind the locations for the attaching parts. Next, thread the shut off valve (item#1) into the brass tee. Then, thread a brass fitting (item#3) into the shut off valve. In the remaining outlet in the brass tee, thread a brass fitting (item#3).
3. Thread another brass tee fitting (item#2) into remaining tank outlet. Thread the pressure gage (item#7) and pressure switch (item#8) into the tee.

**CAUTION:** Tighten pressure switch and pressure gage on brass hex body only.

4. To mount tank drill (2) 11/32 in. diameter holes spaced 4 in. apart in a rigid surface. Insert tank studs through the holes and secure with locknuts (item#11).

## COMPRESSOR ASSEMBLY

1. As shown in figure 2, slide the (2) grommets (item#16) into slots. Next push the (2) brass eyelets (item#15) into the grommets. Pull the (4) bumpers (item#18) through the (4) round holes on the bracket.
2. Clamp compressor head and install brass fitting (item#3) into air outlet as shown in figure 1.
3. Mount compressor on rigid support. Do not mount on fender well, firewall or other flexible material. Locate compressor in area with good air flow and away from road surface to avoid excessive water and dirt conditions.
4. Mounting requires (2) holes spaced 2 3/16 in. apart, each having a diameter of 7/32 in.
5. To mount compressor, insert 10-32 bolt (item#14) through the brass eyelet and through the 7/32 in. hole. Secure with the 10-32 nut (item#17) as shown in figure 2. **Do not overtighten mounting bolts.**
6. Connect nylon tubing (item#6) from air outlet fitting to brass fitting on the tank as shown in figure 1.

## ELECTRICAL ASSEMBLY

1. As shown in figure 1 connect orange (+) wire from compressor motor to either pressure switch terminal.
2. Connect fuse holder (item#13) to the other pressure switch terminal.
3. Install other end of fuse holder to "ignition activated" accessory terminal in fuse panel.
4. Attach motor's black wire (-) to metal ground.

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**NOTE:** Compressor starts automatically when pressure drops below 110 psi. If more than 4 minutes are required to pump tank to full pressure (110-135 psi) with engine running and compressor does not shut off, check all connections with soapy water or bubble solution for leaks. Use thread sealant on all uncoated pipe threads. Maximum cycle time 7 minutes with 30 minute cool down.

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**CAUTION:** Check local noise abatement ordinances to avoid legal violations.

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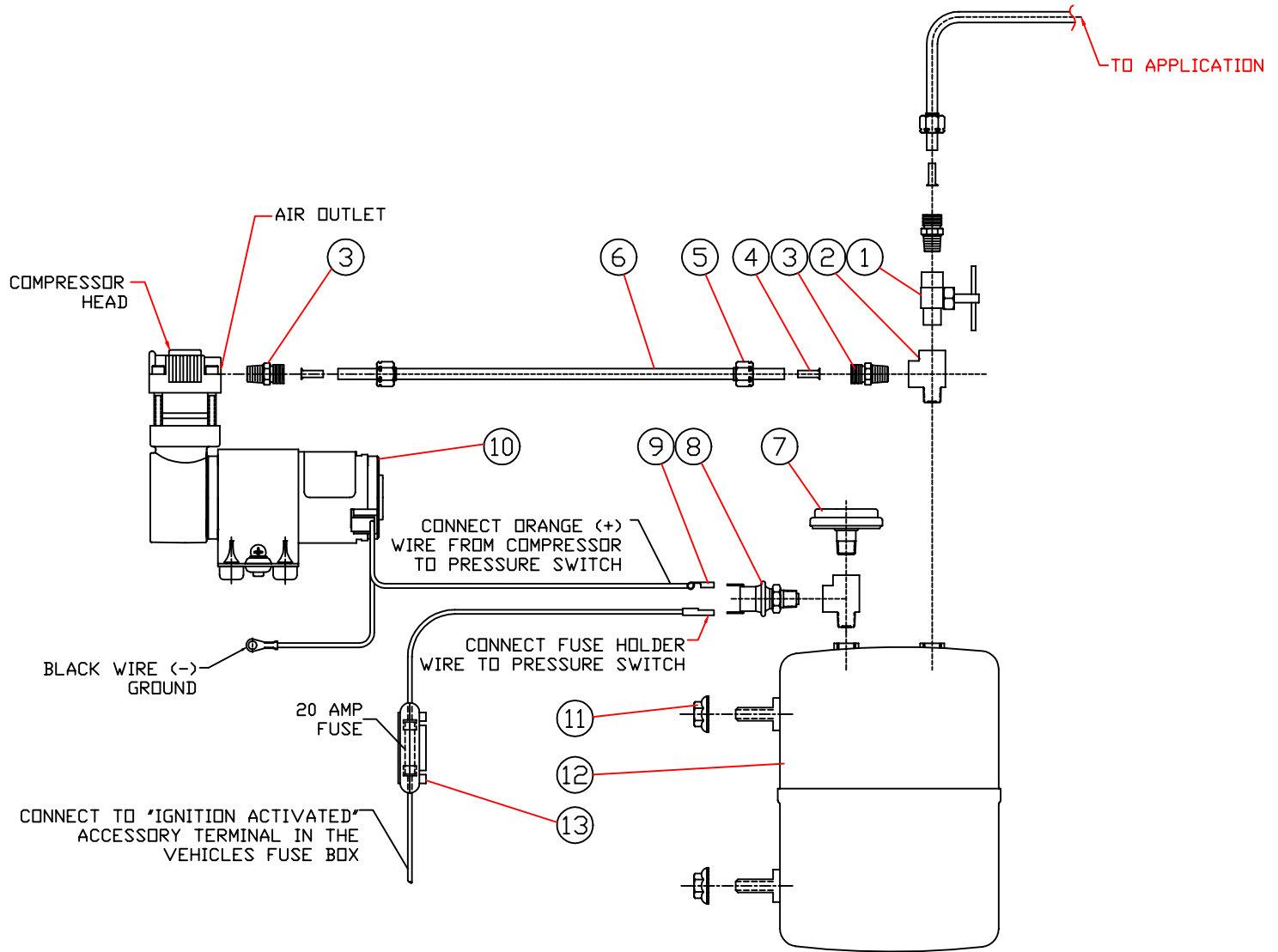


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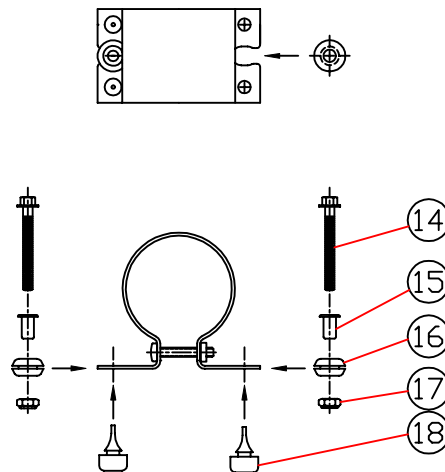
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# INSTALLATION DIAGRAM

## FIGURE 1

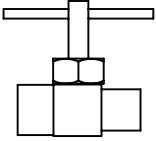
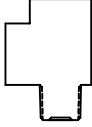



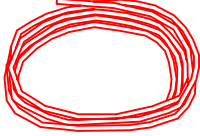
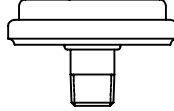
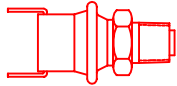

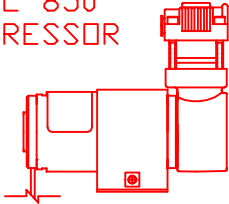

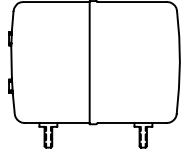
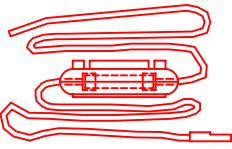






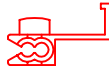



## FIGURE 2 BRACKET ASSEMBLY



# PARTS LIST

## FOR MODEL 850M

<p>(1)-QUANTITY SHUT OFF H14097</p>  <p>①</p>	<p>(2)-QUANTITY BRASS TEE 1/8 H14654</p>  <p>②</p>	<p>(3)-QUANTITY BRASS FITTING 1/4 X 1/8 H12553</p>  <p>③</p>	<p>(3)-QUANTITY BRASS INSERT H12462</p>  <p>④</p>
<p>(3)-QUANTITY TUBE NUT H15522</p>  <p>⑤</p>	<p>(1)-QUANTITY (20') NYLON TUBING 1/4" H13110-13</p>  <p>⑥</p>	<p>(1)-QUANTITY PRESSURE GAGE 0-160 psi H14212</p>  <p>⑦</p>	<p>(1)-QUANTITY PRESSURE SWITCH H13940A</p>  <p>⑧</p>
<p>(1)-QUANTITY FEMALE TERMINAL H14620</p>  <p>⑨</p>	<p>(1)-QUANTITY MODEL 850 COMPRESSOR</p>  <p>⑩</p>	<p>(2)-QUANTITY LOCKNUT 5/16 H12737</p>  <p>⑪</p>	<p>(1)-QUANTITY AIR TANK H00626</p>  <p>⑫</p>
<p>(1)-QUANTITY FUSE HOLDER H15235</p>  <p>⑬</p>	<p>(2)-QUANTITY BOLT 10-32 H14168</p>  <p>⑭</p>	<p>(2)-QUANTITY EYELET H15224</p>  <p>⑮</p>	<p>(2)-QUANTITY GROMMET H15234</p>  <p>⑯</p>
<p>(2)-QUANTITY NUT 10-32 H14591</p>  <p>⑰</p>	<p>(4)-QUANTITY BUMPER H14572</p>  <p>⑱</p>	<p>(1)-QUANTITY WIRE 16 GA. H12669-2</p>  <p>⑲</p>	<p>(2)-QUANTITY WIRE SPLICE CONNECTOR H13116</p>  <p>⑳</p>
<p>(1)-QUANTITY TEFLON THREAD SEALANT H13943</p>  <p>㉑</p>			

# MOUNTING TEMPLATES

