APPLICATION     LENGTH     MODEL YR              PART #
Ford F-250 / F-350 / F-450 Regular Cab * (48")   2002-2003, 2008 - 2012 75134-01A
Ford F-250 / F-350 / F-450 Super Cab * (60")   2002-2003, 2008 - 2012 75134-01A
Ford F-250 / F-350 / F-450 Crew Cab (79") 2002-2003, 2008 - 2012 75134-01A

*Modification required to running board assembly. See Item 1 on page 3.

TOOLS REQUIRED
- Safety goggles
- Measuring tape
- Flat blade screwdriver
- Phillips head screwdriver
- 13mm socket
- 8mm socket
- Ratchet wrench and extension
- Wire crimpers
- Wire stripper / cutter
- 3/16" hex key (allen wrench)
- 4mm hex key (allen wrench)
- Electrical tape
- Silicone caulk (sealer)
- 25/64" Drill Bit
- 9/32" Drill Bit

INSTALLATION TIME
3-5 Hours
Professional installation recommended

SKILL LEVEL
1 2 3 4
4= Experienced
INSTALLATION GUIDE
Attaching motor to linkage assembly

The motors must be attached to the linkage assemblies before continuing the installation process.

CAUTION: HANDLE WITH CARE.

To ensure our customers receive all components with full integrity, we pack the motors separate from their linkage assemblies. This requires that the installer position and fasten the motor before continuing with the install. Please follow the instructions below and handle the assembly carefully.

CAUTION: Dropping the assembly or any excessive impact MAY cause damage to the motor.

Instructions:

1. Position the gear cover in place as shown if not already in place.

2. Seat motor into position on the three mounting bosses. This may require an adjustment of the gear by moving the swing arms.

3. After seating into place, fasten the motor with the three motor mount screws with 4mm Hex Head. Tighten screws to 36 in-lbs (4N-m). Do not over torque.
### Note: Some Applications require modification.

<table>
<thead>
<tr>
<th>Application</th>
<th>Cut Length</th>
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<tbody>
<tr>
<td>Crew Cab</td>
<td>79&quot; (No Modification Required)</td>
</tr>
<tr>
<td>Super Cab</td>
<td>60&quot; (Trim 19&quot;)</td>
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<tr>
<td>Regular Cab</td>
<td>48&quot; (Trim 31&quot;)</td>
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</table>

Running board assembly:
- (A) 19-03763-90 End cap left (x1)
- (B) 19-03760-90 End cap right (x1)
- (C) 19-02663-90 T-nut insert (x2)
- (D) 19-02802-90 Socket cap screw (x2)
- (E) 19-03761-90 End cap wedge right (x1)
- (F) 19-03764-90 End cap wedge left (x1)

Idler linkage assembly:
- 10-02641-14

Motor linkage assembly:
- 10-02624-14

Wire harness:
- 19-03473-92L

Type-B Controller:
- 19-03297-B05
### Parts List and Hardware Identification

<table>
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<tr>
<th>Part</th>
<th>Description</th>
<th>P/N</th>
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<tr>
<td>7</td>
<td>Hex bolt</td>
<td>19-02487-90</td>
</tr>
<tr>
<td>8</td>
<td>Button head - M10</td>
<td>19-02485-90</td>
</tr>
<tr>
<td>9</td>
<td>Socket cap screw</td>
<td>19-02849-90</td>
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<tr>
<td>10</td>
<td>Socket cap screw</td>
<td>19-02802-90</td>
</tr>
<tr>
<td>11</td>
<td>Nylock nut</td>
<td>10-00115-60</td>
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<tr>
<td>12</td>
<td>U-nut</td>
<td>19-02488-90</td>
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<tr>
<td>13</td>
<td>Large OD Washer</td>
<td>19-02389-90</td>
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<tr>
<td>14</td>
<td>Washer (stainless)</td>
<td>19-02486-90</td>
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<tr>
<td>15</td>
<td>Washer (black)</td>
<td>16-03014-90</td>
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<tr>
<td>16</td>
<td>Nylock nut</td>
<td>19-03353-90</td>
</tr>
<tr>
<td>17</td>
<td>Cable tie (11”)</td>
<td>19-03339-90</td>
</tr>
<tr>
<td>18</td>
<td>Cable tie (7”)</td>
<td>19-02805-90</td>
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<tr>
<td>19</td>
<td>Brake cable bracket</td>
<td>16-03048-90</td>
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<tr>
<td>20</td>
<td>Posi-Tap® connector</td>
<td>19-03354-90</td>
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<tr>
<td>21</td>
<td>Grommet</td>
<td>19-02640-90</td>
</tr>
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<td>22</td>
<td>LED Lamp</td>
<td>19-03302-90</td>
</tr>
<tr>
<td>22</td>
<td>Butt connector</td>
<td>19-03911-90</td>
</tr>
</tbody>
</table>
Driver Side Shown

**NOTE:** Driving Linkage assembly mounts in the front; idler mounts in the rear. (Superduty and Excursion)

1. Use second and last set of mounting holes, counting from the front.

2. Torque fasteners to 16 ft-lbs. (22 N m).

3. Note: Excursion requires hole to be drilled in body for rear linkage. Use 25/64” Drill Bit.

4. Steps 4 & 5 for 2008-Current Model Years Only
   - Disengage parking brake.
   - Pull parking brake cable rearward from forward support bracket to create slack in cable. Secure cable slack with locking pliers.

5. Remove cable from rear support bracket and install cable bracket extension with large washer on front side of bracket. Re-install parking brake cable and remove locking pliers.
Remove fuse from harness.

Secure controller to vehicle wire loom beside battery (on passenger side) and connect both Power Step wire harness connectors to connectors on controller. Secure locking tabs on connectors.

Connect power and ground for controller to battery, Red to positive and Black to the negative lead. Route harness legs down over wheel wells toward motor linkages, long leg across front and over to driver side.

Secure all loose sections of the harness with cable ties.

Run wire legs down and along underside of vehicle floor, securing with tie wraps. Run trigger wires (4) on passenger side through grommet as shown below.
10. Open passenger door and remove sill plate and kick panel.

11. Roll back carpet and pull trigger-wire through grommet. Use silicone glue to seal holes in grommet.

2008-Current Wiring (for 2002-2003 models skip to step 13)

Using supplied PosiTaps®, connect trigger wires into corresponding door ajar wires. The Power Step trigger wires color coordinate with the factory door ajar wires. Note the differences explained below for Regular Cab and Super Cab.

Front Driver-Side Door: Dark Green with Purple stripe
Note: Some later models will have a Light Green with Purple stripe. **Using an Ohm meter the correct wire will ground when the front door is closed and OL with the front door open.**

Rear Driver-Side: Dark Green
Note: Some later models will have a Light Green wire. **Using an Ohm meter the correct wire will ground when the rear door is closed and OL with the rear door open.**

REGULAR CAB/SUPER CAB NOTE: Connect this wire to passenger front door wire also (White), because these models don’t have rear door ajar wires.

Front Passenger-Side: White... found just below flat loom as shown in the illustration above. Some later models may not have a Flat Loom. See image for no Flat Loom models.

Rear Passenger-Side: Yellow... the correct yellow wire continues on to back door. Pull on the yellow wire that leads to the back and does not cross over to driver side at junction; you’ll notice the movement of the correct wire up where we connect our trigger wires.

REGULAR CAB/SUPER CAB NOTE: Connect this wire to passenger front door wire also (White), because these models don’t have rear door ajar wires.
NOTE: Steps 13-23 are only for model years 2002-2003 with factory remote keyless entry. For all other model years continue to step 24.

2002-2003 model year trucks require that the Green and Green/Violet wires be routed over to the driver side of the vehicle. Attach extra wire length to both wires on the harness (Green and Green/Violet), and run under carpet from passenger side to driver side.

Open driver side door and remove sill plate and kick panel. Lift carpet and pull trigger wires to driver side.

Remove driver side front door panel. This will require removing multiple concealed bolts and paneling.

Door panel removal will require removal of door light lens and window corner trim.

Remover speaker and pull back door lining.

Insert plastic tubing (for wire routing) and run one trigger wire through to door compartment. Then remove the plastic tubing, pulling from door side.
**Driver Front Door Wiring:** Using Posi-Tap connector, connect the supplied additional wire (Red) to front door ajar wire (Yellow w/Black stripe).

**Driver Rear Door Wiring:** Attach second connecting wire on driver side to rear door ajar wire (Light Green w/Yellow stripe), found under front door sill plate.

**CAUTION:** You will find two wires with these colors; the correct wire will ground when the rear door is closed and OL with the rear door open.

**Passenger Front Door Wiring:** Using Posi-Tap connector, connect white trigger wire to front door ajar wire (Grey w/Red stripe). Run Yellow trigger wire toward rear.

**Passenger Rear Door Wiring:** Using Posi-Tap connector, connect Yellow trigger wire to rear door ajar wire (Pink w/Light Blue stripe). This wire is found rear of junction where wires route under front passenger seat.

**Note:** Steps 13-23 are for model years 2002-2003 with factory remote keyless entry (the unlock remote connected to your keys). For vehicles without factory remote keyless entry, contact AMP Research for additional instructions.
Secure wires and replace kick panel and sill plate. Be careful not to pinch any wires when replacing panels.

Plug in motors (both sides). Route remaining LED light wires back towards rear of vehicle.

Slide mounting T-nut into position. Mount Board and tighten fasteners to 10ft-lbs. Align the end of the board with the rear edge of the back door.

On each side of the vehicle measure from the front edge of door line on the pinch weld to the specified lengths below. Measure at 27” for front LED Light and 65” for rear LED Light.

Drill a 9/32” hole through the pinch weld at marked locations. Debur all holes.

Insert grommet into drilled holes. Insert lamp wires through the grommets. (Silicon lube will help wires slip through grommets.)
Affix lamp to rocker panel surface. Make sure lamp is affixed to a flat, clean surface.

Using supplied butt connectors, connect the lamp wires. Red to Red, Black to Black

Close and wrap with conduit and electrical tape. Secure all loose wires with cable ties, with lamp wires pulled upward to avoid any wire snagging.

Reinstall the fuse.
Check that all doors activate the Power Step and the LED Lights work when doors open and close. Reinstall any remaining trim panels.

**FINAL SYSTEM CHECK**
Check that all doors activate the PowerStep and the LED lights work when doors open and close.

**NORMAL OPERATION:** When the doors open, PowerStep automatically deploys from under the vehicle. When the doors are closed, PowerStep will automatically return to the stowed/retracted position. **Note that there is a 2-second delay before the PowerStep returns to the stowed/retracted position.**

**CORRECT OPERATION OF LIGHTS:** All four lamps will illuminate upon opening any door of vehicle. Lamps will stay on until restowing of both Power Steps or until 5 minutes has expired with the doors open. When the lights timeout after 5 minutes, they can be reillumintated by closing and opening any door of vehicle.