

INSTRUCTIONS

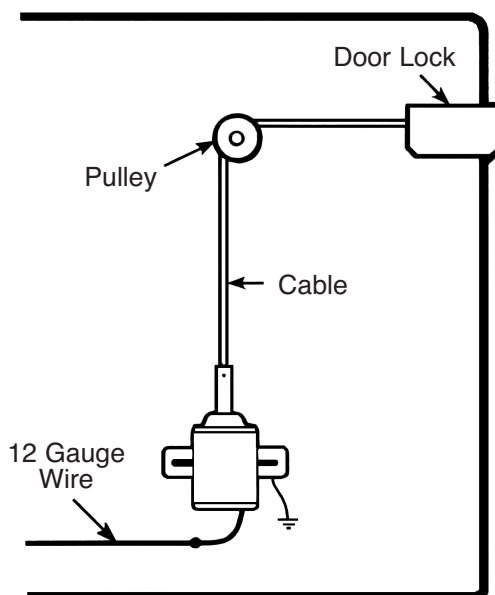
910-69210

Speedway Motors, Inc. May, 2007

ELECTRIC DOOR RELEASE KIT

This Electric Door Release Kit is a universal kit. Installation will be different for each vehicle on which it is installed, and some light fabrication may be necessary. Please read these instructions carefully and realize that you may need to tailor the kit to fit your vehicle. All electrical work should be done with the battery disconnected.

1. Remove door panel.
2. Study the latch mechanism to determine how it is released by the interior and exterior door handles. Determine which lever needs to be pulled by the solenoid to release the door latch.
3. Find a sturdy mounting location for the solenoid. On some vehicles you can mount the solenoid in line with the latch mechanism, so the cable pulls on the latch at the same angle as the original door handle pull rod. On other vehicles you will need to mount the solenoid low on the door, at an angle to the latch release, to avoid interference with window mechanisms and other internal door parts. If the solenoid must be mounted low you can use one of the supplied pulleys to change the direction of pull, as illustrated. The cable must wrap at least 90-degrees around the pulley to keep it from falling off.
4. To mount the pulley, drill a 3/16-inch hole and attach the pulley inside the door using the supplied hardware. Make sure the pulley is in line with the latch release.
5. Insert the solenoid in the supplied bracket; it is attached using the supplied two-sided tape. Mount the solenoid and bracket to the door, making sure they are secure and in line with the pulley and not in the way of any moving parts.
6. Connect the cable to the door latch release; you may need to drill a hole in the latch arm to feed the cable through. Trim the cable to length, making sure it has enough tension to hold the solenoid plunger up and that its connections are tight.
7. You can do a preliminary check of your system by manually pulling the cable to see if it releases the latch. The solenoid plunger has about $\frac{3}{4}$ -inch of total travel, but you want the latch to release after about $\frac{1}{2}$ -inch of travel.



8. To check that the solenoid operates electrically, you first need to make sure it is properly grounded. One of the solenoid's terminals should be wired to a reliable, confirmed ground.
9. Next, connect a temporary "hot lead" wire from the battery to the solenoid's other terminal. This should make the plunger react. If the plunger does not go in, there may be too much tension on the cable. Adjust as necessary until it works properly. Remember to disconnect the hot lead after testing; final wiring should be done through the supplied relays as instructed.

IMPORTANT

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