

TECHNICAL BULLETIN - #7904

SUBJECT: CLUTCH DRIVER #5056 REPLACEMENT INSTRUCTIONS

Effective Date: 2/25/97 Revised Date: 2/7/05

1. Remove crossing arm cover
2. Remove motor by loosening two 5/16" nuts and sliding motor bracket down, disengaging motor shaft from clutch hub. Lay motor to one side.
3. Remove 1/2" locknut on hinge top securing hinge to clutchdriver. Slide clutchdriver down and out, clearing hinge and switch plate assembly. Remove and discard clutchdriver.
4. Remove the blue and black wire from the rear switch (MS2). Connect these two wires together using the connector provided. Secure this connection with the tie wrap provided.
5. Remove the red and yellow wires from the front switch (MS3). Place the red wire on the rear switch (MS2), on the terminal (NC2) closest to the clutchdriver. Place the yellow wire on the terminal (COM1) farthest from the clutchdriver. This step bypasses the lower outside switch (MS3). If this switch has been broken or damaged, it does NOT need to be replaced.
6. Close hinge. Install replacement clutch driver, with timing mark (dot) facing out. Slide clutchdriver up until flats on driver just engage hinge. Open hinge to half open position, which provides clearance for switches during installation. Slide clutchdriver into position, depressing bottom switch if necessary. Reinstall motor. In order for motor shaft to engage clutch hub, it may be necessary to remove positive stop nut and bolt located at upper left hand corner of unit. Removing this bolt will allow the crossing arm to open past 90°. After installing motor, replace 1/2" locknut, torquing to 18 ft-lbs. If removed, reinstall positive stop bolt and locknut.
7. Check unit for proper orientation, & reinstall cover. Caulk top and side seams (leave small opening at bottom) using RTV silicone prior to installing cover. Then seal cover with silicone caulk or equivalent.

