

Front Seat Track Motor

Special Tool(s) / General Equipment

Electric Drill

Removal

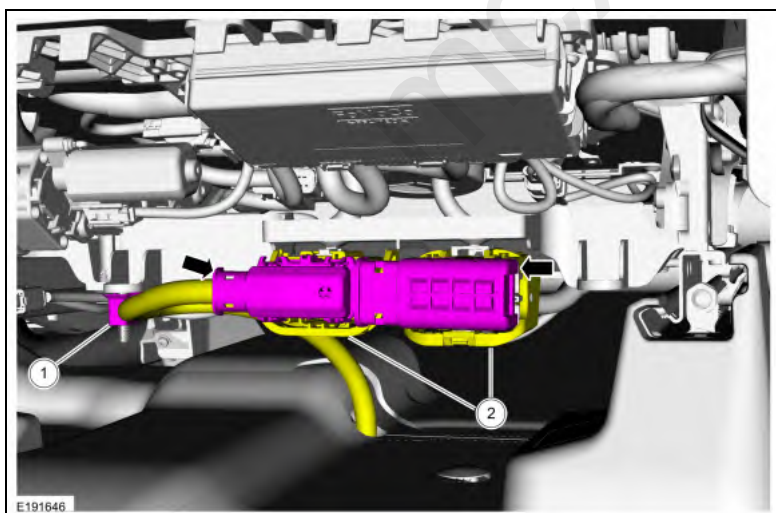
NOTE: Driver seat shown, passenger seat similar.

1. **NOTE:** Positioning the front seat fully upward provides access to service the front seat track motor with the seat in the vehicle.

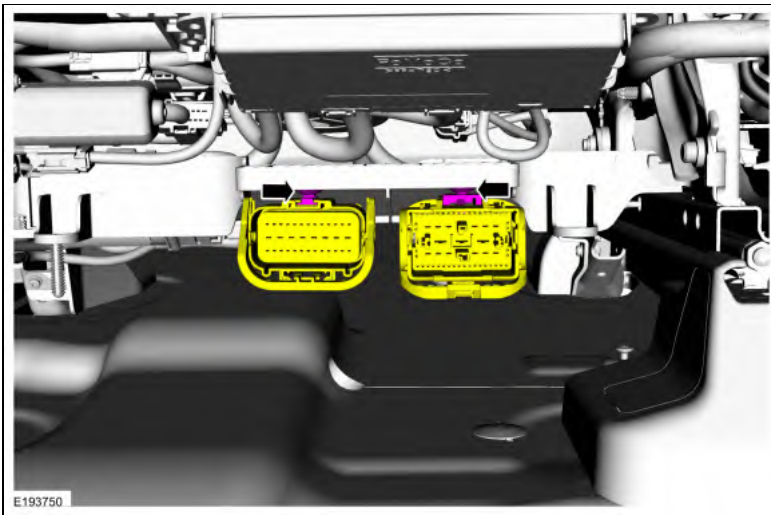
Move the front seat to the full upward position.



2. Depower the SRS.
Refer to: Supplemental Restraint System (SRS) Depowering (501-20B Supplemental Restraint System, General Procedures).
3. Disconnect the front seat harness electrical connector(s).
 1. Detach the wiring harness from the pin-type retainer.
 2. Release the locking tab(s) and rotate the position assurance lever(s).

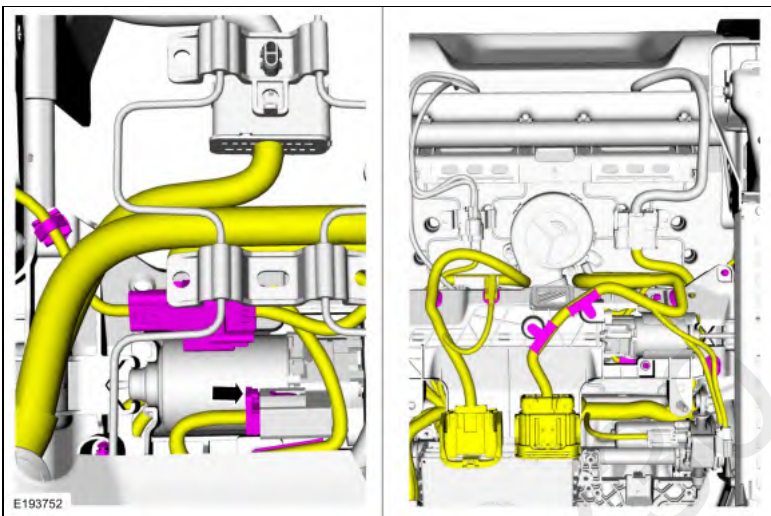


4. Detach the front seat track wiring harness connector retainer(s) from the front seat track motor.



5. **NOTE:** Front seat track components are removed for clarity.

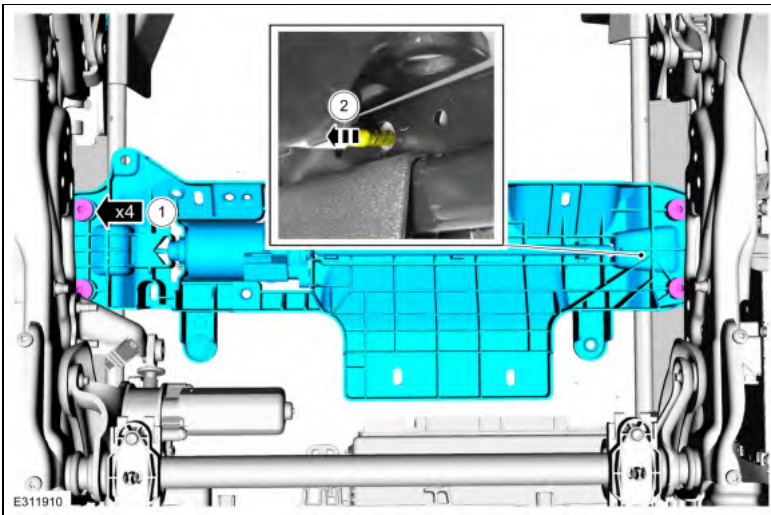
Disconnect the front seat track motor electrical connector, detach the front seat wiring harness retainers and position the front wiring harness aside.



6. **NOTE:** Front seat track components and front seat wiring harnesses are removed for clarity.

Remove the front seat track motor.

1. Remove the bolts.
2. Position the long front seat track motor drive cable out of the front seat track gearbox.



Installation

All seats

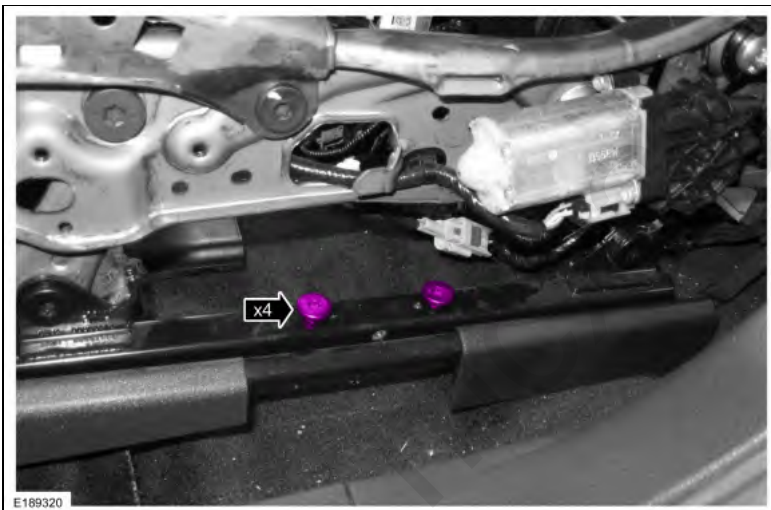
1. As necessary, transfer components to the new front seat track motor.
2. **NOTE:** Typical front seat track shown, other front seat tracks similar.

NOTE: Use the bolts from the old front seat track motor.

NOTE: Front seat side shield removed for clarity.

Install the front seat track motor bolts.

Torque: 21 lb.ft (28 Nm)



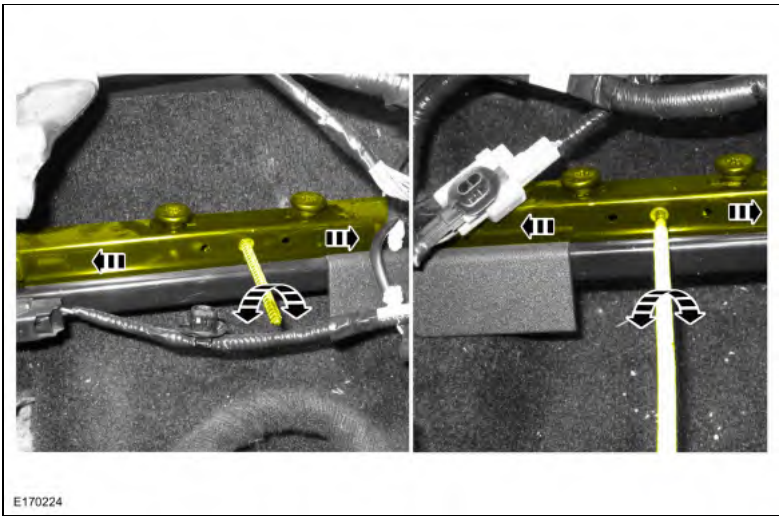
3. **NOTICE:** When using a drill to move the seat track, do not move the seat track to its forward or rearward end of travel stops, otherwise a new seat track must be installed.

NOTE: Typical seat track shown, other seat tracks similar.

NOTE: Be sure to drive the seat track evenly or the track will bind during movement.

NOTE: Rotate the cables using 2 drills operating at similar speeds to most efficiently position the seat track.

Insert the original front seat track motor drive cables and drive the gearbox and seat track uniformly until the front edge of the upper and lower front seat tracks are flush.
Use the General Equipment: Electric Drill



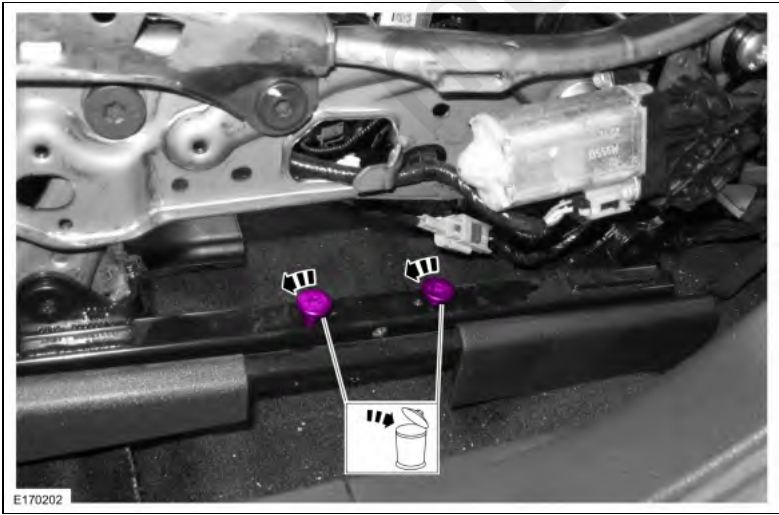
4. The front edges of the upper and lower front seat track rails must align with each other on both sides of the front seat.



5. **NOTE:** Typical front seat track shown, other front seat tracks similar.

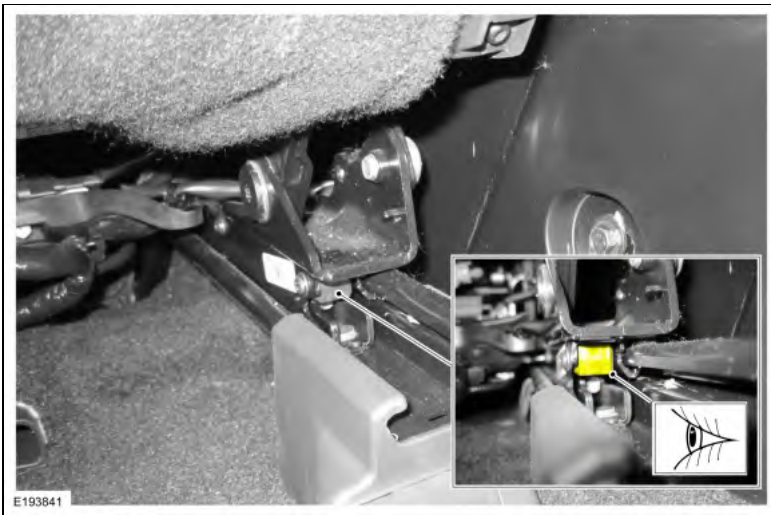
NOTE: Front seat side shield removed for clarity.

On both sides, remove the front seat track motor bolts.

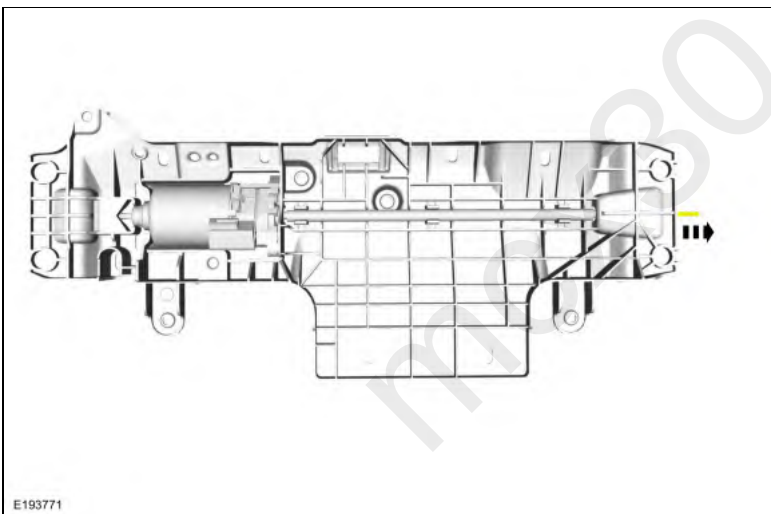


6. **NOTE:** Install a new front seat track if the block is not in place.

Verify the block is in place at the rear of the inboard front seat track rail.



7. To aid installation, pull the long drive cable on the new motor assembly out of the sheathing.



8. **NOTE:** *Typical seat track shown, other seat tracks similar.*

Position the front seat track motor and bracket assembly while inserting the long cable into the seat track gearbox.



9. **NOTE:** Typical seat track shown, other seat tracks similar.

Rotate the long drive cable to verify engagement to front seat track gearbox.

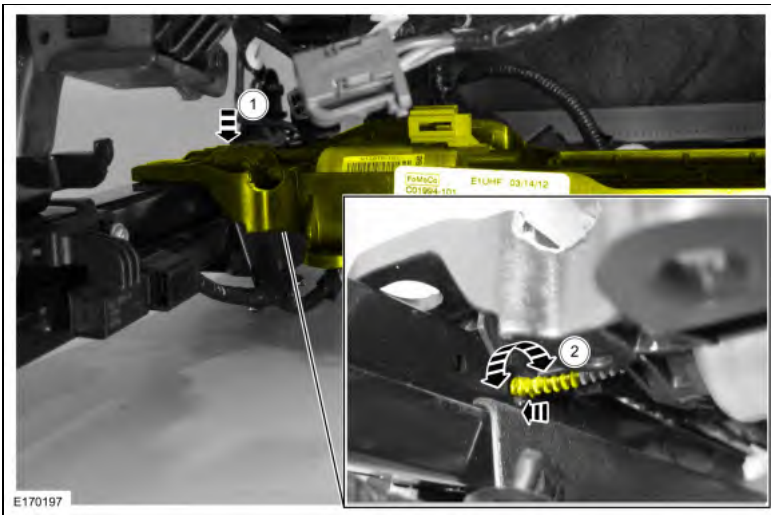


10. **NOTICE:** Do not severely bend the short drive cable during installation or damage to the cable will occur.

NOTE: Typical front seat track shown, other front seat tracks similar.

Insert the short drive cable into the front seat track gearbox.

1. Position the front seat track motor while inserting the short cable into the front seat track gearbox.
2. Rotate the short drive cable to verify engagement to front seat track gearbox.

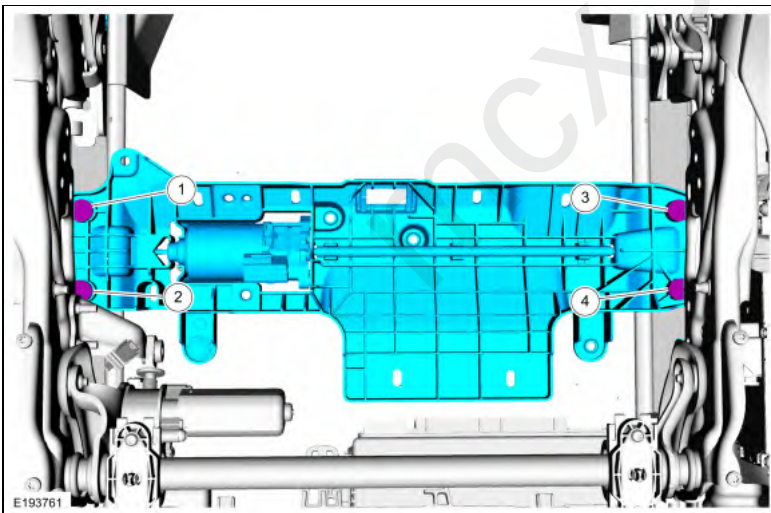


11. **NOTICE:** Do not cross-thread the bolts as they are load bearing. If the bolts are cross-threaded, a new front seat track must be installed.

NOTE: Front seat track components and wiring harness are removed for clarity.

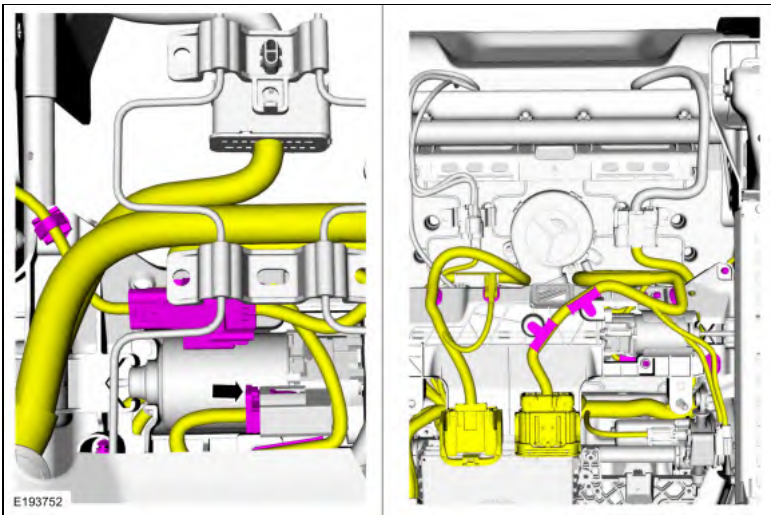
Install the seat track motor and install the new bolts in the sequence shown.

1. Install the rear inboard bolt.
Torque: 21 lb.ft (28 Nm)
2. Install the front inboard bolt.
Torque: 21 lb.ft (28 Nm)
3. Install the rear outboard bolt.
Torque: 21 lb.ft (28 Nm)
4. Install the front outboard bolt.
Torque: 21 lb.ft (28 Nm)

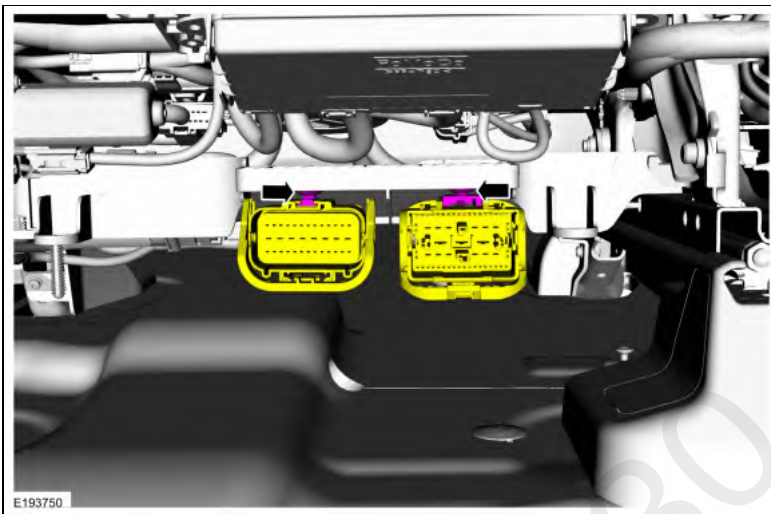


12. **NOTE:** Front seat track components are removed for clarity.

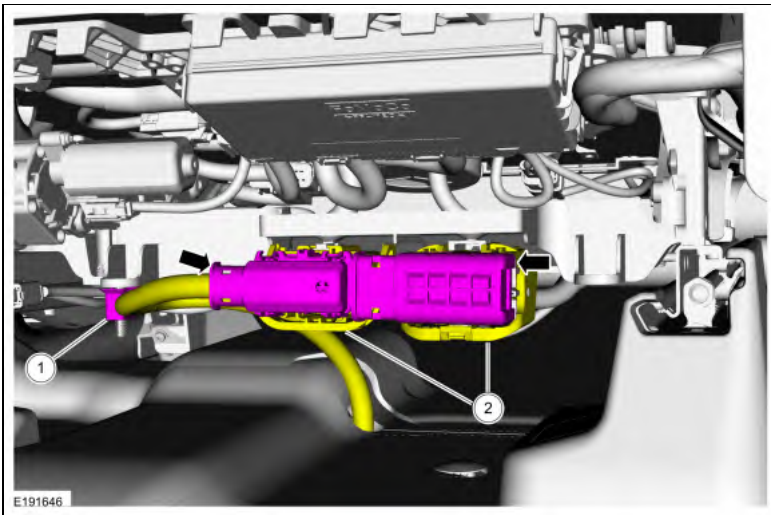
Connect the front seat track motor electrical connector and engage the front seat wiring harness retainers.



13. Attach the front seat track wiring harness connector retainer(s) to the front seat track motor.



14. Connect the front seat harness electrical connector(s).
1. Attach the wiring harness to the pin-type retainer.
 2. Rotate the position assurance lever(s) to the locked position.



15. Repower the SRS.
Refer to: Supplemental Restraint System (SRS) Depowering (501-20B Supplemental Restraint System, General Procedures).

Driver seat with memory

16. Operate the front seat track horizontal motor in all directions through the full range of travel to set soft stops and avoid a premature stopping point occurrence after the vehicle is returned to the customer.