

LEVELING AND STABILIZATION

Purpose

The purpose of this document is to show the procedure for replacing a uni-directional hydraulic power unit motor and sealed coupler.

⚠ CAUTION

Always wear eye protection when performing this installation procedure. Other safety equipment to consider would be gloves and possibly a full face shield, depending on the nature of the installation procedure.

⚠ CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

Resources Required

- 13 mm wrench
- Flathead screwdriver or $\frac{5}{16}$ " socket
- Pliers
- $\frac{13}{16}$ " hex wrench (or bit with drive)

Procedure

Motor Removal

1. Use a 13 mm wrench to remove the nuts securing the 12V DC leads to the motor posts (Fig.1A). Pull the leads off of the motor posts (Fig. 1B), and disconnect any other wires leading to the motor posts.
2. Use a flathead screwdriver on the hose clamp nut (Fig. 2A) to release the hose clamp holding the solenoid on the motor.

Fig. 1

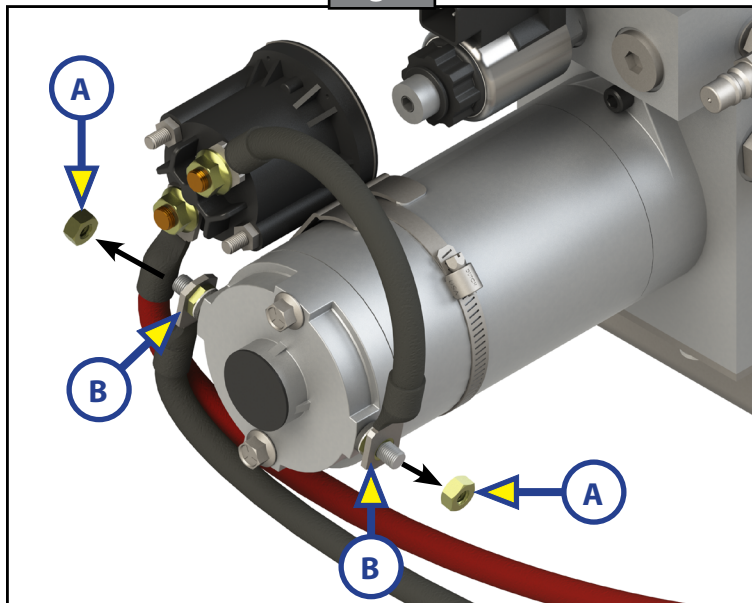
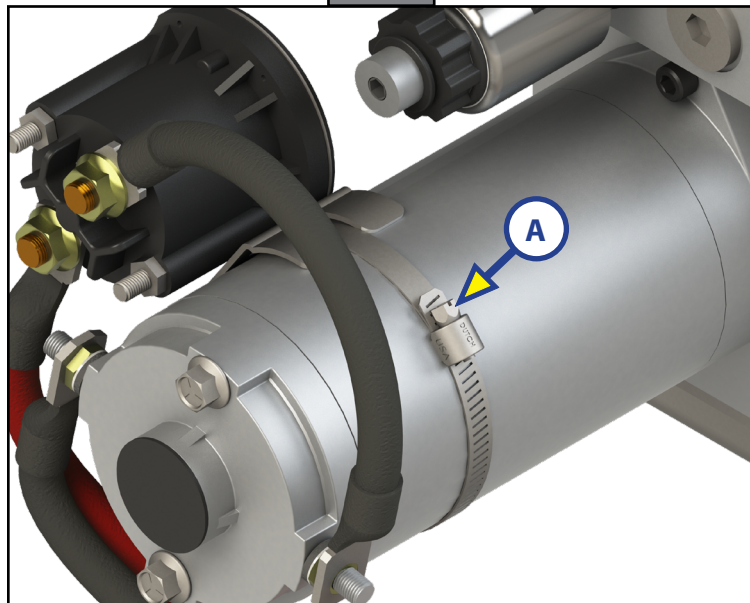


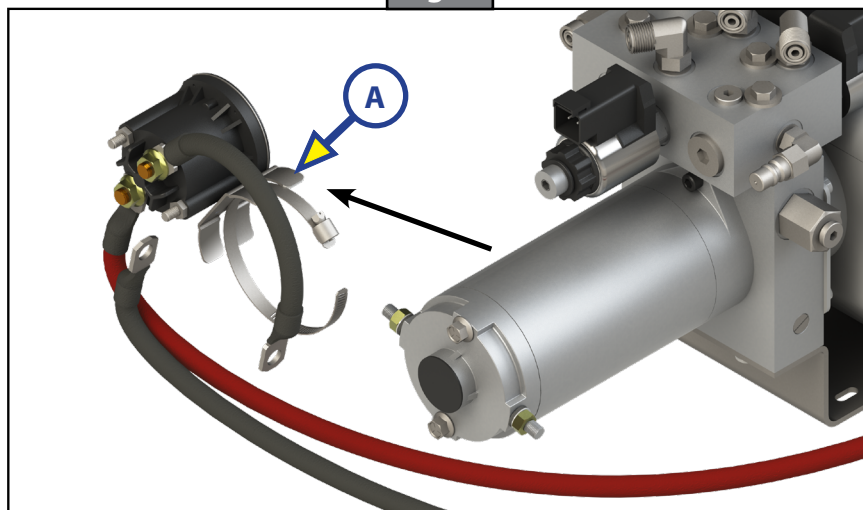
Fig. 2



LEVELING AND STABILIZATION

3. Remove the hose clamp and solenoid (Fig. 3A) leaving it wired as-is, and set it aside.

Fig. 3



4. Remove hex screws from base of motor (Fig. 4)
5. Remove the motor from the pump (Fig. 5A).
6. Using pliers, pull the sealed coupler (Fig. 5B) out from inside the pump, rotating the coupler until it releases.

Fig. 4

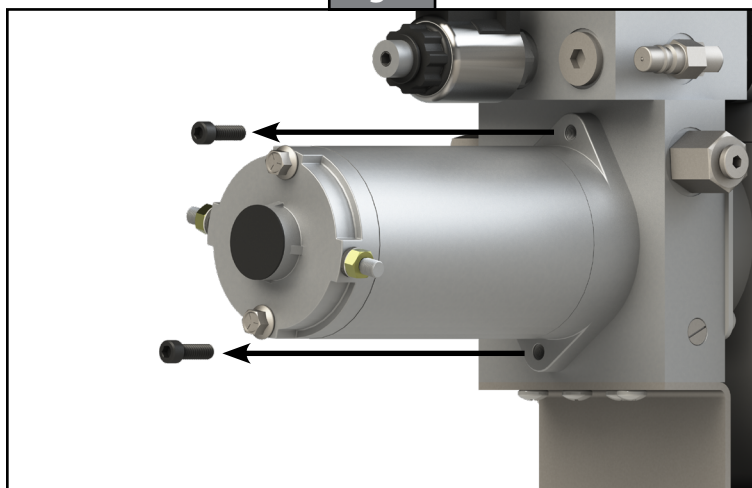
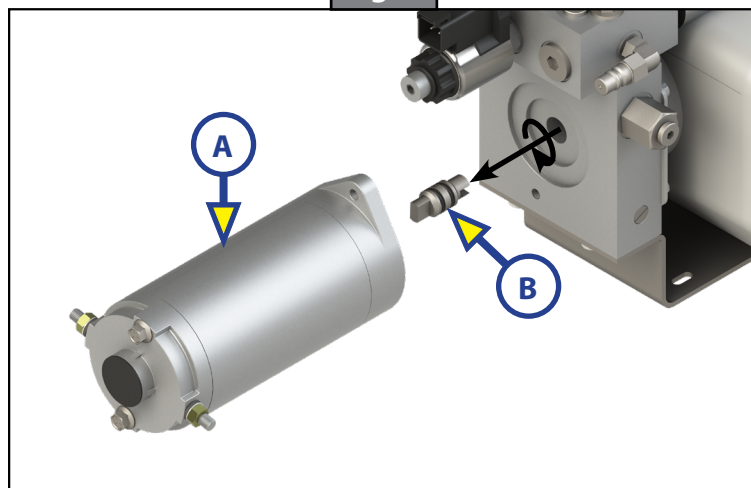


Fig. 5

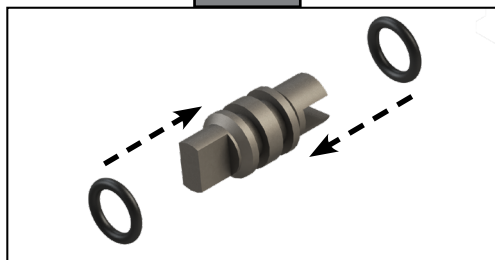


LEVELING AND STABILIZATION

Motor Replacement

1. The coupler and two O-rings will ship disassembled. Apply heavy grease to the O-rings and slide them into the recesses on the sealed coupler (Fig. 6).

Fig. 6



2. Using fingers, insert the new sealed coupler back inside the pump (Fig. 7). Rotate the sealed coupler until it sets in place.
3. Line up the notch in the motor (Fig. 6A) with the notch on the coupler (Fig. 6B). Rotate the motor until the motor notch drops into the coupler notch.

Fig. 7

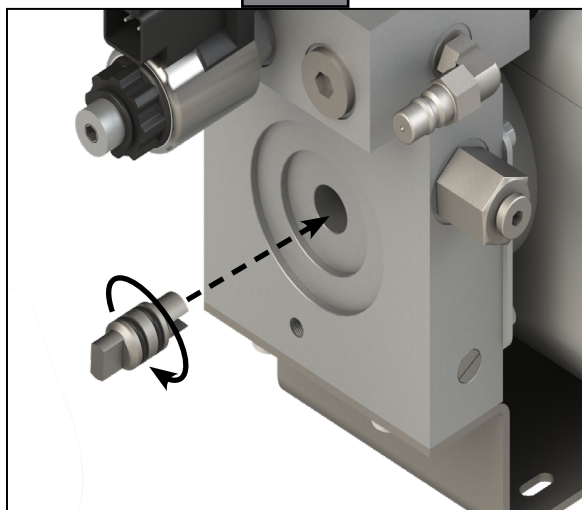
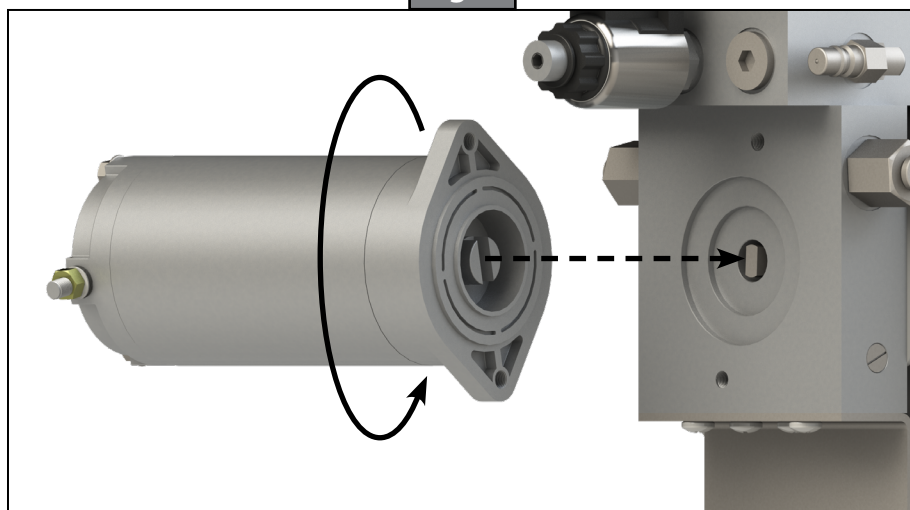
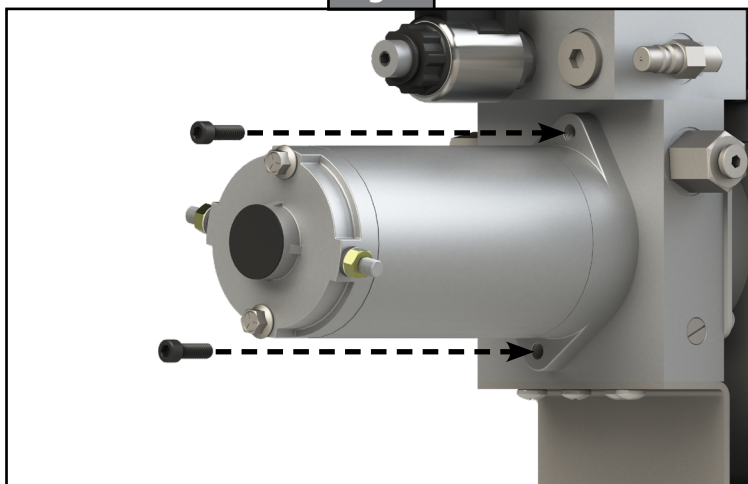


Fig. 8



4. Secure the new motor at the base with the previously removed hex screws (Fig. 7).

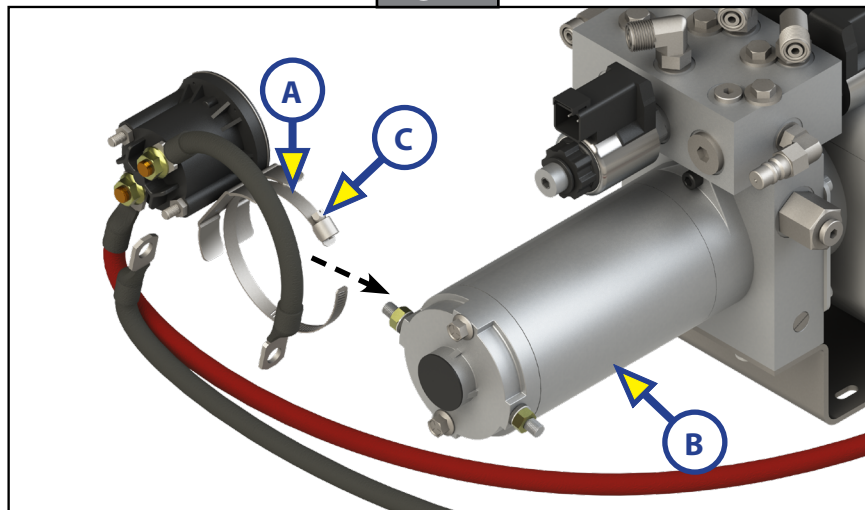
Fig. 9



LEVELING AND STABILIZATION

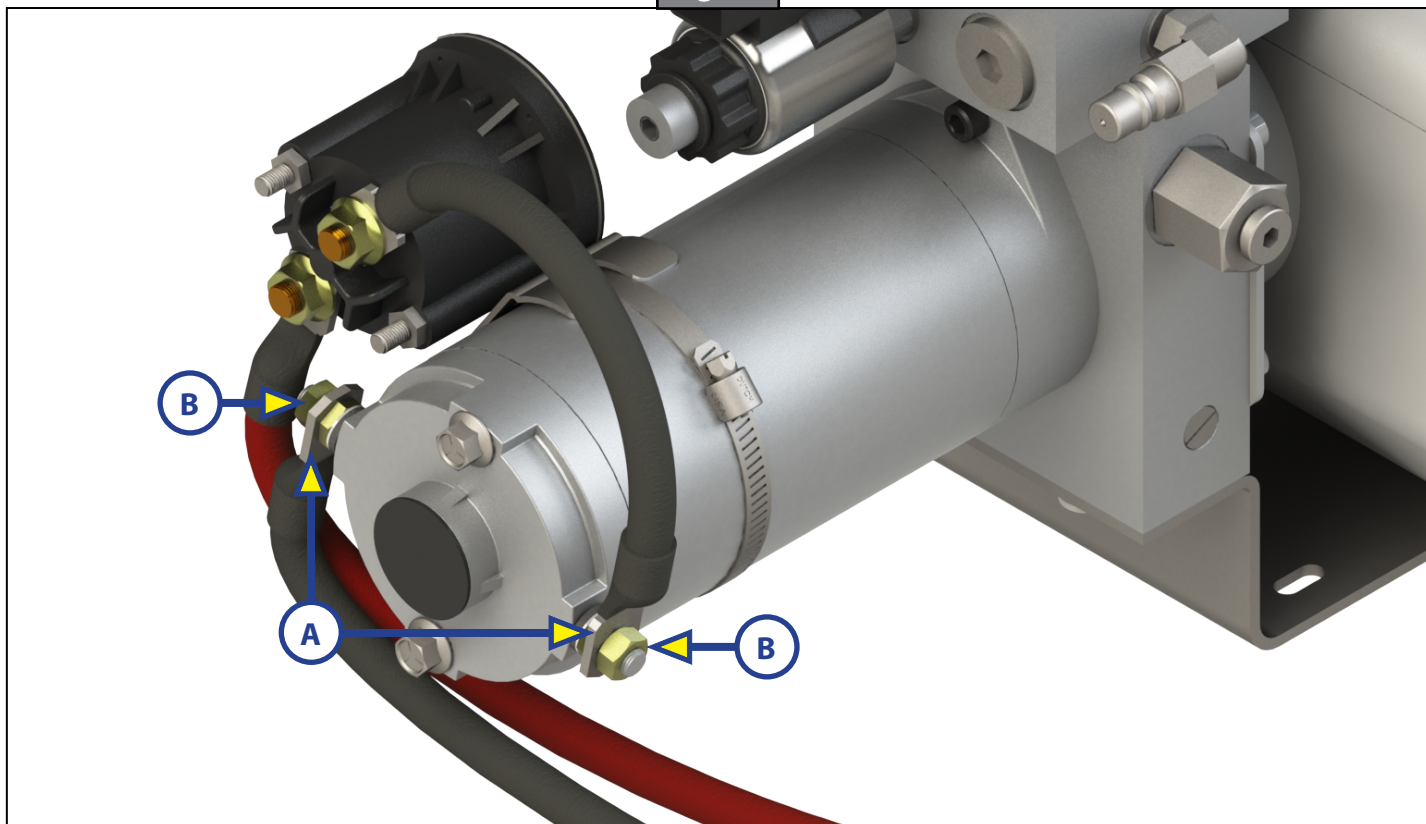
5. Slide the hose clamp with solenoid attached (Fig. 10A) around the motor (Fig. 10B), and tighten the nut (Fig. 10C) with a flathead screwdriver to secure it. Do not overtighten.

Fig. 10



6. Slide the leads (Fig. 11A) and any other removed wires back onto the motor posts. Secure them with nuts (Fig. 11B) using a 13 mm wrench.

Fig. 11





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