

This document provides the instructions to replace the associated Motor Harness used on the Airstar membrane compressor product family. Table 1 lists the different motor harness kits used with the corresponding Airstar model. Each kit provides a replacement cable assembly cut to length for connection between the Control Box and the Motor Electrical Box of specific AirStar models. Also included in each kit is a Swivel Cable Tie, part number 31509, used to secure the cable to the motor base. All personnel servicing the equipment **must** read and understand the Installation and Operation Manual before operating or performing any service of the unit. Only a trained technician should perform any service.



CAUTION

Remove Power and Depressurize Tank

- Never work on equipment connected to live power. Remove power by disconnecting facility power to the unit prior to performing any replacement procedures.
- Prior to performing the replacement procedures, make sure to depressurize the storage tank.

Table 1. Motor Harness Replacement Kit by Model

Model \ Kit	87155-K	87156-K	87157-K	87158-K
AS10, AS12, AS12INT				Quantity 1
AS21, AS22, AS22INT		Quantity 1		
AS30			Quantity 2	
AS40			Quantity 2	
AS50, AS50INT	Quantity 2			
AS70, AS70INT (see Note.)	Quantity 2		Quantity 1	

Note: Use kit P/N 87157-K Quantity 1 for left motor and kit P/N 87155-K Quantity 2 for the middle and right motors of AS70 AirStar.

Motor Electrical Box Harness Connection.

Replace the Motor Electrical Box connection side of the harness as follows.

1. Remove 4 screws securing the Motor Electrical Box cover.
2. Disconnect and remove the cable.

Note: Connect cable by matching color to color.

3. Install and connect the replacement cable to the Motor Electrical Box.
4. Install and secure the Motor Electrical Box cover.



CAUTION

Hot Motor can Damage Harness

- Verify the final harness installation does not touch a hot motor.

Control Box Harness Connection.

Replace the Control Box connection side of the harness as follows.

1. Remove 2 screws (1 each side) securing the Control Box front panel.
2. Carefully swing the Control Box open.

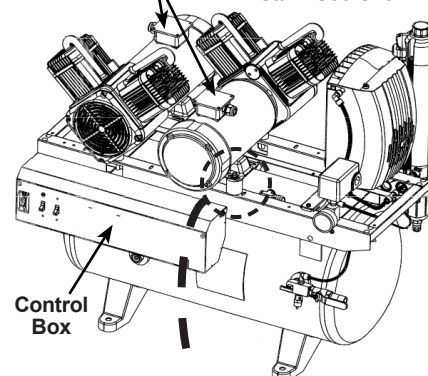
Note: Refer to the schematic inside the Control Box as necessary.

3. Trace the cable to be replaced and locate the Control Box connections.
4. Disconnect and remove the cable.

Note: Connect cable by matching color to color.

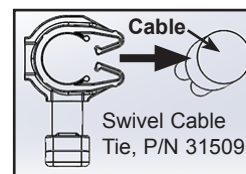
5. Install and connect the replacement cable to the Control Box.
6. Close and secure the Control Box.
7. Perform cable tie installation procedure.

Motor Electrical Box
AirStar AS50 Shown



Shock Mount Bracket

Cable Tie



Cable Tie Installation.

Once replacement of the harness has been verified, secure with the cable tie as follows.

1. Press the cable tie onto the cable.
2. Thread the cable tie through the Shock Mount Bracket.
3. Tighten the cable tie.
4. Trim the excess cable tie.