

Detroit Speed
 Selecta-Speed™ Wiper Kit
 1969 Firebird
 P/N: 121302

A downpour of rain will no longer hinder your ability to clearly see the road. The Detroit Speed Inc. 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 1969 Firebird.



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	Wiper Switch Adapter Plate	1
8	3/8" AN Washer	1
9	10-24 x 3/4" L Stainless Steel Screws	3
10	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 (Figure 1).



Figure 1 – Attach Wiper Motor to Firewall

5. Attach the new pitman arm to the original wiper linkage (Figure 2). **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 2 – Attach Pitman Arm to Wiper Linkage

6. Remove the stock wiper switch from the dash. The Selecta-Speed switch will replace the stock switch.
7. Mount the switch in the dash. On the backside of the dash, mount the switch adapter plate to the dash using the stock headlamp switch mounting tabs (Figure 3).

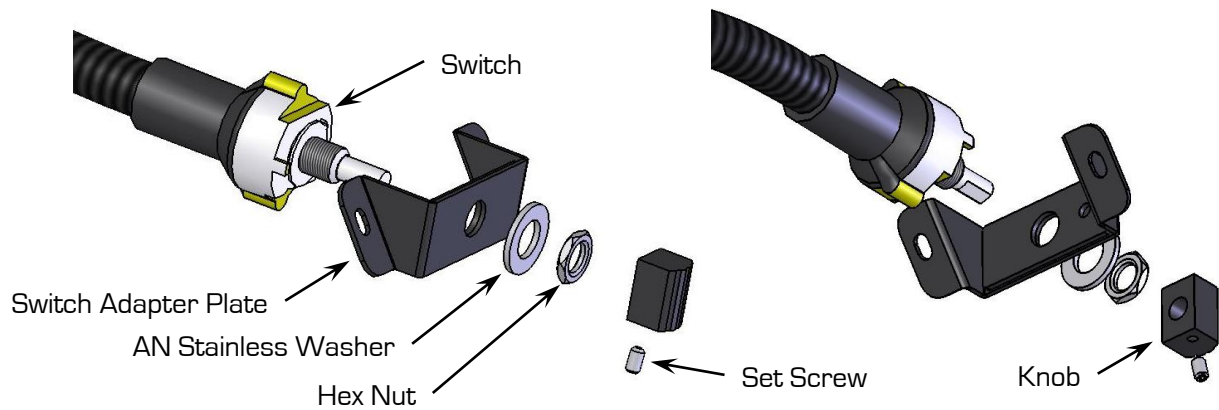


Figure 3 - Switch Mounting

8. Route the wiper motor connector side of the wiring harness (Figure 4 on the next page) 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 to allow the wiper motor connector to pass through the firewall.



Figure 4 - Wiper Motor Connector

9. A rubber grommet is already installed on the wire loom for the wiper motor wires. Once there is enough 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.
10. Install the wiper motor connector to the wiper motor.

11. The Detroit Speed Selecta-Speed harness does include a weather pack connector to install an optional electric inline washer pump into your vehicle (Figure 5). Detroit Speed does offer a washer pump kit you can purchase separately as part number 121102.



Figure 5 – Washer Pump Connection

12. 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.
13. Install the wiper control module onto the module mounting plate using the provided 8-32 hardware if not already assembled from Detroit Speed (Figure 6). Do not overtighten.



Figure 6 – Wiper Control Module & Plate

14. 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. Mockup the module and mounting plate. Locate the bolt holes on the support bracket with a marker or scribe (Figure 7).



Figure 7 – Locate the Bolt Holes

15. 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 14, onto the support bracket. Mount the module plate with the provided 1/4"-20 bolts and washers that were also removed in step 14, through the 5/16" drilled holes and 1/4"-20 U-nuts on the support bracket.
16. With the wiper control module mounted in place, plug in the wiper switch and wiring harness connectors into the control module (Figure 8).



Figure 8 – Connect Wiper Switch & Harness to Module

17. 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.
18. 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.
19. Connect the negative battery lead and test wiper system. Upon a successful test, the conversion is now complete. Secure the new wiring harness under the dash and in the engine compartment.

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