

10260S Series Actuators Auto-Manual Switch Replacement Instruction

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Overview

These instructions apply to the following kit: **51500581-501 Auto-Manual Switch Kit** and its application to the 10260S Series Actuators.

Summary

The AUTO-MANUAL switch of the 10260S Actuator is used as a manual override to drive the actuator motor to position during set up. The Auto-Manual switch kit contains the components needed to add the switch function to your actuator, or replace a defective switch. Follow the procedure in Table 1 to install the Auto-Manual switch.

Tools Needed

To perform the replacement procedure, you will need the following tools:

- Medium Flat-blade screwdriver
- Medium Phillips screwdriver
- Small jeweler's screwdriver set
- Small adjustable wrench
- Needle-nosed pliers
- Heat gun

Procedure

WARNING

Disconnect power before accessing components inside the actuator.

ATTENTION

When working with Printed Wiring Assemblies (PWAs) always protect against electrostatic discharge by wearing a grounded wrist strap.

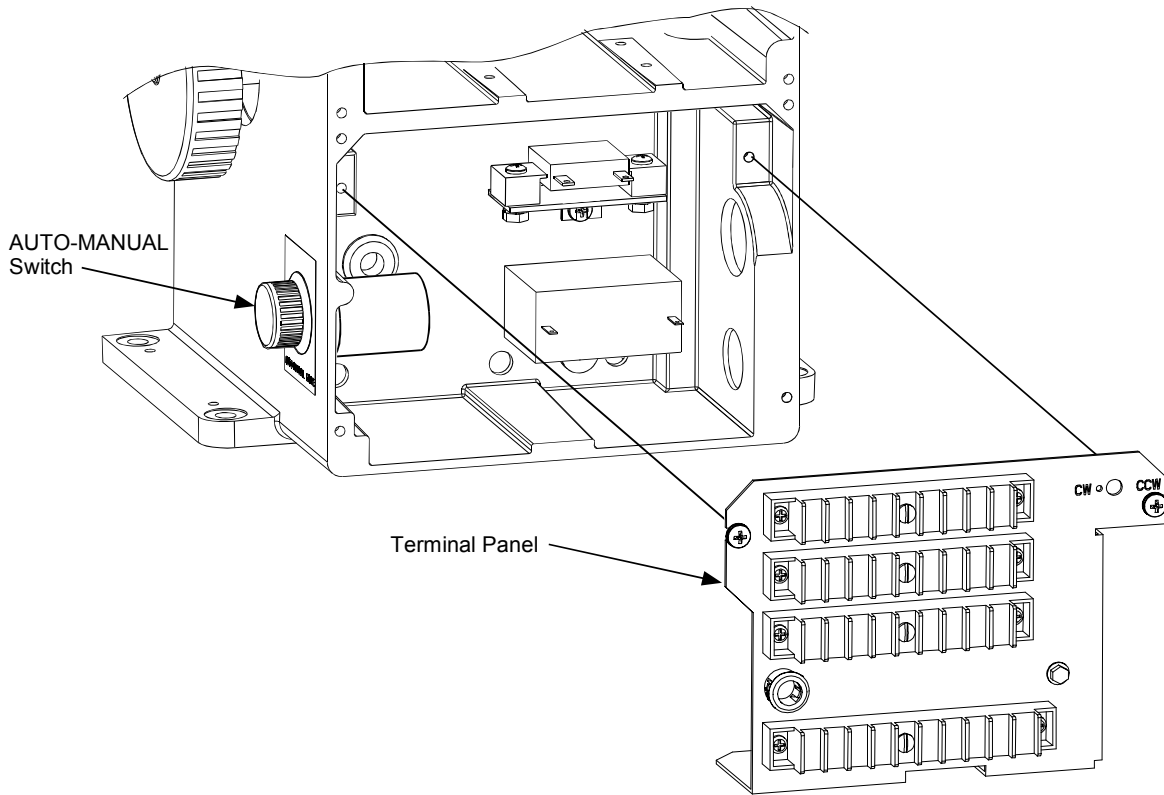
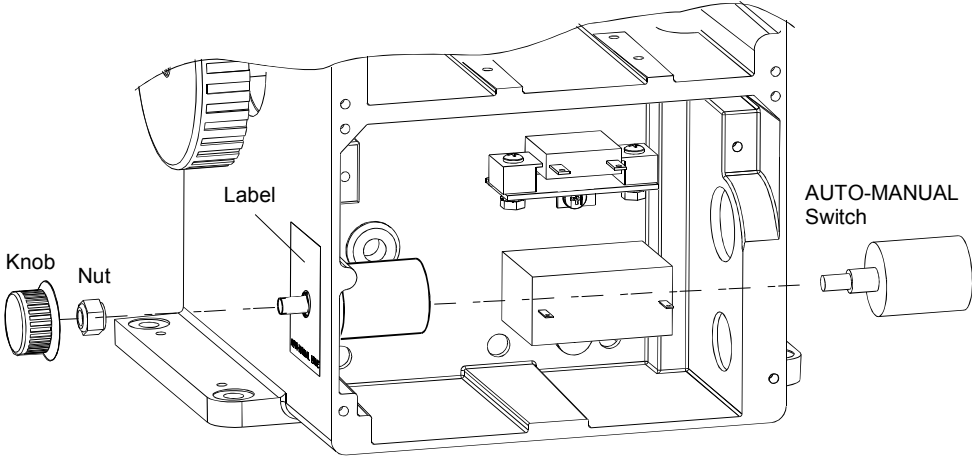


Figure 1 AUTO-MANUAL Switch Location

Table 1 AUTO-MANUAL Switch Installation Procedure

Step	Action
1	Remove AC power to the actuator.
2	Remove four screws and the terminal panel cover from the actuator. See Figure 1
3	Remove two screws and pull out the terminal panel from the actuator case. NOTE: It may be necessary to loosen the external cable entrance on the side of the actuator case to gain greater access to the AUTO-MANUAL switch location behind the terminal panel.

Procedure continued on next page ⇒

Step	Action
<p>4</p>	<p>If replacing the switch, disconnect switch wires and remove switch:</p> <ul style="list-style-type: none"> • Carefully disconnect auto-manual switch wires at the rear of the terminal panel from the following lugs: TB1-1, TB1-8, TB1-9, TB2-12, TB2-13, TB2-10, TB2-11. (Looking at the rear of the terminal panel - TB1 is the top terminal board. TB1-1 is the rightmost terminal on the top terminal board.) • Disconnect auto-manual switch wires from the connector at P6-1 and P6-2 on the main PWA. • Remove switch knob by loosening the set screw and then sliding it off the shaft. • Remove nut securing switch to side of case. • Pull switch out of case.
<p>5</p>	<p>Slide heat shrink tubing over the body of the new switch so it covers the soldered wire terminals. With a heat gun, apply hot air to the shrink tubing to seal the wire terminals of the switch.</p>
<p>6</p>	<p>Install new switch:</p> <ul style="list-style-type: none"> • Remove plug from access hole in actuator case, (if present) where switch shaft will be installed. See Figure below. • Attach switch label to side of case. • Remove nut from threads on switch. Insert switch shaft through case access hole. Carefully rotate switch until it seats in case. Make sure the stub engages the small hole. • Screw the nut onto the switch shaft and tighten it securely. • Attach knob to shaft with set screw on flat side of shaft. 
<p>7</p>	<p>Identify the correct terminal lugs on the back of the terminal panel for connecting the switch wires.</p>

Procedure continued on next page ⇒

Step	Action																						
<p>8</p>	<p>Connect switch wires:</p> <ul style="list-style-type: none"> If adding (not replacing) the switch, remove blue and orange wires from TB1-8 and TB1-9. Connect blue wire to TB2-13 and orange wire to TB2-12. If adding or replacing the switch, one at a time connect auto-manual switch wires as follows: <table border="0" style="margin-left: 40px;"> <tr> <td style="text-align: center;">AUTO-MANUAL Switch Wires</td> <td style="text-align: center;">TO: Terminal Panel Lugs</td> </tr> <tr> <td style="text-align: center;">Black</td> <td style="text-align: center;">TB1-1</td> </tr> <tr> <td style="text-align: center;">White</td> <td style="text-align: center;">TB1-8</td> </tr> <tr> <td style="text-align: center;">Brown</td> <td style="text-align: center;">TB1-9</td> </tr> <tr> <td style="text-align: center;">Green</td> <td style="text-align: center;">TB2-12</td> </tr> <tr> <td style="text-align: center;">Violet</td> <td style="text-align: center;">TB2-13</td> </tr> <tr> <td style="text-align: center;">Orange</td> <td style="text-align: center;">TB2-10</td> </tr> <tr> <td style="text-align: center;">Red</td> <td style="text-align: center;">TB2-11</td> </tr> <tr> <td></td> <td style="text-align: center;">TO: Main PWA Connector</td> </tr> <tr> <td style="text-align: center;">Red (24 AWG) →</td> <td style="text-align: center;">P6-1</td> </tr> <tr> <td style="text-align: center;">White (24 AWG) →</td> <td style="text-align: center;">P6-2</td> </tr> </table> <p>NOTE: Some terminal lugs have dual (piggyback) wires attached; make sure the wires are attached to the correct terminals. Make sure piggyback wires on outermost terminals are facing the inner terminals, not facing away from the terminals. For example, TB1-1 should have its piggyback terminal positioned between TB1-1 and TB1-2.</p>	AUTO-MANUAL Switch Wires	TO: Terminal Panel Lugs	Black	TB1-1	White	TB1-8	Brown	TB1-9	Green	TB2-12	Violet	TB2-13	Orange	TB2-10	Red	TB2-11		TO: Main PWA Connector	Red (24 AWG) →	P6-1	White (24 AWG) →	P6-2
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<p>9</p>	<p>Reinsert the terminal panel back into the actuator case being careful not to pinch any wires. Secure terminal panel with two screws.</p>																						
<p>10</p>	<p>Install a new gasket and replace the terminal panel cover. Secure with four screws.</p>																						
<p>11</p>	<p>Reapply AC power to the actuator.</p>																						
<p>12</p>	<p>Verify actuator configuration and check AUTO-MANUAL switch for correct function.</p>																						
<p>13</p>	<p>Return actuator to service.</p>																						

Warranty/Remedy

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer's sole remedy and is **in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose**. Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

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