

Detroit Speed
Selecta-Speed™ Wiper Kit
 1968-1969 Camaro, 1968 Firebird, 1968-1972 Nova
 P/N: 121301 & 121401

A downpour of rain will no longer hinder your ability to clearly see the road. 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 1968-1969 Camaro, 1968 Firebird and 1968-1972 Nova.



Figure 1 - P/N: 121401

Item #	Description	Quantity
1	Wiper Motor Assembly w/ Adapter Plate	1
2	Wiper Control Module w/ Mounting Plate	1
3	Wiper Harness	1
4	Wiper Switch Assembly	1
5	Wiper Knob w/ Set Screw	1
6	Switch Bezel (121301 only)	1
7	Switch Alignment Plate (121401 only)	1
8	Hex Attachment Nut (121401 only)	1
9	3/8" AN Washer (121401 only)	1
10	10-24 x 3/4" L Stainless Steel Screws	3
11	Instructions	1

This kit features a seven speed wiper system with five delays, low speed, and high speed. A CNC aluminum adapter plate mounts the wiper motor to the stock firewall bolt pattern. The new pitman arm, included in the kit, bolts directly to your existing wiper linkage. A rotary switch with a billet aluminum knob is 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. Before beginning, please ensure that the parts included with your kit match the parts list above. Ensure that the factory wiper system is in its "Parked" position. Disconnect the battery power by removing the negative battery lead from the battery. Mark the position of the wiper arms by placing masking tape on the windshield. This will assure the arms are accurately replaced. Remove the wiper arms, washer hoses, and cowl panel from the vehicle.
2. Disconnect the wiper linkage from the wiper motor pitman arm and remove the stock wiper motor from the firewall.
3. 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.**
4. Mount the new wiper motor assembly to the firewall with the three supplied 10-24 x 3/4" L stainless steel Allen screws. The adapter plate will mount to the firewall using the original wiper motor weld nuts in the firewall (Figure 2).



Figure 2 – Attach Wiper Motor to Firewall

5. Attach the new pitman arm to the original wiper linkage (Figure 3 on the next page). **NOTE: The Selecta-Speed 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 3 – Attach Pitman Arm to Wiper Linkage

6. The Selecta-Speed switch will replace the stock switch. Remove the stock wiper switch from the dash and remove the connector. Tie up the original wiring under the dash, if desired.
7. Mount the switch in the dash. Use the Detroit Speed supplied hardware to mount the switch in the original dash location, if desired. For P/N: 121301, continue on to Step 8. For P/N: 121401, go to Step 13.

P/N: 121301DS (1968 Camaro/Firebird/Nova) Stock Dash Mount Illustration

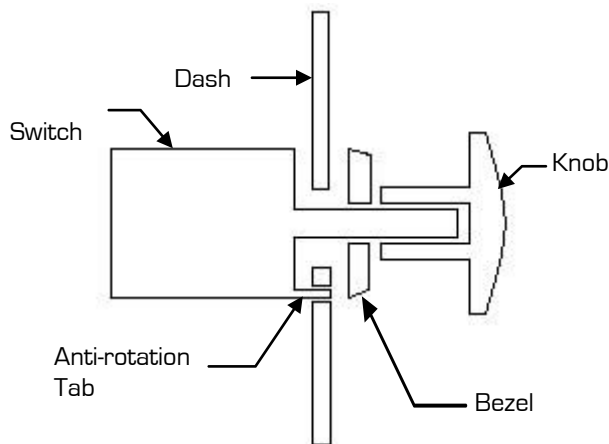


Figure 4a - Side View

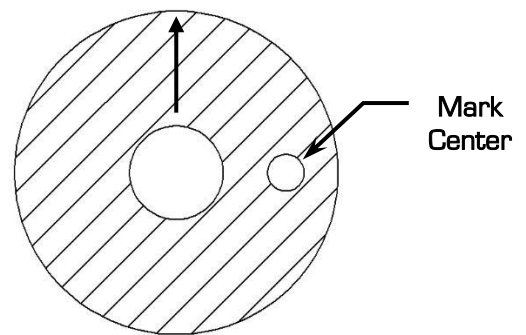


Figure 4b - Switch Mounting Template

Switch Mounting Instructions:

8. Cut the template out (Figure 4b) and place it over the existing wiper switch hole in the dash. Make sure arrow is pointed up. [12 o'clock position]
9. Mark the center of the unshaded area of the template on the dash.
10. Remove the template and drill a 5/32" hole in the dash to accommodate the anti-rotation tab of the switch (Figure 5 on page 5).

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Figure 5 - Drill Anti-Rotation Hole

11. Install the wiper switch in the dash (Figure 6). Make sure the anti-rotation tab on the switch passes through the hole in the dash that you drilled in Step 10. Thread the bezel onto the switch shaft and tighten by hand to hold the switch in place on the dash (Figure 7).



Figure 6 - Install Wiper Switch



Figure 7 - Thread Bezel onto Switch

12. Slide the wiper knob onto the switch shaft. Align the set screw with the flat on the switch shaft and tighten (Figure 8). **NOTE:** Make sure the set screw locks onto the flat on the switch shaft. Continue on to Step 15.



Figure 8 - 1968 Camaro Switch/Knob Installation

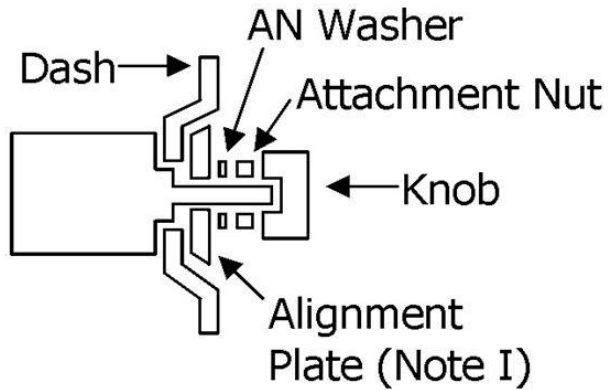


Figure 9a - Side View

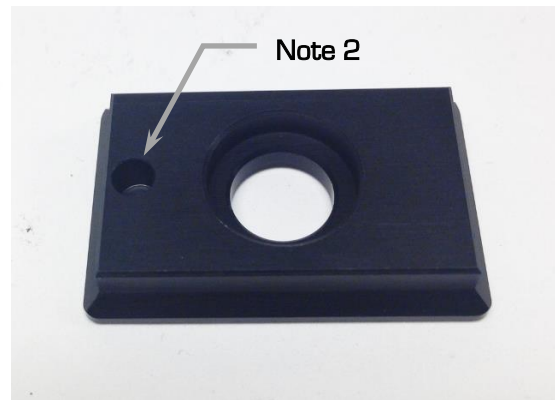


Figure 9b - Switch Alignment Plate

Note 1: Beveled corner faces the front of the vehicle.

Note 2: Anti-rotation hole oriented towards the center of the vehicle

Switch Mounting Instructions:

13. Install the wiper switch into the back of the dash with the anti-rotation tab positioned to the right (3 o'clock position) and the switch alignment plate (Figure 10). See Note 1 & 2 above for proper orientation of alignment tab and switch.



Figure 10 - Install Wiper Switch & Alignment Plate

14. Place the 3/8" AN washer and the hex nut onto switch shaft and tighten the nut. Slide the wiper knob onto the switch shaft. Align the set screw with the flat on the switch shaft and tighten (Figure 11 on the next page). **NOTE:** Make sure the set screw locks onto the flat on the switch shaft.



Figure 11 - 1969 Camaro Switch/Knob Installation

15. Route the wiper motor connector side of the wiring harness (Figure 12) through the firewall using an existing hole. You may need to open up the diameter of this hole using a 1-1/4" drill bit or Uni-Bit in order to allow the wiper motor connector to pass through the firewall.



Figure 12 - Wiper Motor Connector

16. A rubber grommet is already installed on the wire loom for the wiper motor wires. Once there is enough of the loom through the firewall to connect to the wiper motor, move the grommet on the loom and install it into the firewall to seal the engine compartment from the inside of the vehicle.
17. Install the wiper motor connector to the wiper motor.
18. The Detroit Speed Selecta-Speed harness does include a weather pack connector to install an optional electric inline washer pump into your vehicle (Figure 13 on the next page). DSE does offer a washer pump kit you can purchase separately as part number 121102.

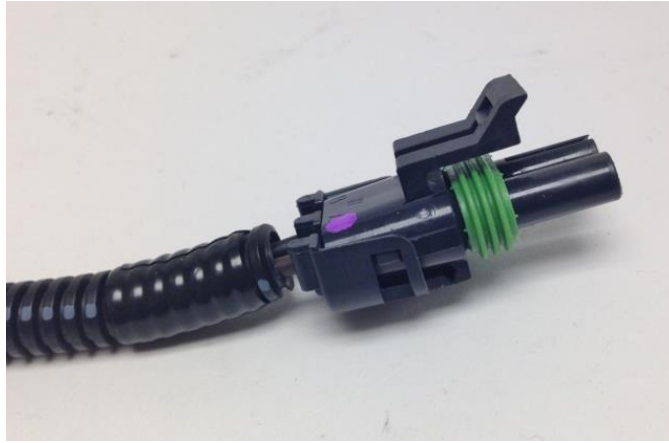


Figure 13 – Washer Pump Connection

19. 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.
20. Install the wiper control module onto the module mounting plate using the provided 8-32 hardware if not already assembled from Detroit Speed (Figure 14). **NOTE:** If you also have the Detroit Speed RS Headlight Kit installed, you can mount both control modules to the same mounting plate. Mount both modules back to back on the mounting plate using the provided 8-32 hardware (Figure 15). Do not overtighten.



Figure 14 – Wiper Control Module & Plate



Figure 15 – RS Headlight & Wiper Module

21. Locate the brake pedal support bracket under the driver's side dash spanning from the brake pedal assembly to the steering column support attachment. Remove the 1/4"-20 module mounting plate U-nuts and hardware. Mock up the module and mounting plate. Locate the bolt holes on the support bracket with a marker or scribe (Figure 16 on the next page).



Figure 16 - Locate the Bolt Holes

22. Using the marks from the previous step, drill two 5/16" diameter holes in the brake pedal support bracket. Slide the 1/4"-20 U-nuts that were removed in step 21, onto the support bracket. Mount the module plate with the provided 1/4"-20 bolts and washers that were also removed in step 21, through the 5/16" drilled holes and 1/4"-20 U-nuts on the support bracket.
23. With the wiper control module mounted in place, plug in the wiper switch and wiring harness connectors into the control module (Figure 17).

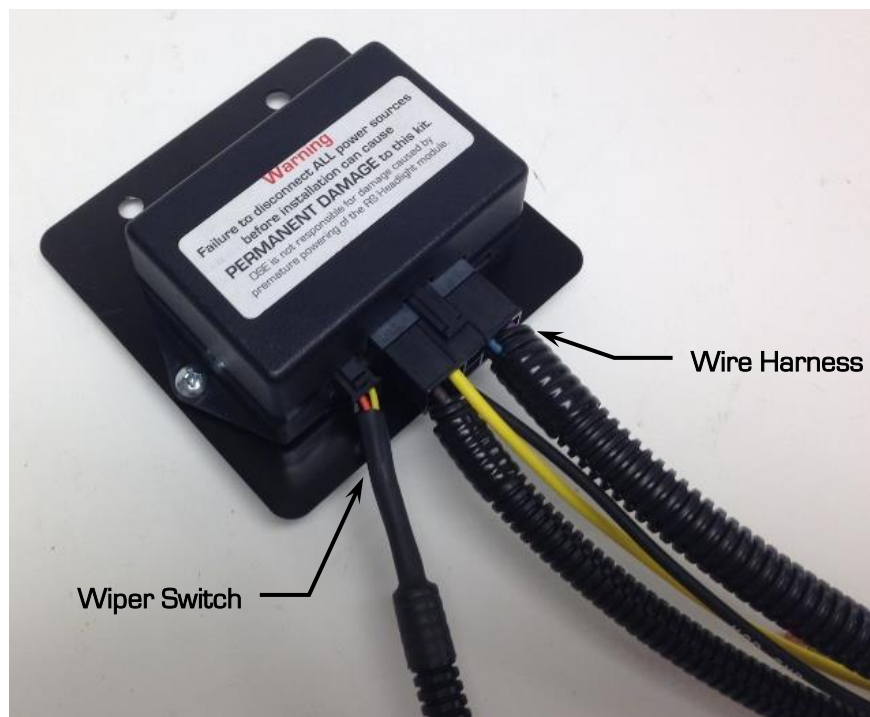


Figure 17 - Connect Wiper Switch & Harness to Module

24. Connect the yellow wire under the dash to a 12V ignition or accessory switched source. (Circuit is active when the key is in the run position). This lead is supplied with an inline 30 amp ATO fuse.
25. Connect the black wire with the round eyelet to a ground under the dash. Make sure a proper ground is obtained by removing any rust or paint from the metal.
26. Connect the negative battery lead and test the wiper system. Upon a successful test, the conversion is now complete. Secure the new wiring harness under the dash and in the engine compartment. Re-install the cowl panel and wiper arms along with any other components that have been removed.

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

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