

Pro-Lock Fuel Security System
 Basic kit
 2002-2009 GM SUV and trucks - Installation Instructions

PARTS LIST







Pro-Lock unit (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	

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!

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	<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.





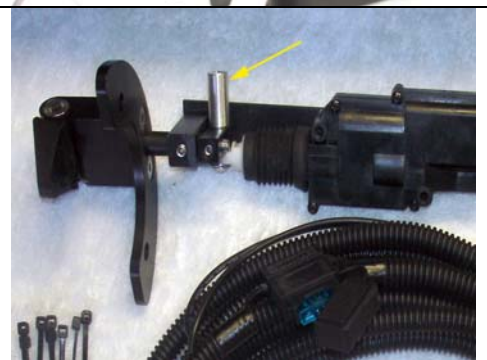

Reinstall the fuel bucket and reattach the two torx screws loosely.



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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	<p>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.</p>
	<p>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.</p>
	<p>The Pro-Lock is equipped with an emergency unlock function. Test the function by going underneath the vehicle and pulling the unlock rod (arrow) towards the Pro-Lock motor.</p>
	<p>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.</p>

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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.



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.



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	<p>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.</p> <p>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.</p> <p>All done! Enjoy your Pro-Lock fuel security system.</p>
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