POWER STEPS 15-20 FORD F-150 SuperCrew (All trims)

INSTALLATION INSTRUCTIONS

Mechanical PARTS LIST:

Qty	Item Description	Qty	Item Description
2	Running Boards (85in)	12	M8 Nylon Lock Nuts
1	Driver/Left Front Bracket Assembly	12	Flat Washers 8mm x 24mm x 2mm
1	Passenger/Right Front Bracket Assembly	8	M6 Carriage Bolts
1	Driver/Left Rear Bracket Assembly	12	Plastic Insulator
1	Passenger/Right Rear Bracket Assembly	8	M6 Flange Nuts
1	Electronic Materials Package	10	Zip Ties
1	Rubber Sleeve		

Electronic Materials Package PARTS LIST:

Qty	Item Description	Qty	Item Description
1	Main Harness	1	ECU
2	LED Y-Harness	4	LED lights
2	Wire Taps		





2 Next, line up front mounting bracket slots to the studs and place Driver Side/Left Front Bracket Assembly (A) onto rocker panel. Then fasten Nylon Lock Nuts (I) and washers (H). Do not tighten all the way yet.



3

Locate rear mounting points. Apply a plastic insulator (F) to each stud before mounting the Driver Side Rear Bracket Assembly (B). Next, line up rear mounting bracket slots to the studs and place Driver Side/Left Rear Bracket Assembly (B) onto rocker panel.



Then fasten Nylon Lock Nuts (I) and washers (H). Do not tighten all the way yet. For vehicles with e-brake cables on the Driver Side, take the rubber sleeve in the kit and slide over the brake line, near backside of the bracket assembly, to protect the line from wear. Attach sleeve to line using RTV silicone sealant.

Repeat steps 1 – 3 for the Passenger Side.



8-11-23 (CC, JI)



Locate the OBD-II Port under the steering wheel, near the front hood release lever. Unbolt the two flanged nuts using a socket for easier access to the rear side of the plug.



12 Identify wire configurations from back of the OBD-II Connector and continue with the appropriate steps depending on type of connector.

If wires are connected in a **single row** (*Smart Data Link Module*), **follow Step 12A**. If wires are connected to **both rows** (*Standard OBD-II Connector*), **follow Step 12B instead**.

PART A: Confirm wires are connected to only single row behind OBD-II Connector (Smart Data Link Module). Connect the High and Low wires from the main harness (J) using the supplied wire taps (L). After successfully connecting the wires, return the module back into its place, tighten the previously removed nuts, and check that it is secure on the bracket.



PART B: Confirm wires are connected in two rows (Standard OBD-II Connector). Identify the appropriate wires on back of the plug which correspond to the indicated positions on the front of the plug. Connect the Yellow (Low) and White (High) wires from the main harness (J) using the supplied wire taps (L). After successfully connecting the wires, return the module back into its place, tighten the previously removed nuts, and check that it is secure on the bracket.





Use the notch in the board's end caps to feed the bolts into the channel.



18

Perform a function check by closing the driver side front door and opening it again. The front bracket assembly (A) motor should activate the linkage arm and move it into the down or "deployed" position.

After deploying linkage arms, unplug main harness connector while front door is open to hold the board in the deployed position for running board installation.

Line up the carriage bolts (E), under the power step boards, with the slots on the linkage arms (A & B). Insert the 4 carriage bolts (E) into the slots on front and rear linkage arms. Adjust board to desired position. Moderately hand tighten the flange nuts (G) onto the carriage bolts.



Once the board is adjusted, plug in main harness (J) connector to return power to the linkage arms. Open and close doors several times to deploy and retract the steps to settle the steps into their natural alignment. After cycling the step, tighten all hardware on the board and brackets.

Some further adjustment may be required for desired step position. Repeat for passenger side.

19 Perform system check and troubleshooting. If board is making irregular movements or noise, readjust the boards as follows:

a) With board deployed loosen 6mm flange nuts under board.

- b) Leave the flange nuts slightly less than snug.
- c) Open and close door several times for board to settle into position.
- d) With the step in the deployed position, gradually tighten flange nuts while alternating between each. Do not over tighten.

If board is making abnormal noise or the motion is binding, repeat steps "a" through "d".

Note: If the above method does not resolve the issue, the brackets mounting to the vehicle may not be aligned properly with the vehicle. In this case, remove the board and realign brackets before attempting steps "a" to "d" once again.

20

Reinstall any remaining trim panels if necessary. Check and make sure all hardware is fully tightened. Perform a final system check. Finish.

*NOTE: If board does not move during troubleshooting, flip the CAN Signal High and Low wires.