

Detroit Speed
Selecta-Speed™ Wiper Kit
1973-79 Ford F100 Truck
P/N: 121655

The Detroit Speed Selecta-Speed™ Wiper kit provides you with the performance and convenience of a late model wiper system in a package that easily and cleanly mounts in your 1973-79 Ford F100 Truck. The wiper motor contains a low profile, seven-speed wiper motor with five delays, low speed, and high speed, rotary switch, and wiring harness.



Item #	Description	Quantity
1	Wiper Motor Assembly	1
2	Wiper Control Module	1
3	Wiper Harness	1
4	Wiper Switch	1
5	Wiper Switch Nut	1
6	Wiper Switch Bracket	1
7	Wiper Motor Spacer	1
8	Hardware Kit	1
9	Instructions	1

This kit features a seven-speed wiper system with five delays, low speed, and high speed. The new pitman arm, included in the kit, bolts directly to your existing wiper linkage. A rotary switch is also included, along with the complete wiring harness.

This kit does feature a washer pump option as the wiper switch does have a push button function. The wiring harness/control module is equipped with a power and ground wire to install an inline electric washer pump. Detroit Speed does offer a washer pump kit available as part number 121102.

Installation Instructions:

1. Disconnect the battery power by removing the negative battery lead from the battery.
2. Before you remove the gauge cluster bezel, you will need remove the wiper switch knob from the dash by using a small blade screwdriver to release the wiper knob clip from the wiper switch. Remove the headlight knob from the dash by pressing the release button on the top of the headlight switch. (Figure 2). **NOTE:** The bezel has already been removed in the picture to show the headlight switch release button.



Figure 1 – Remove Wiper & Headlight Knob

3. Remove the gauge cluster bezel from the truck by removing all the screws (Figure 2).

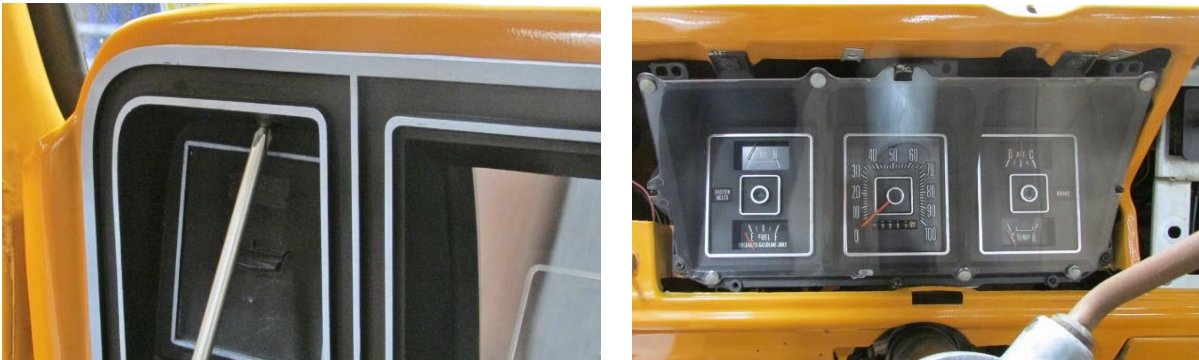


Figure 2 – Remove Bezel

4. Remove the speedometer cable and disconnect the wiring harness from the back of the gauge cluster. Remove the gauge cluster from the dash (Figure 3). Remove the heater controls and radio from the dash.



Figure 3 – Remove Gauge Cluster

5. Remove the factory headlight and wiper switch bracket from behind the dash by removing the switch nuts on the front side of the dash (Figure 4).



Figure 4 - Remove Factory Switch Bracket

6. Unplug the factory connector from the back of the wiper switch. Remove the factory wiper switch and tie up and loose wires. The Selecta-Speed switch will replace the stock switch.
7. Remove the hex nut and star washer from the DSE Selecta-Speed wiper switch (Fig. 5).



Figure 5 - Remove Nut & Washer

8. Place the switch into the DSE switch bracket making sure the anti-rotation tab lines up with the small hole in the bracket (Figure 6).

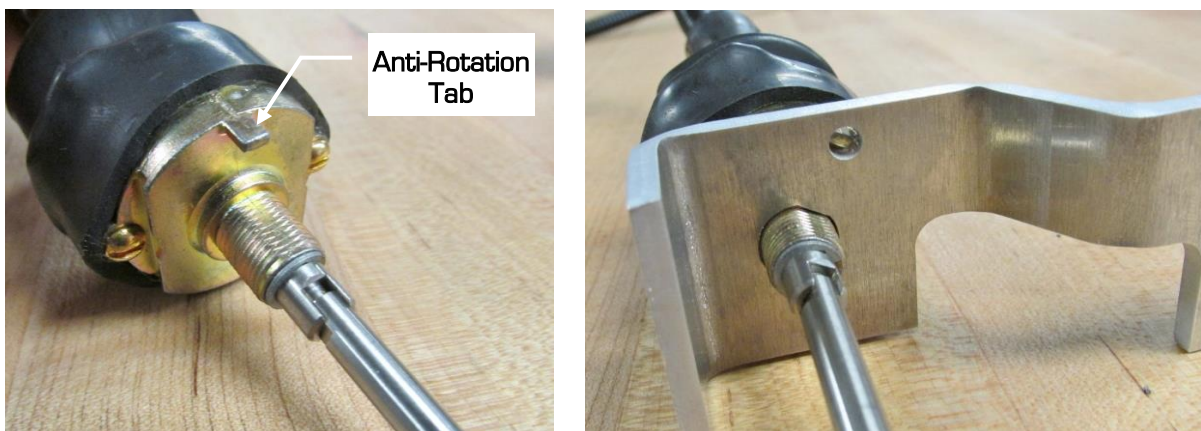


Figure 6 - Switch Bracket

9. Position the DSE wiper switch and bracket behind the dash. Install the wiper switch shaft through the wiper switch hole in the dash. Re-install the headlight switch to the DSE switch bracket and install the headlight switch nut through the dash and into the headlight switch to hold it in place (Figure 7).



Figure 7 - Install DSE Switch & Bracket

10. Install the provided DSE wiper switch nut over the wiper switch shaft and into the dash. Tighten the switch nut to the switch using a 3/4" socket (Figure 8). Make sure the anti-rotation tab lines up with the small hole in the bracket.

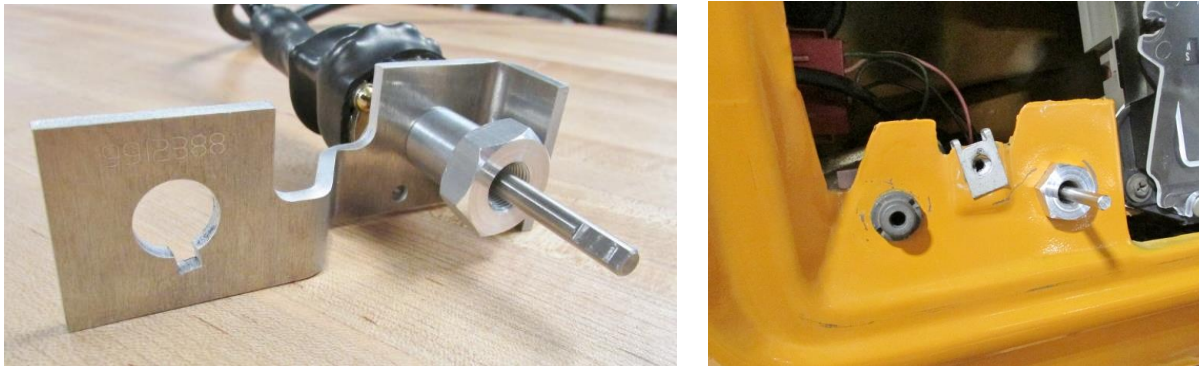


Figure 8 - Install DSE Wiper Switch Nut

11. Remove the dash support bracket below the wiper motor by first removing the bolt at the dash. Then remove the bottom wiper bracket bolt and remove the support bracket from the truck.
12. Disconnect the wiper linkage from the wiper motor pitman arm under the dash by removing the retaining clip from the wiper motor pitman arm (Figure 9).



Figure 9 - Retaining Clip

13. Push the wiper linkage off the wiper motor pitman arm stud. Remove the stock wiper motor and mounting bracket located under the dash by removing the remaining two bolts at the top of the wiper motor bracket.
14. The original wiring will not be used with the new Selecta-Speed Wiper Kit. A custom harness is provided to replace the original. **NOTE: If you decide to cut the old wires please pay special attention to properly terminate the wire ends to avoid possible shorting.**
15. Remove the dash support bracket that is below the wiper motor under the dash.
16. Remove the factory wiper motor, the factory star washers/grommets and the ground strap from the factory mounting bracket (Figure 10).

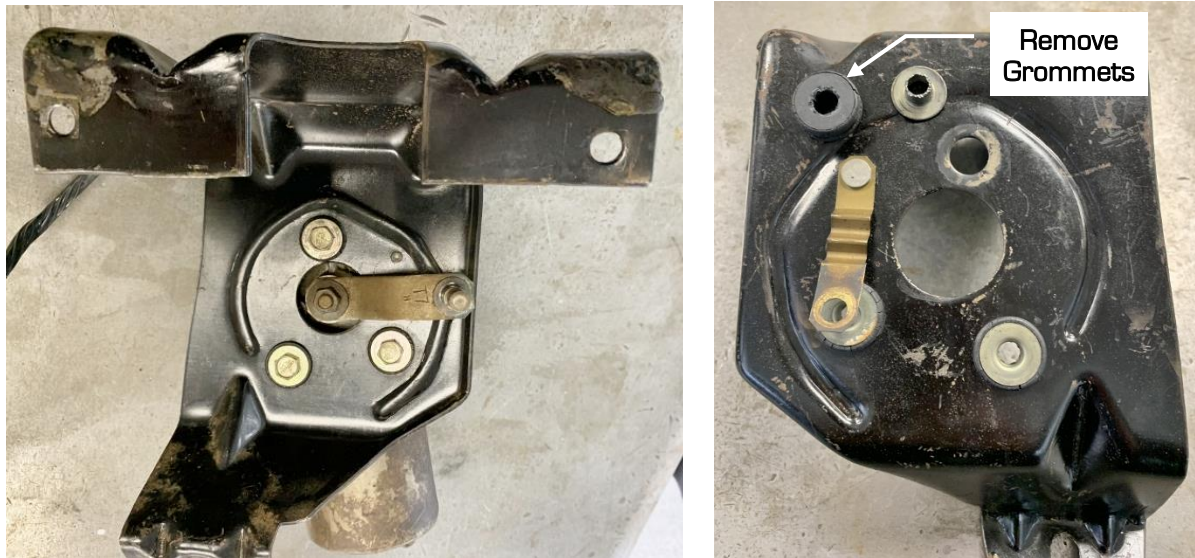


Figure 10 – Remove Motor & Grommets

17. Clamp the provided DSE wiper motor spacer on the mounting bracket so the large center hole lines up with the center hole in the bracket. Align one side of the spacer so it is parallel with the top edge of the mounting bracket (Figure 11).



Figure 11 – Wiper Motor Spacer

18. Use a transfer punch and locate the center of the three smaller holes to the bracket. Remove the spacer from the bracket and center punch the three small hole locations (Figure 12).



Figure 12 - Transfer Punch Bracket

19. Drill three small holes that were transferred from the spacer with a 17/64" drill bit through the mounting bracket (Figure 13).



Figure 13 - Drill Motor Mount Holes

20. Locate the new wiper motor assembly to the factory mounting bracket with the wiper motor spacer in between the wiper motor and the mounting bracket (Figure 14).



Figure 14 - Drill Motor Mount Holes

21. Use the provided M6-1 x 12 flanged head bolts to mount the wiper motor to the bracket and tighten (Figure 15).

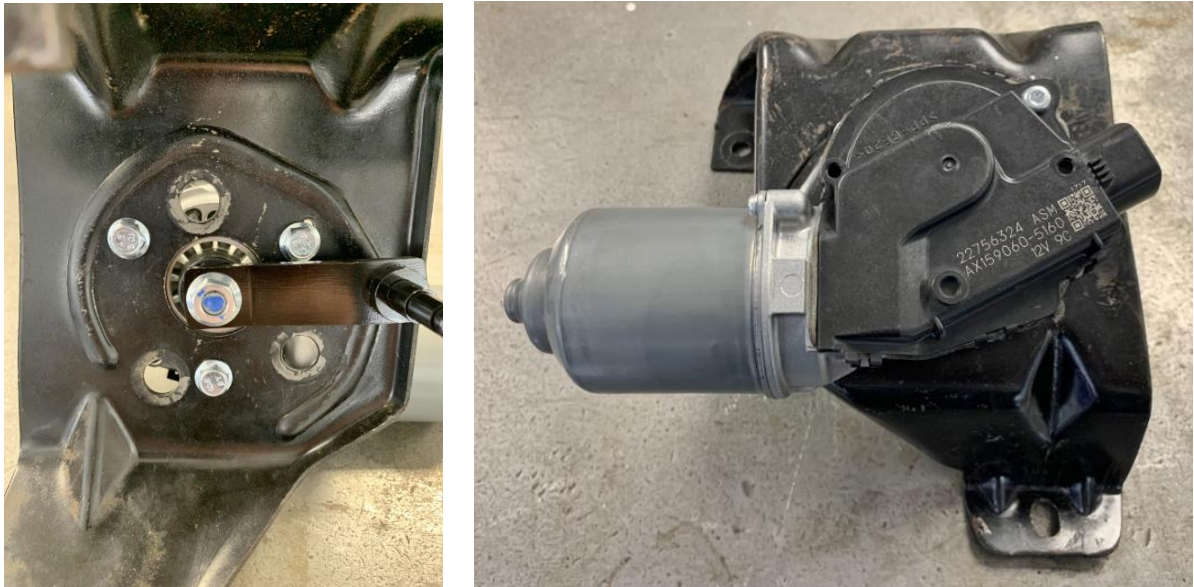


Figure 15 - Wiper Motor

22. Install DSE wiper motor and bracket to the firewall under the dash using the three factory screws (Figure 16).



Figure 16 - Wiper Motor

23. Attach the new DSE wiper motor pitman arm to the original wiper linkage using the factory retaining clip (Figure 17). **NOTE: The Selecta-Speed wiper kit is shipped with the pitman arm in the "parked" position.** Do not move the pitman arm by hand to attach the wiper linkage. If the pitman arm is moved from the original "parked" position from Detroit Speed, it may result in the wiper blades stopping in the wrong spot on the windshield.



Figure 17 – Attach Wiper Linkage to Pitman Arm

24. Install the wiper motor connector side of the wiring harness into the wiper motor (Figure 18).



Figure 18 – Wiper Motor Connector

25. Position the provided wiper control module to the bottom side of the factory dash support bracket that was removed in Step 14. Position the module on the bracket and mark two mounting holes (Figure 19).



Figure 19 – Position the Wiper Control Module

26. Drill two holes with a 1/4" drill bit at the locations marked in the previous step. Use the provided 8-32 hardware to mount the module to the bracket and tighten (Fig. 20).



Figure 20 – Mount the Control Module

27. Re-install the dash support bracket with the wiper control module back under that dash (Figure 21).



Figure 21 – Install Dash Support Bracket with Module

28. The Detroit Speed Selecta-Speed harness does include a weather pack connector to install an optional electric inline washer pump into your vehicle (Figure 22). Detroit Speed does offer a washer pump kit you can purchase separately as part number 121102.



Figure 22 – Washer Pump Connection

29. If you have purchased the Detroit Speed washer pump kit, use the instructions from that kit to complete the washer pump kit installation. If you do not want to use the washer pump feature, you can tie wrap this connector/loom up under the dash.

30. Install the 10-pin connector of the wiring harness into the wiper control module located on the dash support bracket. Install the 4-pin connector from the wiper switch and install it into the control module (Figure 23).

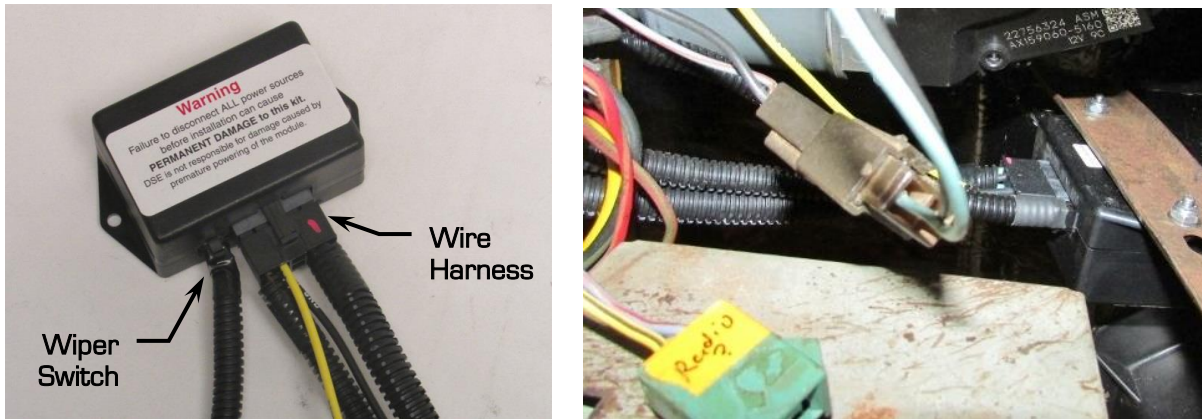


Figure 23 - Connect Wiper Switch & Harness to Module

31. Re-install the gauge cluster back into the dash. Re-connect the harness and the speedometer back into the gauge cluster. Re-install the heater controls and the radio.

32. Re-install the gauge cluster bezel with the DSE wiper switch coming through the wiper switch hole in the bezel (Figure 24).



Figure 24 - Re-Install Gauge Bezel

33. Slide the factory wiper knob onto the DSE switch shaft. Align the flat on the switch shaft with the flat on the wiper knob retaining clip. Re-install the headlight switch knob making sure it locks into the headlight switch.

34. Connect the yellow wire under the dash to a 12V switched source. This lead is supplied with an inline 30 amp ATO fuse.

35. Connect the black wire with the round eyelet under the dash to a ground. Make sure a proper ground is obtained by removing any rust or paint from the metal.

36. Connect the negative battery lead and test the wiper system. Upon a successful test, the wiper conversion is complete.

NOTE: In some cases high energy ignition systems have caused interference with the correct operation of the Selecta-Speed Wiper Kit due to spark plug wires routed closely to the wiper motor. If this occurs, re-routing your spark plug wires may be necessary.

If you have any questions before or during the installation of this product, please contact Detroit Speed at tech@detroitsspeed.com or 704.662.3272