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80181

Magnetic Door Jamb Switches (Power Source Style) Installation Instructions

This 80181 kit is designed to provide dome light door jamb switches without scratching the door jamb paint and to provide for a variety of door to jamb clearances. The 80181 kit will provide a power signal to the dome light power circuit through a relay using two magnetically actuated switches. The kit contains two separate switches and magnets for the driver's side door, the passenger's side door as well as the relay, wiring and small parts for the installation.

Installation: All wires may be shortened before being attached to their destination for proper routing and looks.

1 Find a suitable location near the vehicles fuse block to mount the pre-wired relay base assembly. Using the furnished self tapping screw and star washer, insert the screw through the star washer, then the preinstalled ring terminal on the black wire and mount the relay base. Make sure the area it's mounted to is part of the chassis ground. (Photo 1).

2 Once mounted, install the relay into the base. (Photo 2)

3 Locate a constant hot power source. (Photo 3)
Note: It is recommended to disconnect the vehicle's negative battery cable from this step on, until this installation is complete.

4 Connect the red wire marked "To Constant 12V Power Source" using the T-Tap and male spade terminal (Photo 4) or the fuse tap terminal and female spade terminal. (Photo 5)

5 Route one black/white wire and one red/black wire to each side of the vehicle where the switches will be installed. There are two long and two short of each color according to the length needed. (Photo 6)

6 Locate a smooth, clean and flat surface on the backside of the door jambs on the vehicle. This is where the door jamb switch bushings will be mounted.

7 On the painted area opposite the smooth, clean, flat surface place a 4” piece of masking tape. (Photo 7)

8 Close the door and make a mark on both the door jamb and the door; at the approximate distance up the door to mount the magnets. (Photo 8)

9 With the door still closed, draw a line along the inner edge of the door on the masking tape. This line will be perpendicular to the lines drawn in step 8. (Photo 9)

10 Open the door. Peel the adhesive backing from the magnet and firmly press it onto the door. Be sure to keep the magnet inline with the two marks from step 8. (Photo 10)

11 From the inside edge of the door, measure to the middle of the magnet. (Photo 11)

12 Now measure the same distance from the perpendicular line on the masking tape and make a mark on the masking tape in the door jamb. Be sure the mark is in-line with the marks on the door jamb and the door. (Photo 12)

13 Using a center punch, punch the mark on the masking tape and drill a ¼” hole. (Photo 13)

14 With the moist towelettes provided, wipe off the flat surface on the backside of the door jamb around the hole. Be sure to allow enough time for the cleaner to evaporate to prevent diluting the adhesive on the bushing. (Photo 14)

15 Next, thread the aluminum bushing onto the black reed switch, until the end of the reed switch sticks out approximately the thickness of the metal on the door jamb. This adjustment can be made more accurately after the bushing is pressed onto the back of the door jamb. (Photos 15 &16)

16 Peel the adhesive backing from the aluminum bushing, use the part of the reed switch sticking out of the bushing to align it with the hole and press it onto the back of the door jamb firmly. Now readjust the reed switch and carefully tighten the jam nut. (Photos 17 & 18)

17 Using the provided red connectors, splice together the wires from the relay (the ones routed in step 5) to the wires on the door jamb switches. (Photos 19 & 20)

18 The final step in completing the installation is to connect the solid white wire from the relay base with <TO DOME LIGHT POWER CIRCUIT> printed on it, to the part of the vehicles main harness, which provides power to all of the interior lights.

Photo #1

Photo #2

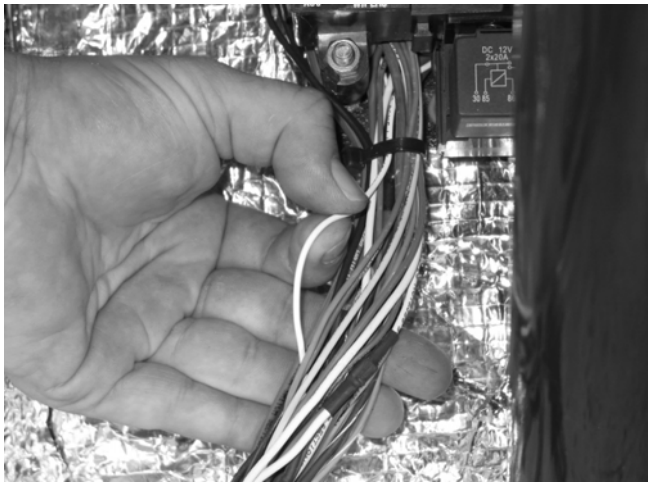
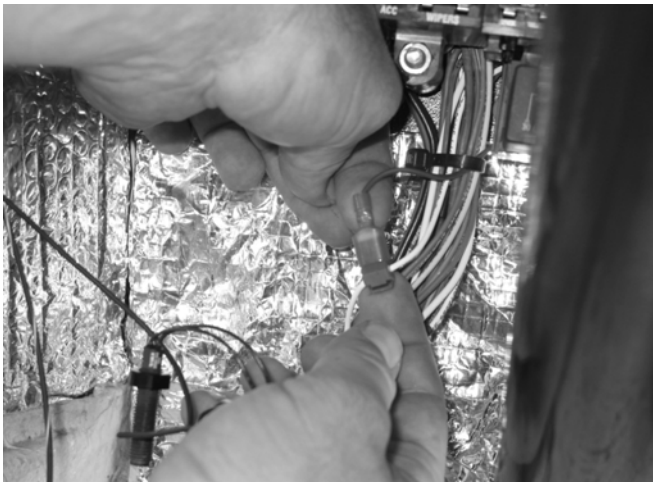


Photo #3



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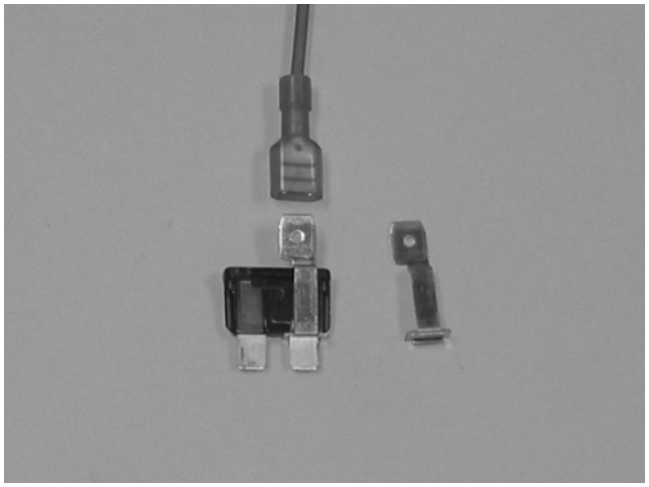

Photo #5

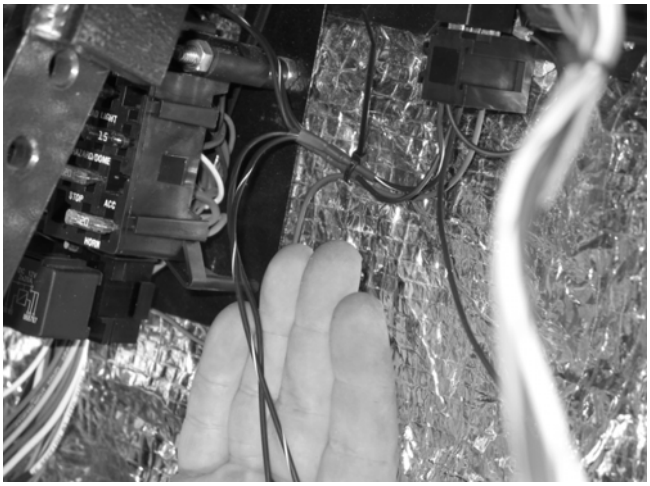

Photo #6

Photo #7

Photo #8

Photo #9

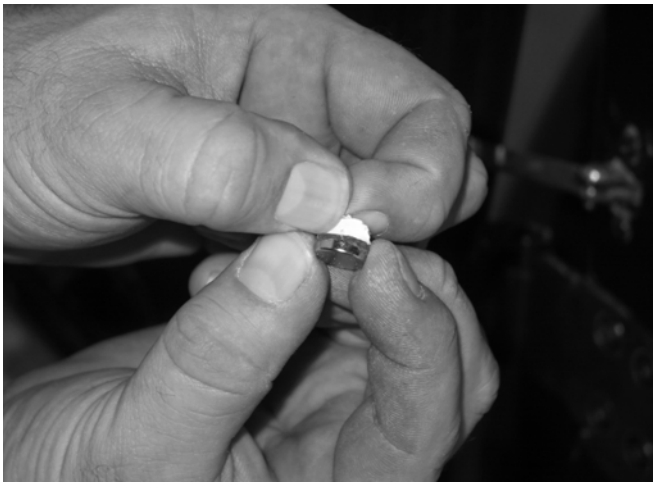

Photo #10

Photo #11

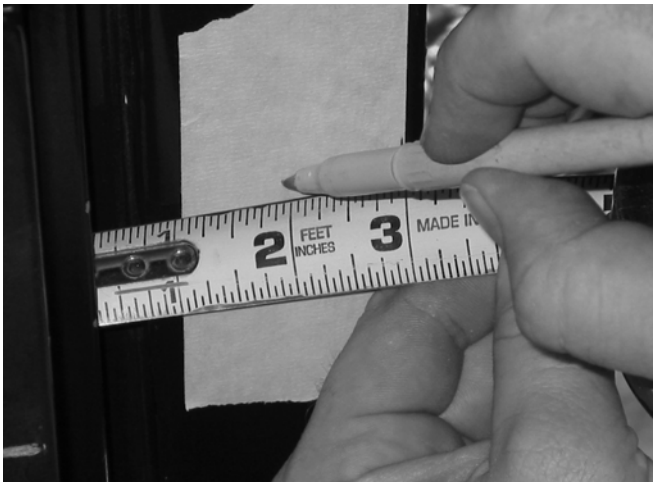

Photo #12

Photo #13

Photo #14

Photo #15

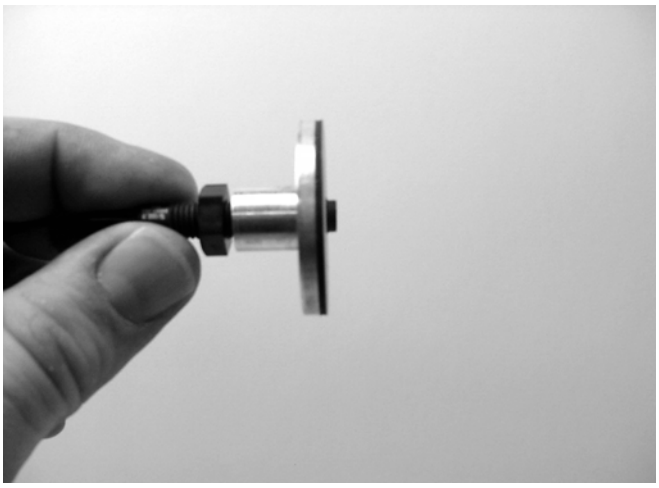

Photo #16

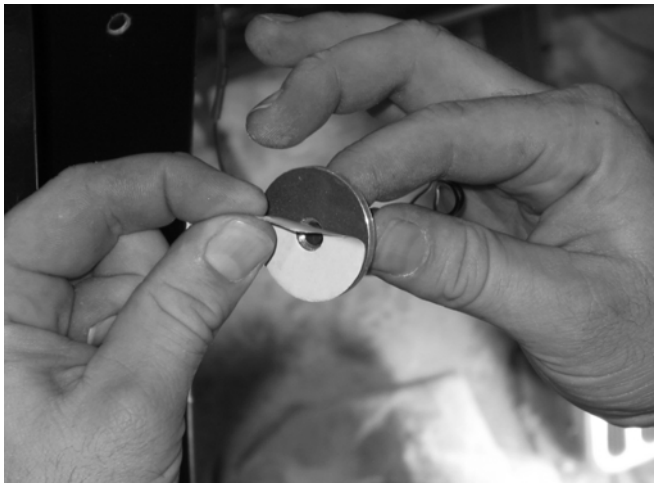

Photo #17

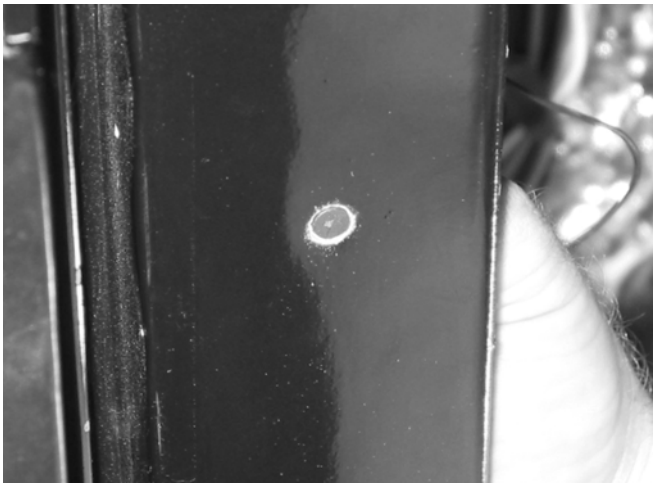

Photo #18

Photo #19

Photo #20

Painless Performance Limited Warranty And Return Policy

Chassis harnesses and fuel injection harnesses are covered under a lifetime warranty.

All other products manufactured and/or sold by Painless Performance are warranted to the original purchaser to be free from defects in material and workmanship under normal use. Painless Performance will repair or replace defective products without charge during the first 12 months from the purchase date. No products will be considered for warranty without a copy of the purchase receipt showing the sellers name, address and date of purchase. You must return the product to the dealer you purchased it from to initiate warranty procedures.

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