

Pro-Fit Fuel Door

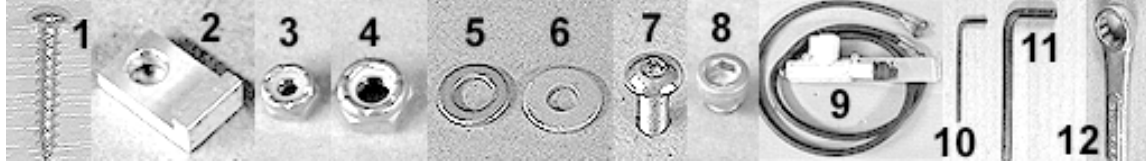
Installation Instructions

99-03 Mustang

Tools you will need:

- Drill with 1/2" drill bit
- #20 torx screwdriver
- 7/64" hex wrench
- 7/16" wrench
- Small ratchet
- 11/32" socket
- 8mm socket
- Phillips screwdriver
- Electrical tape

Parts list (items not to scale):



1) Self-tapping screw (x 2)	4) Large nylock (x 4)	7) Buttonhead bolt (x 2)	10) Small hex wrench
2) L-bracket (x 4)	5) Stainless washer (x 4)	8) Hexhead bolt (x 10)	11) Large hex wrench
3) Small nylock (x 2)	6) Aluminum washer (x 4)	9) Actuator and harness	12) Wrench

Not shown – fuel door and cable, wire ties, wire tie holders, switch kit (optional)

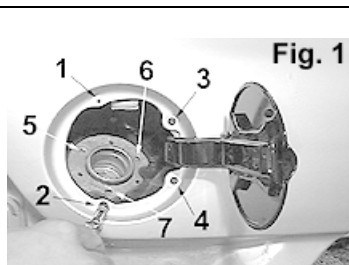


Fig. 1

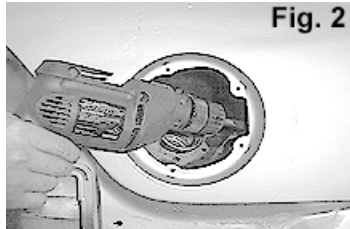


Fig. 2

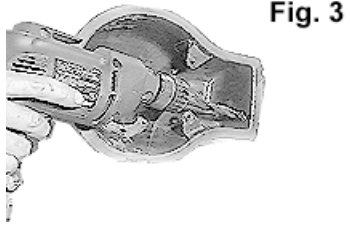


Fig. 3

Note: For manual fuel doors (locking or non-locking), skip the prep and steps 3, 4, 5, 8, 9, 11, 12, 13, 14. These steps are marked with an asterisk (*).

Prep*

With the stock fuel door closed, apply masking tape around the edge of the quarter panel. This is to help prevent scuffing of the paint when the new fuel door is installed. Note: For picture clarity, the masking tape is not shown. Remove gas cap.

WARNING: Do not perform this install near a flame source due to the risk of fire or explosion from gas fumes.

Step 1

Remove the 4 torx screws around the lip of the quarter panel using the #20 torx screwdriver (Fig. 1, numbers 1, 2, 3, and 4). Hold the stock fuel door when removing screws 3 and 4.

Step 2

Remove stock fuel door. Remove the metal clips, if any, located on the plastic bucket behind the torx screw holes.

Step 3*

Remove the 3 screws that hold the fuel neck to the plastic bucket using the 8mm socket and ratchet (Fig. 1, numbers 5, 6, and 7).

Step 4*

Open the trunk and remove the passenger side trim panel, exposing the back of the plastic bucket and fuel neck.

Step 5*

From the trunk, grab the back of the plastic bucket and lift upward about 1 inch. This is to allow access to a flat spot on the right side of the plastic bucket for drilling (Fig. 2). Fig. 3 shows the

* = Step applies to electric locking kit only



Fig. 4

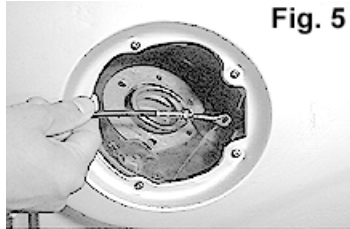


Fig. 5



Fig. 6

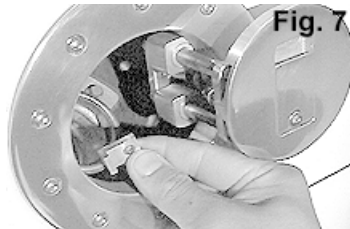


Fig. 7

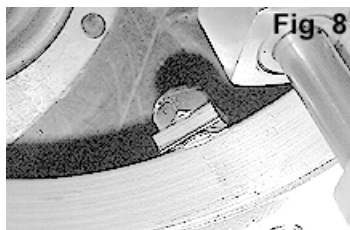


Fig. 8

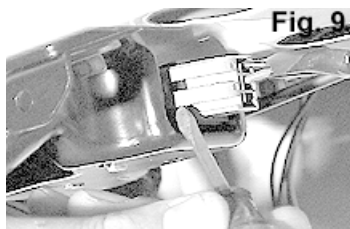


Fig. 9

(cont.)
spot on the plastic bucket to drill the hole.

Step 6

Place plastic bucket back into its original position. Using the Phillips screwdriver, attach the 2 self-tapping screws into the stock torx screw holes (Fig. 1, numbers 1 and 2). Using the small hex wrench, screw the 2 buttonhead bolts into the remaining stock torx screw holes (Fig. 1, numbers 3, and 4), making sure that the buttonhead bolts go through the tab holes on the plastic bucket.

Step 7

Insert aluminum washer onto the buttonhead bolts from the INSIDE of the quarter panel (Fig. 4), then attach small nylock and tighten with 11/32" socket and ratchet. Note: placing the washer on the outside of the quarter panel (directly under the buttonhead bolt) prevents the door from fitting flush against the quarter panel. Replace the 3 screws around the fuel neck. Retighten.

Step 8*

Insert cable (attached to fuel door) through the hole in the plastic bucket (Fig. 5).

Step 9*

Thread the cable through the hole, then mount the new fuel door. Be careful not to scuff the paint with the cable mount (Fig. 6, arrow). Note that the door should be in the open position. Rotate the door fully open before next step.

Step 10

Insert the L-bracket (Fig. 7) onto each stud at the rear of the fuel door ring, then insert a stainless washer and large nylock. Tighten using the supplied wrench. Note that Fig. 7 shows the proper orientation of the L-bracket for the lower-left stud. Fig. 8 shows a close up of the L-bracket for the lower-right stud.

For optional switch kit only:

Skip step 11. Use the supplied T-tap to tap into the 12V wire before the trunk release switch in the glove box. Connect the fuse end of the switch kit to the T-tap. Ground the other wire. Run both wires to the actuator. Connect the GROUND wire of the switch kit to the RED wire of the actuator wiring harness. Connect the SWITCH wire of the switch kit to the BLACK wire of the actuator wiring harness. Note that the polarity is REVERSED on purpose because the actuator must pull instead of push.

Step 11*

Route the actuator wiring harness alongside the stock wiring on the rear decklid. Disconnect trunk release connector (Fig. 9) Crimp the 2 connectors onto the wires for the trunk release connector in the following manner:

- Actuator BLACK to Mustang PURPLE
- Actuator RED to Mustang BLACK (Fig. 10)

Keep the trunk release connector disconnected from now on. This is to prevent the trunk from opening when the fuel door is

* = Step applies to electric locking kit only

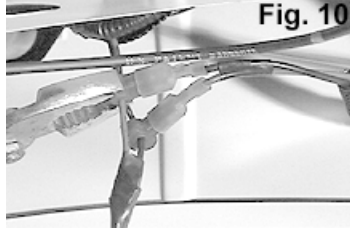


Fig. 10

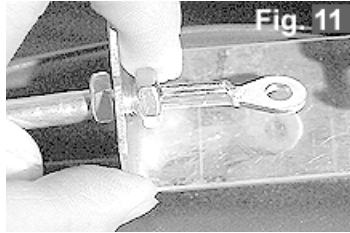


Fig. 11

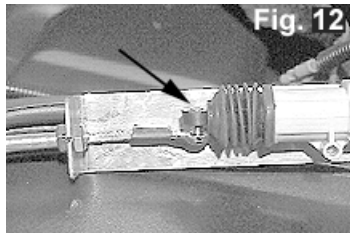


Fig. 12

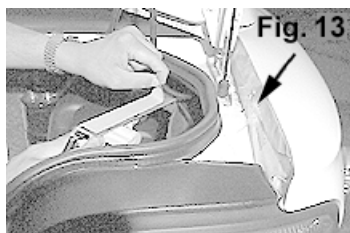


Fig. 13

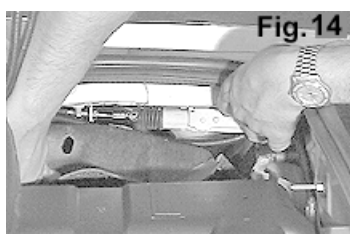


Fig. 14

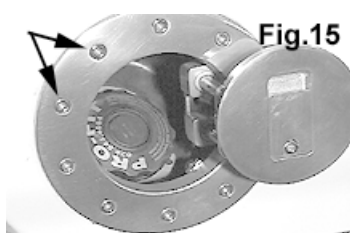


Fig. 15

(cont.)
opened. Use your key to open your trunk when needed. Apply the wire tie holders to the underside of the trunk. Use the wire ties to fasten harness to the wire tie holders.

Note: One option is to wire your own momentary switch to the fuel door, instead of splicing into the wires for the trunk release connector and keeping it disconnected. This way you retain the use of the trunk release button, and have a second button to open the fuel door.

Step 12*
Locate the end of the fuel door cable that was threaded into the trunk. Mount the fuel door cable into the slot on the end of the actuator bracket (Fig. 11). Tighten using 7/16" wrench.

Step 13*
Remove the screw on the end of the actuator using 7/64" hex wrench. Thread the screw through the end of the fuel door cable, then screw back in. Note that the screw is not tightened completely. It is only tightened to a point where the end of the screw is flush with the actuator (Fig. 12, arrow).

Step 14*
Clean the vertical surface on the underside of the quarter panel at the point indicated (Fig. 13, arrow). Peel off the paper strip on the actuator bracket to expose the tape and attach the actuator to the quarter panel. Note that the end of the fuel door cable must be oriented towards the front of the car (Fig. 14 shows orientation).

Step 15
Using the large hex wrench, screw in the hexhead bolts (Fig. 15, arrows). Replace stock gas cap.

For Manual Non-Locking fuel doors only:
Use the supplied L-shaped puller to open the fuel door by sliding the puller underneath the center latch. Pull outward to open the fuel door.

All done! Enjoy your Pro-Fit Mustang Fuel Door!

* = Step applies to electric locking kit only