

Pro-Lock Fuel Security System
 With emergency pull cable
 2002-2009 GM SUV (non XL models) - Installation Instructions

PARTS LIST



Pro-Lock unit with attached emergency pull cable and motor (QTY 1)	Allen wrench (QTY 1)
Wiring harness (QTY 1)	Fuse tap (QTY 1)
Tamper proof stainless steel screws (QTY 2)	Fuse (QTY 1)
Tamper proof tool (QTY 1)	Spacer (QTY 1)
Stainless steel washers (QTY 2)	Wire ties (QTY 8)

TOOLS NEEDED





Power drill	Torx screw bits
½" unibit	Small ratchet and sockets
Marker or tape	Snips or scissors
Flathead screwdriver or panel popper	Center punch or Philips screwdriver
Marker	Hammer

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WARNING: DO NOT PERFORM THIS INSTALL NEAR A FLAME OR SPARK SOURCE DUE TO THE RISK OF FIRE OR EXPLOSION FROM GAS FUMES. ENSURE ADEQUATE VENTILATION AT ALL TIMES!

	<p>Open stock fuel door and remove gas cap. Place a clean rag into the fuel filler neck to prevent anything from dropping in.</p>
	<p>Remove the three fuel neck flange screws surrounding the fuel filler neck, then remove the two torx screws at the top of the bucket.</p>
	<p>Insert a panel popper or flathead screwdriver at the 6 o'clock position on the bucket and gently push upwards to remove the plastic push fastener as shown. Be careful not to mar the paint. Remove the bucket and set it aside.</p>
	<p>Lay bucket face down. Trim and place the template on the right side of the bottom of the bucket, aligning it with the existing screws. Using the 1/2" unibit, drill a hole the size of the circle as shown on the template.</p>

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Cut the remaining section of plastic between the drill hole and fuel neck opening with snips or scissors. This allows for clearance of the Pro-Lock shaft.



Reinstall the fuel bucket and reattach the two torx screws loosely.



Move the fuel filler neck to the right out of the way and slip the Pro-Lock unit (motor first) through the bucket.



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Move the fuel filler neck back into position. Align the Pro-Lock unit screw holes with the fuel bucket and fuel neck flange screw holes, then loosely reinstall one of the original fuel neck flange screws in the hole at the far right (as shown). This will hold the fuel bucket and fuel neck flange together.



Align the Pro-Lock unit, fuel bucket and fuel neck flange screw holes, then attach the supplied stainless steel washer and tamper proof screw to the remaining two holes. Note that the original two fuel neck flange screws will no longer be used. Tighten with the supplied tamper proof screw tool, then tighten the original fuel neck flange screw.



Open the rear hatch. On the driver's side pull off the sectioned panel to expose the compartment for your jack and lug wrench.



Mark with a marker an unobstructed area in the compartment as shown. Use a punch or screwdriver to indent the panel. Remove the jack and lug wrench.

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Use a 3/8" drill bit or 1/2" unibit to drill a hole up to 3/8" only at the marked location. This will be the hole for the emergency pull cable.

From underneath the vehicle, remove the top jam nut from the emergency pull cable and push the pull cable up through the hole until the bottom jam nut makes contact. Go back to the compartment and reinstall the top jam nut from the top to secure the cable in place. Tighten the top jam nut while making sure that the cable loop is accessible.

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Test the Pro-Lock emergency release several times by repeatedly pulling the emergency pull cable and closing the Pro-Lock to make sure that the Pro-Lock system is working consistently. If everything is working correctly, replace your jack and lug wrench into the compartment, then reinstall compartment panel and close the rear hatch. If the Pro-Lock has difficulties opening, make sure the conduit underneath the vehicle is not kinked and there are no sharp bends.



Remove the driver's side kick panel and plastic trim piece on rocker panel by pulling straight out. Pull the carpet back and look for a rubber grommet on the floor pan. Snake the wiring harness through the grommet (from the inside out), down the exterior frame rail towards the rear of the vehicle. Use the supplied wire ties to secure the wiring harness.



Connect the two wires from the wiring harness to the motor in **REVERSE POLARITY**:

- wiring harness black wire to actuator **BLUE** wire
- wiring harness red wire to actuator **GREEN** wire

By reversing the polarity, this allows the motor to pull instead of push. Note that no damage will occur if you do not reverse the polarity, but your Pro-Lock will not function properly.

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At the other end of the wiring harness (inside the passenger compartment), connect the black wire from the wiring harness to chassis ground. The red wire from the switch should then be routed behind the dash to the vehicle's fuse box



Remove the fuse box cover on the side of the dash. Locate a 20A fuse that has a constant 12 volts, such as the one for the horn. Do not use a switched voltage source. Remove this fuse and add the fuse tap. Connect the red wire from the wiring harness switch to the fuse tap. Reinsert fuse.



Test function by pressing switch and listening for the Pro-Lock release. Close the Pro-Lock and open with the switch several times to test.

Replace the kick panel and plastic trim. Mount the switch in the desired location, such as the rectangular cutout next to the emergency brake. You can use a file to lengthen the rectangular cutout so the switch can be installed.

All done! Enjoy your Pro-Lock fuel security system.