

INSTALLATION OF DOOR-CYLINDER (WITHOUT AUTOMATIC OPENING)

Use this instruction sheet to disable the main door automatic-opening-function of a H3-40, H3-41 or H3-45 coach. With this modification the door no longer opens automatically but will keep pressure in the door cylinder at maximum opening. Once the modification is completed, the switch must be kept pushed-in until the door has reached its fully open position. Once the door is fully open, the system will keep pressure in the cylinder forcing the door to stay in position.

MATERIAL

Part No.	Description	Qty
780569	Cylinder, air (with magnet)	1
641371	FP 90 #4 x ¼PM (90° elbow)	2
502224	Rod end	1
680098	Sealing (Teflon), 250 ml	1
780570	Reed switch	1
560900	Connector housing	1
560853	Terminal, pin	2
561255	Wire	6
560898	Connector housing (socket)	1
560899	Terminal, socket	2
561108	Terminal	1
561540	Terminal	1
560784	Shrink tubing ¼ inch dia.	0.16
IS-96108	Instruction sheet	1
FI-96108	Feuille d'instructions	1

PROCEDURE

Warning: Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.

1. Assemble cylinder assembly as shown in Figure 1. Teflon tape should be used on all pneumatic connections.
2. Adjust rod length (Fig. 1), refer to section 18 of the maintenance manual.

Caution: It is important to make sure that damper does not reach end of stroke when door is completely closed or opened. The door cylinder must stop the door on opening. Screw or unscrew rod end to adjust if necessary.

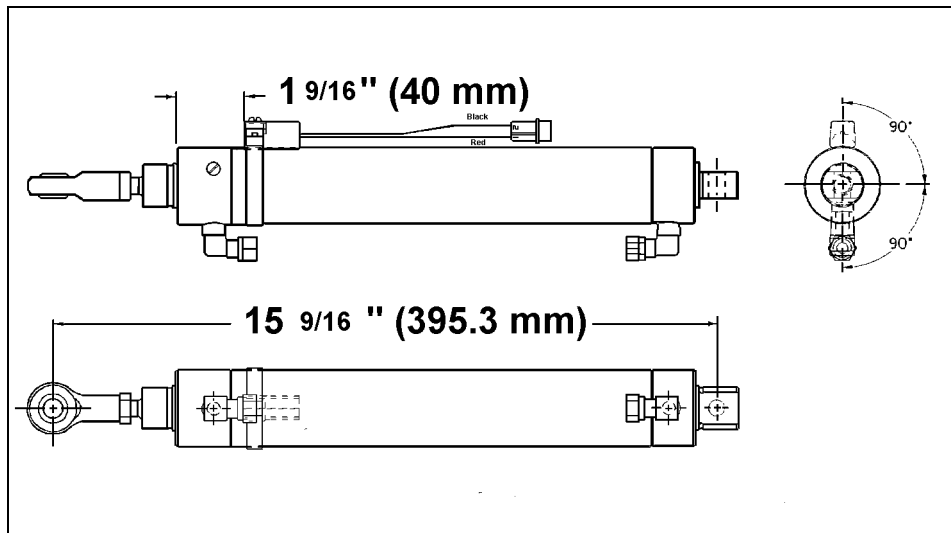


FIGURE 1: CYLINDER - SWITCH ASSEMBLY

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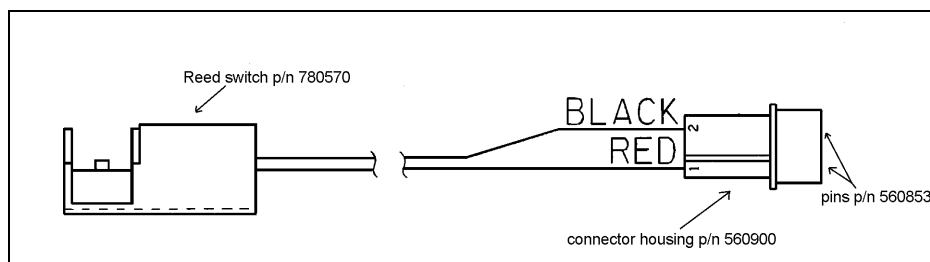


FIGURE 2: SWITCH ASSEMBLY

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3. Replace original cylinder with new cylinder assembly, make sure pneumatic hoses are not reversed and that sealant (Teflon) is used on all fittings.
4. Assemble the switch-extension-cable as shown in Figure 3 (cut wires to required lengths).

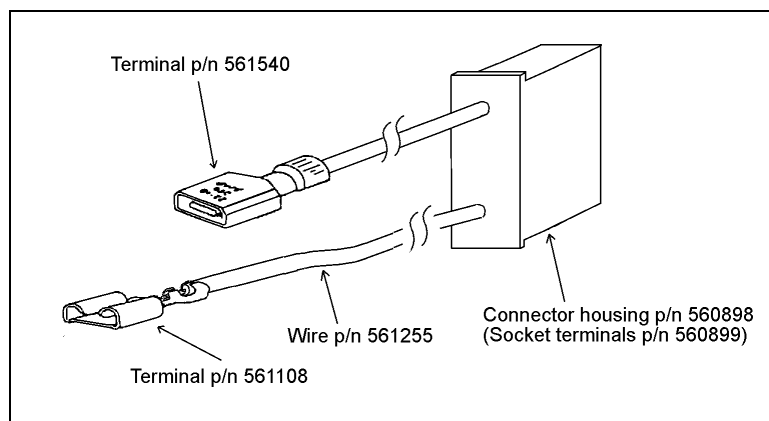


FIGURE 3: SWITCH-EXTENSION-CABLE

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- Using a small screwdriver to disengage terminal from relay base, disconnect terminal from position "30" of relay RLO (Figures 4 and 5.)

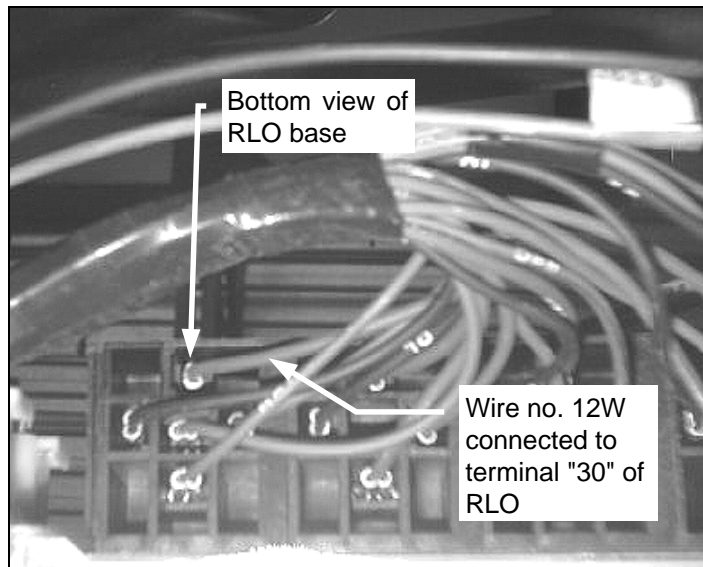


FIGURE 4: RELAY RLO / TERMINAL "30"

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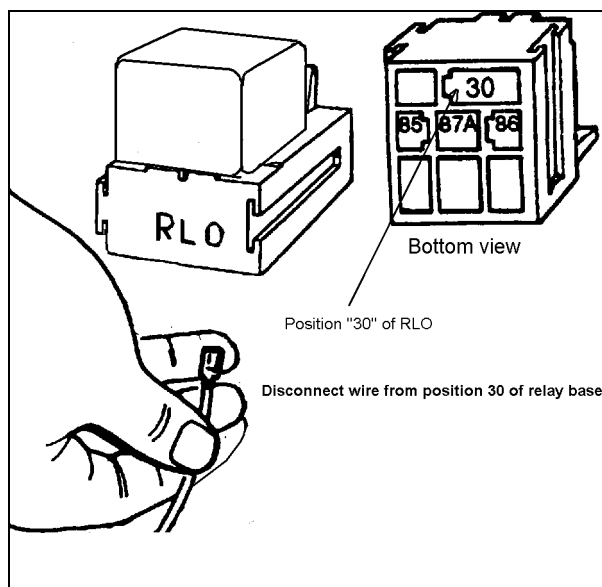


FIGURE 5: RLO BASE

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- Isolate terminal of wire 12W (with shrinkable tubing no. 560784.)
- Connect male terminal of switch-extension-cable to wire 12W (Figure 6).
- Connect female terminal of switch-extension-cable to terminal "30" (Fig. 4) of RLO (Figure 6).
- Connect switch-extension-cable to connector of cylinder switch (Figure 6).
- Using cable ties or electrical tape, secure all wires away from any moving parts or areas where they could get damaged.

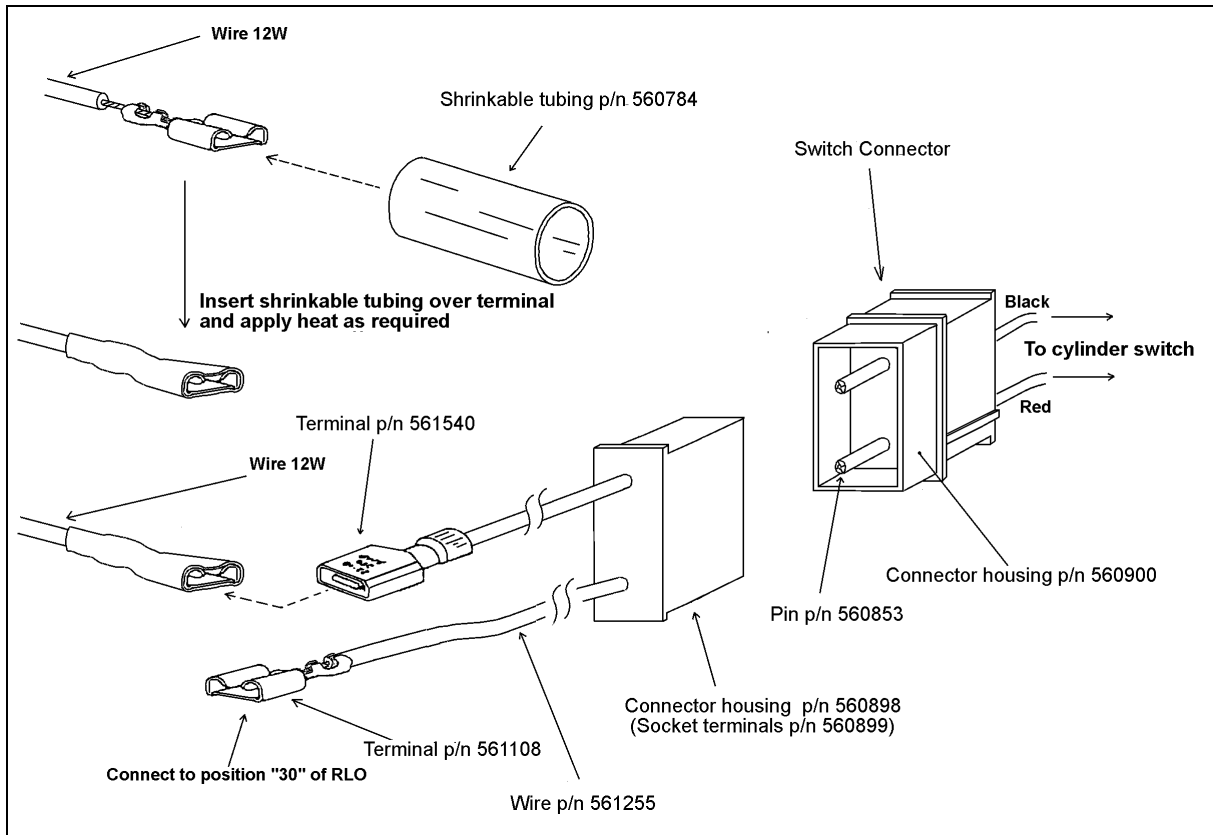


FIGURE 6:

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