

PIONEER

Automotive Industries

Installation Instructions for CA-1191

Experience Level: Advanced- if you are not experienced, take this cable to a certified mechanic. Improper installation may cause transmission to engage an unexpected gear, or cause cable failure and result in serious injury.

Tools required: Phillips screwdriver, wide flat blade screwdriver, pliers, 15mm socket, 1/4" socket, safety goggles or face shield.

- 1) Set emergency brake, and chock wheels.
- 2) Remove driver's seat and lower dash.
 - A) Remove lower seat molding (2 Phillips Screws)



- B) Remove 4 seat bolts. (15mm Socket)



- C) Disconnect seat wiring.
 - D) Lift seat out of truck.
 - E) Remove door/carpet molding (3 Phillips Screws)



- E) Remove lower dash. (4 screws, 1/4" socket) and inner panel (2 screws, 1/4" socket)



- 3) Remove old cable
 - A.) Disconnect cable at transmission.
 - B.) Pop ball joint off with wide flat blade screwdriver



C.) Use screwdriver to release tabs at bracket.



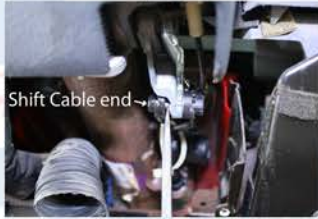
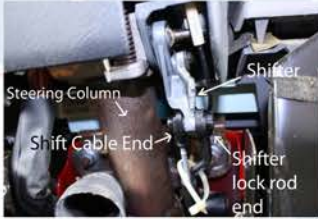
D.) Make sure cable is clear of guide.



E.) Pull carpet up as high as possible. Remove floor grommet and pull cable out.



F.) Tilt steering wheel to upper position. Place shifter in 1st gear position. Use wide blade screwdriver to pop off end of shift cable.



G.) Use screwdriver to release tabs at mounting bracket (on steering column) under dash.



E.) Remove cable from truck.

4) Install NEW cable.

A.) When going back in with a new cable try not to bend it from the mounting lug to end of the ball joint. Slide cable under the carpet as shown.



B.) Snap mount lug into mounting bracket (on steering column) under dash.



C.) Attach shift cable end to the left side of shifter.



NOW PLACE SHIFTER IN PARK POSITION.

D.) Place cable in clip under carpet. Run cable behind airbag sensor and out floor.



Do NOT install body grommet at this time. Go back under truck.

E.) Under Truck - Transmission lever should still be in park position.

- 1) Align clip in mount.
- 2) Make sure cable is in guide.



STOP There are two types of cable ends for the transmission.
Type A and Type B.



IF YOU HAVE TYPE "A" KEEP READING.

IF YOU HAVE TYPE "B" SKIP TO STEP G.

F.) Installing cable end to transmission lever. (TYPE A)

- 1) Pull back white retainer on cable end.
- 2) Pull up on black lock. Do Not let go of end, its spring loaded.
- 3) Be gentle and press end on evenly, or you may damage cable end.
- 4) Adjust cable-slide metal rod into cable end until cable is snug.
- 5) Push lock back in and place retainer back into position.



Now go to Pre-Test Instructions.

G.) Installing cable end to transmission lever. (TYPE B)

- 1) Snap cable end onto transmission shift lever.
- 2) Remove anti-lock tab and discard.
- 3) Adjust cable by sliding metal part into plastic end until cable is snug.
- 4) Push white lock down.
- 5) Slide black lock cover over white lock.



Pre-Test

Turn key to on position, but DO NOT crank. Move shift lever from Park through each gear position to insure no binding. Return shifter to Park position. The cable is properly adjusted when the steering column indicator lights are the same as the transmission engagements.

-Go back under carpet

-Press in body grommet. It is made to seal tight.

MAKE SURE CABLE IS ROUTED BEHIND STUD MOUNT AND LAYS IN THE CHANNEL BEHIND THE AIRBAG SENSOR. MAKE SURE CABLE DOES NOT COME NEAR THE SEAT BELT HOLES.



Test shifter again. If ok then reinstall carpet molding, seat, seat wiring, lower seat cover, and dash panels. *Test shifter again. If its too tight -STOP- or you will break the cable. The seat has pinched the cable. Remove seat and route cable so that it is not near the seat belt holes.