



INSTALLATION INSTRUCTIONS

Air Compressor for DexAir System

Mounting Location

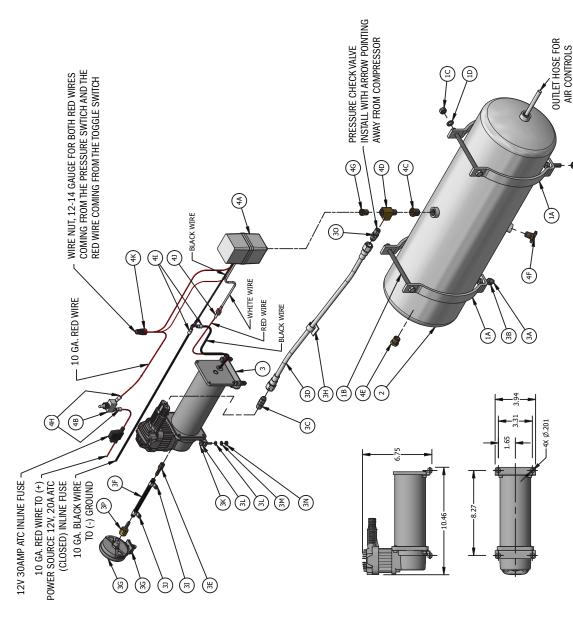
- Mount the compressor in a flat position inside an enclosure or protected area to avoid direct exposure to the elements, water spray or contact with road debris.
- To maximize air compressor performance, locate compressor as close to the battery as possible, keeping positive lead wire length to a minimum.
- Choose a mounting location that is away from heat sources to avoid heat related failures.
- Do not mount compressor near heat sensitive materials such as flammable liquids.
- Select compressor mounting location that allows the remote air filter line to reach the air inlet on the compressor. Ensure that the remote inlet air filter is in a location such that incoming air is as clean and dry as possible, away from the elements.
- The line between the compressor and the tank must be angled at a downward slope to ensure water condensation collects in the tank. Line kinks or upward running lines may cause water to pool and freeze.
- Tank drain must be pointing downward, as it needs drained after each use
- The 1.5ft leader hose bracket must be properly mounted to secure the hose in place.

Getting Started - Setup and Adjustments

1. After installation is complete, check for leaks using soapy water.

- Leaks in the system will cause the compressor to run constantly and cause damage to the system.
- 2. Dielectric grease is recommended on terminals.
- 3. Recommended wire type, SXL.
- Place 12V 30A in-line fuse on wire coming from power source, before the toggle switch and as close to the power source as possible.
- 5. Use pipe sealant on all fittings and tighten to 10-12 ft-lbs. All connections must be free from leaks for proper performance.
- Pressure switch comes with attached wires and terminals. Air compressor has attached wires but not terminals. The installer will need to provide additional wires and connections to complete installation.
- 7. Pressure switch is set to close at 90 P.S.I. and open at 120 P.S.I. (close turn on, open turn off).
- Air filter is part of air compressor assembly filter element must be changed a minimum of once per year under normal conditions.
 More frequent changes are necessary when operated in a dusty environment.
- Mount the pressure check valve with arrows pointing away from air compressor leader hose.
- 10. A 10 GA Stranded copper automotive cable minimum is required, use table to find the recommended gauge for the length of wire. In order to avoid voltage drop and power loss it is recommended using: 2% VD column. (VD voltage drop)
- 11. Wire gauge table is calculated for supplied compressor use only. Use the chart on page 2 to calculate correct gauge wire.

Please see page 2 for installation drawing and part breakdown.



GAUGE	WIRE LENGTH(FT) AT 5% VD WIRE LENGTH(FT) AT 2% \	WIRE LENGTH(FT) AT 2%
10	0-17	2-0
∞	18-27	8-11
9	27-44	12-17
4	45-69	18-27
RECOMMI	RECOMMEND USING 2% VD COLUMN TO AVOID POWER LOSS.	AVOID POWER LOSS.
NOT TO E	NOT TO EXCEED THE 5% VD COLUMN.	

				WFRIOSS
HCV KIT ATTACHING PARTS (NOT S	1	N/A 1	071-876-00	
KIT, HGT CONTROL VALVE (NOT SH	1	N/A	071-872-00	
WIRE NUT, 12-14 GAUGE	1	4K		
CONN QC RCPT 10-12AWG 0.250	1	4)*		
CONN RING CIRC 10-12AWG***	2	4I*		ENGTH(FT) AT 2% VD
CONN RING CIRC 10-12AWG***	7	4H* 2		

Supplied by customer *Install in dry, sealed location only *Installed by customer

RAPPER (NOT SHOWN)

VALVE (NOT SHOWN)

.12AWG 0.250***

BUSHING, 1/8-FNPT X 1/4-MNPT

46

LITTLE RED** BIG RED**

CONNECT TO FUSED POSITIVE POWER

SOURCE SAME

WIRES FROM PRESSURE SWITCH

WIRE

CONNECT TO LOAD OR COMPRESSOR

POWER WIRE

WHITE**

CONNECT TO GROUNDING POINT OR

CONTROL SWITCH

BLACK**

COMPRESSOR MOUNTING LOCK WASHER

COMPRESSOR MOUNTING HEX NUT

KIT, INSTALL, PRESSURE SWITCH

TUBE FITTING, FEMALE THD

3Р

071-873-00

PRESSURE CHECK VALVE

BUSHING, 1/4-FNPT X 3/8-MNPT

TOGGLE SWITCH***

PRESSURE SWITCH

44 4B 46 90° STREET TEE, 1/4-18NPT

40

4E 4F

HEX HEAD PLUG, 3/8 NPT

INT SEAL DRAIN COCK

COMPRESSOR MOUNTING FLAT WASHER

 ∞ 4

31

3K

3M

3N 30

COMPRESSOR MOUNTING BOLT

AIR LINE CLIP SCREW

HEX BOLT, 3/8-16 X 6 FULL THREAD

2

1B 10 1D

8" AIR TANK BRACKET KIT

DESCRIP

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Σ

PART NUMBER

071-875-00

MOUNTING BRACKET

KIT, COMPRESSOR, 1/4 HP AIR SCREW, HEX CAP 3/8-16 X 1.50 NUT, HEX CENTER LOCK 3/8-16

LOCK WASHER, 3/8

8" AIR TANK

2 ო

034-452-00 071-874-00

HEX NUT, 3/8-16

LEADER HOSE COUPLING

4

3B 30 3D 3E 3F 36 3H

TUBE FITTING, MALE THD

LEADER HOSE

REMOTE FILTER HOSE

REMOTE AIR FILTER

HOSE BRACKET

AIR LINE CLIP

2

3 3