



**Detroit Speed**  
**Selecta-Speed™ Wiper Kit**  
 1967-72 Ford F100 Truck  
 P/N: 121656

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 1967-72 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 Retaining Nut	1
7	Wiper Switch Spacer	1
8	Wiper Motor Spacer	1
9	Hardware Kit	1
10	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. Pull the gauge cluster away from the dash by removing the eight screws (Figure 1).



Figure 1 – Pull Gauges Away From Dash

3. Disconnect the speedometer cable and the wiring harness connector from the back of the gauge cluster. Remove the gauge cluster from the dash (Figure 2).

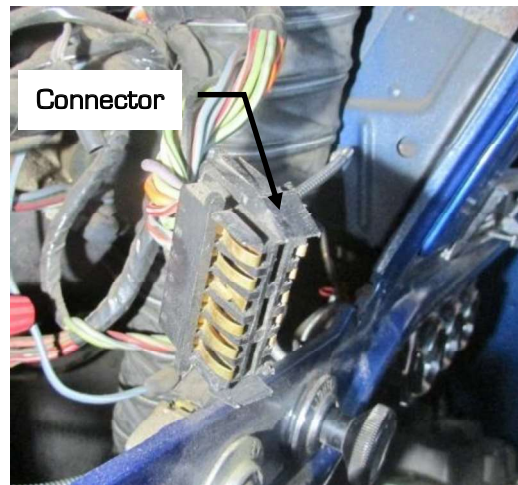
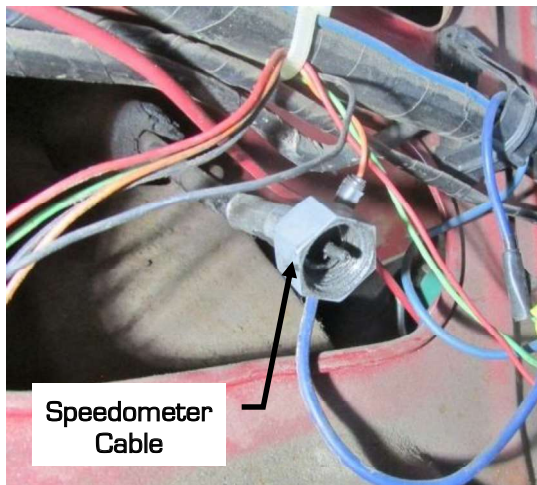


Figure 2 – Disconnect Speedometer Cable & Connector from Gauges

4. Remove the wiper switch knob from the wiper switch using an Allen wrench (Figure 3).



Figure 3 – Remove Wiper Switch Knob

5. Use a pair of needle nose pliers or a wiper switch removal tool and remove the wiper switch retaining nut from the wiper switch. Remove the wiper switch bezel from the dash (Figure 4).

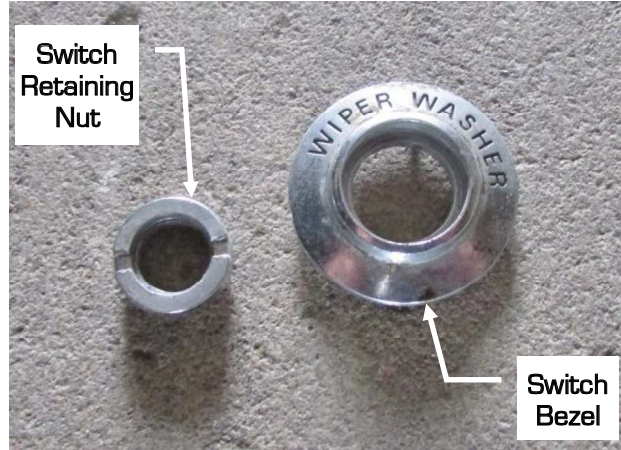


Figure 4 - Wiper Switch Nut & Bezel

6. Remove the wiper switch from the back side of the dash and unplug the factory connector from the back of the wiper switch (Fig. 5). Remove the factory wiper switch and tie up and loose wires. The Selecta-Speed switch will replace the stock switch.

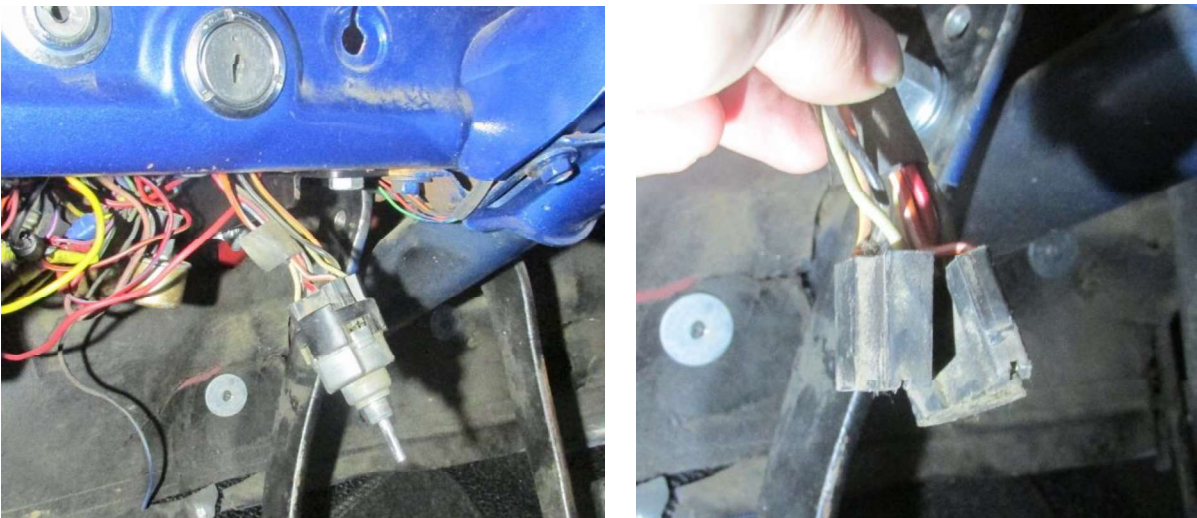


Figure 5 - Remove Wiper Switch

7. To gain access to the wiper motor bracket, remove the ash tray from the dash (Fig. 6).



Figure 6 - Remove Ash Tray

- Remove the dash support bracket to the right of the wiper motor by first removing the bolt at the dash. Then remove the bolt at the firewall. Remove the support bracket from the truck (Figure 7).

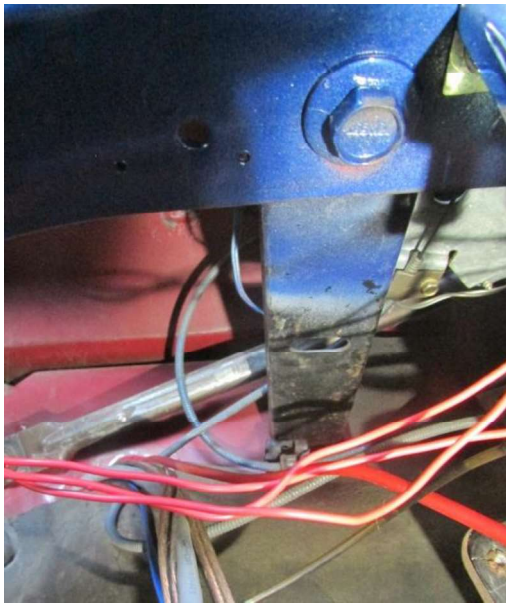


Figure 7 – Remove Dash Support

- 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 8).

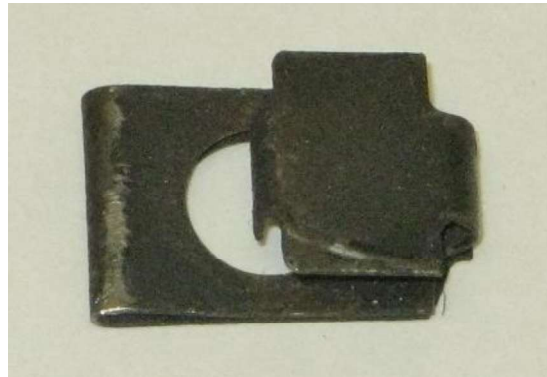


Figure 8 – Retaining Clip

- 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 three bolts from the firewall. There are two bolts at the top of the wiper motor bracket and one bolt at the bottom of the bracket (Figure 9).

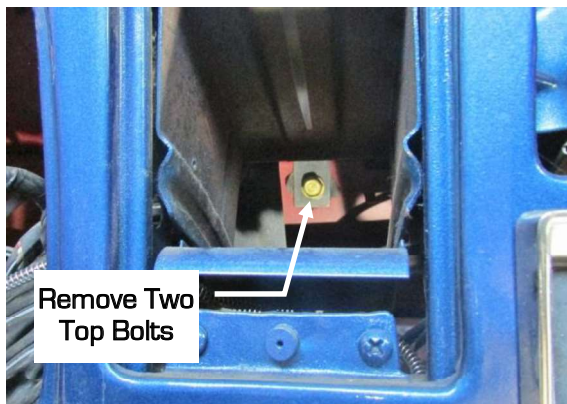
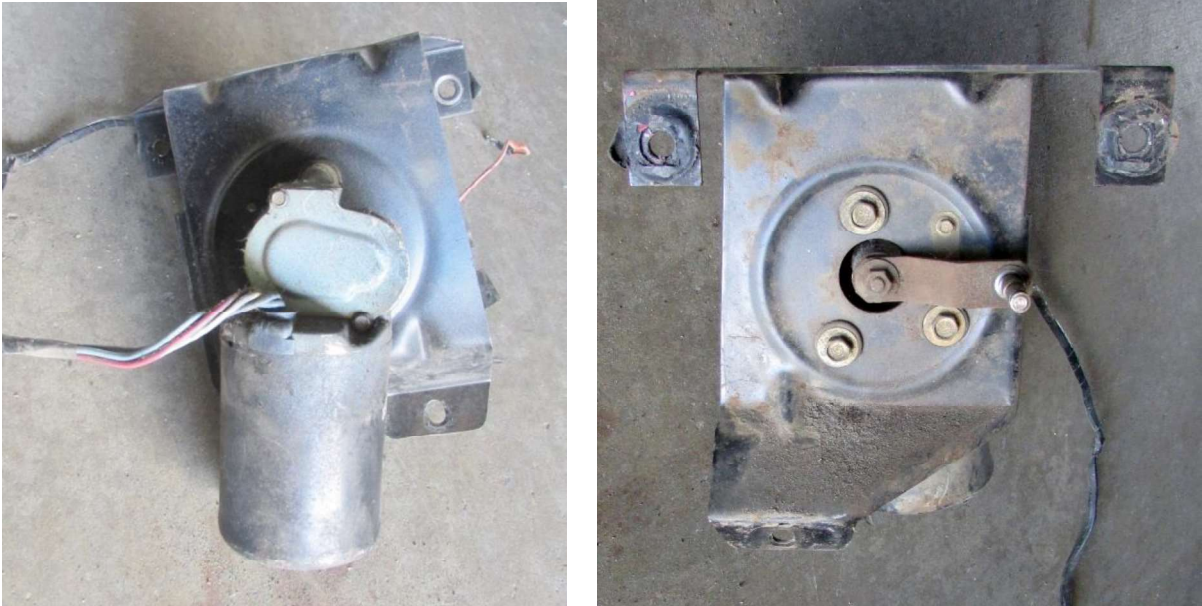


Figure 9 – Remove Wiper Motor

11. Remove the ground strap bolt from the factory wiper motor bracket. Remove the three bolts holding the wiper motor to the bracket. Separate the wiper motor from the bracket and remove the factory grommets from the bracket (Figure 10).



**Figure 10 - Remove Motor & Grommets**

12. 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**

13. 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 on the next page).



**Figure 12 - Transfer Punch Bracket**

14. 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**

15. 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**

16. 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

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

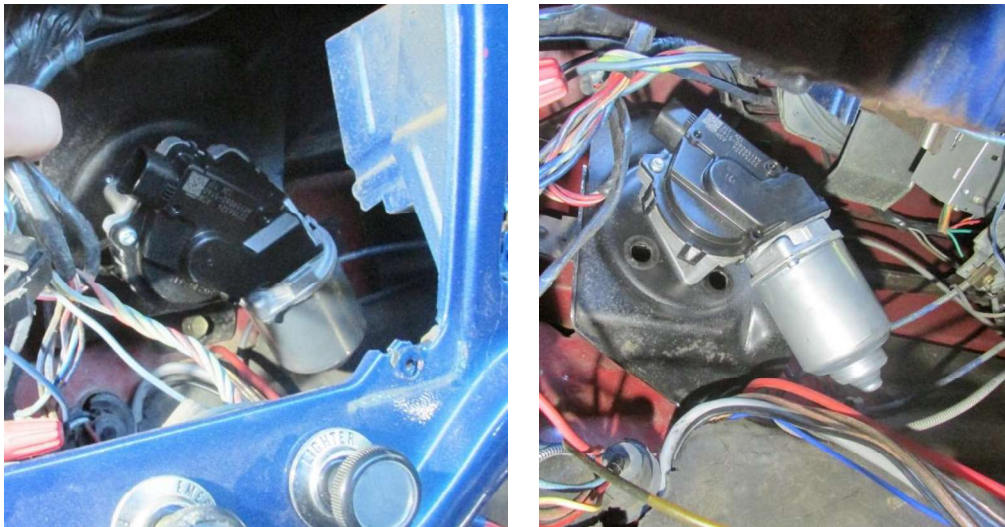


Figure 16 - Wiper Motor

18. 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

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



Figure 18 - Wiper Motor Connector

20. Position the provided wiper control module to the bottom side of the factory dash support bracket that was removed in Step 15. Position the module on the bracket and mark two mounting holes (Figure 19).



Figure 19 - Position the Wiper Control Module

21. 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 (Figure 20).



Figure 20 - Mount the Control Module

22.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

23.Remove the hex nut and star washer from the provided DSE Selecta-Speed wiper switch (Figure 22).



Figure 22 - Remove Nut & Washer

24.Locate the DSE wiper switch nut and spacer (Figure 23).



Figure 23 - Wiper Switch Nut & Spacer

25. Place the DSE wiper switch spacer onto the DSE wiper switch making sure the anti-rotation tab fits in the blind hole on the back of the spacer. There are two blind holes, the switch tab needs to go into the hole that clocks the slot in the spacer at 12 o'clock with the flat on the wiper switch shaft at 6 o'clock (Figure 24). **NOTE:** If you have the the switch in the incorrect hole, the set screw on the wiper knob will be facing up instead of down towards the floor after installation.



Figure 24 - Install Switch Spacer

26. Thread the DSE wiper switch nut inside the wiper switch spacer onto the DSE wiper switch. Tighten with a 5/8" socket (Figure 25).



Figure 25 - Install Wiper Switch Nut

27. Position the provided DSE wiper switch assembly into the backside of the dash. Make sure the slot in the switch spacer is at 12 o'clock and lines up with the slot in the dash. The flat on the wiper switch shaft will also be at 6 o'clock (Figure 26).

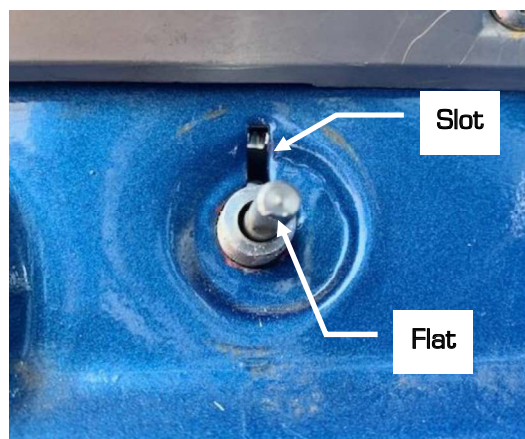


Figure 26 - Locate Wiper Switch in Dash

28. Place the factory wiper switch bezel over the wiper switch shaft. Locate the anti-rotation tab of the bezel into the slot on the dash. Thread the provided wiper switch retaining nut onto the threads of the wiper switch. Use a pair of needle nose pliers or a wiper switch tool and tighten the retaining nut onto the switch (Figure 27).



**Figure 27 - Install Switch Assembly to Dash**

29. Slide the factory wiper knob onto the DSE switch shaft. Align the flat on the switch shaft with the flat on the wiper knob. Tighten the set screw (Figure 28).



**Figure 28 - Install Wiper Knob**

30. The Detroit Speed Selecta-Speed harness does include a weather pack connector to install an optional electric inline washer pump into your vehicle (Figure 29). Detroit Speed does offer a washer pump kit you can purchase separately as part number 121102.



**Figure 29 - Washer Pump Connection**

31. 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.

32. 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 30).

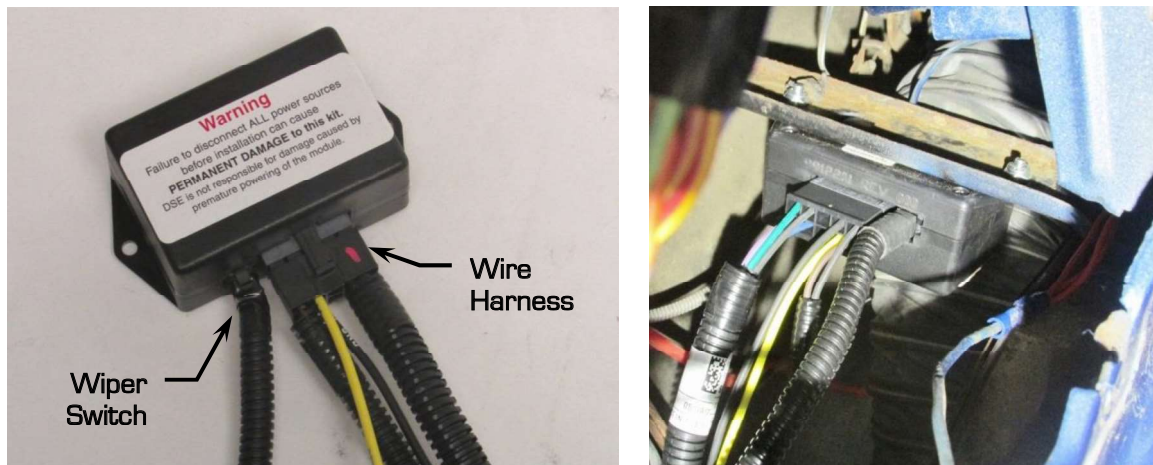


Figure 30 - Connect Wiper Switch & Harness to Module

33. Connect the yellow wire under the dash to a 12V switched source. This lead is supplied with an inline 30 amp ATO fuse. You can also connect the yellow wire to the factory wiper switch harness (Figure 31).

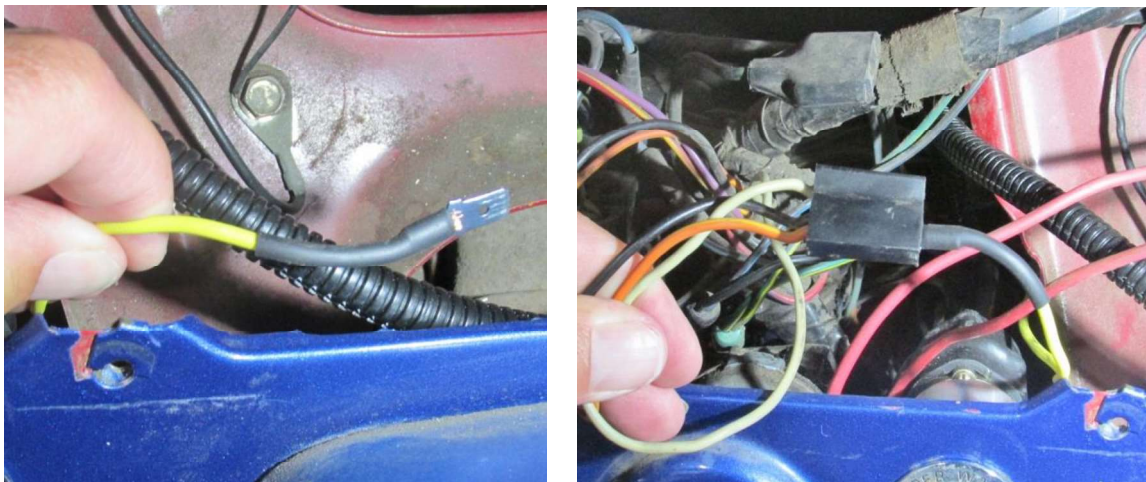


Figure 31 - Connect Yellow Wire

34. 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.
35. Re-install the gauge cluster back into the dash. Re-connect the harness and the speedometer back into the gauge cluster.
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](mailto:tech@detroitsspeed.com) or 704.662.3272.