



Detroit Speed
Selecta-Speed™ Wiper Kit
 1966-1967 A-Body
 P/N: 121602, 121607, 121625 & 121626

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 1966-67 A-Body.



Figure 1 - P/N 121607 Shown

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
7	Switch Bezel	1
8a	10-24 x 3/4" L Stainless Steel Screws (121607 & 121626 only)	3
8b	10-24 x 3/4" L Stainless Steel Screws (121602 & 121625 only)	2
9	6-32 Stainless Steel Nut (121602 & 121625 only)	1
10	Pitman Arm E-Clip	1
11	Switch Anti-Rotation Arm	1
12	1/4"-28 x 3/4" L Button Head Cap Screw	2
13	1/4"-28 Half Height Nylock Nut	2
14	1/4" SAE Washer	2
15	Instructions	1

The 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 a 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 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 by removing the E-clip and remove the stock wiper motor from the firewall. **NOTE: For the Can style wiper motors (P/N: 121607 & 121626), the factory mounting plate must also be removed 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. For P/N: 121602 & 121625, skip to step 5. For P/N: 121607 & 121626 use the three supplied 10-24 x 3/4" L stainless steel Allen screws to mount the wiper motor assembly to the firewall. The adapter plate will mount to the firewall using the original wiper motor weld nuts on the firewall (Figure 2). Continue on to step 6.



Figure 2 - "Can" Style Wiper Motor

5. From the engine side of the firewall, position the 6-32 stud, installed into the wiper adapter plate, into the mounting hole in the firewall. Install two of the provided 10-24 x 3/4" L stainless steel allen screws into the two open holes in the adapter plate. They will mount to the firewall using the original wiper motor weld nuts on the firewall (Figure 3 on the next page). From the cowl side of the firewall, attach the 6-32 nut to the stud.



Figure 3 – “Box” Style Wiper Motor

6. Attach the new pitman arm to the original wiper linkage using the provided replacement E-clip (Figure 4). **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 4 – E-Clip

7. The Selecta-Speed switch will replace the stock switch. Loosen the set screw on the wiper knob and remove it from the switch. Remove the bezel from the switch by using a flat blade screwdriver or appropriate tool. MAC Tools has a wiper switch removal tool available as p/n: SC19 (Figure 5).



Figure 5 – Wiper Switch Removal Tool

8. Detroit Speed recommends dropping the steering column and the dash insert in order to gain access to the switch behind the dash.
9. To drop the steering column loosen the clamp at the firewall by removing two bolts (Figure 6). Then remove the bolt and two nuts holding the steering column bracket to the dash support (Figure 7). The steering column will not come out however you can place a block of wood or a shim between the column bracket and dash support so the column is held down away from the dash.



Figure 6 – Loosen Clamp

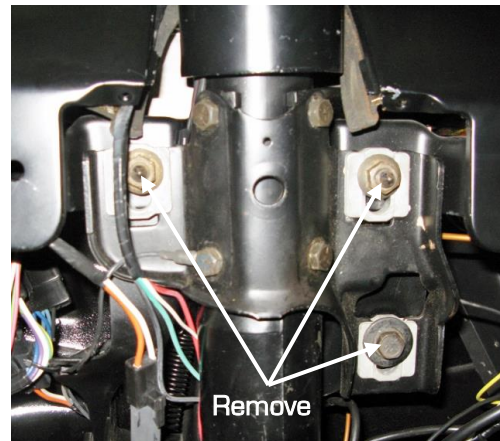


Figure 7 – Drop Steering Column

10. Remove all the screws around the top of the dash along with the screws on each side of the dash insert (Figure 8).

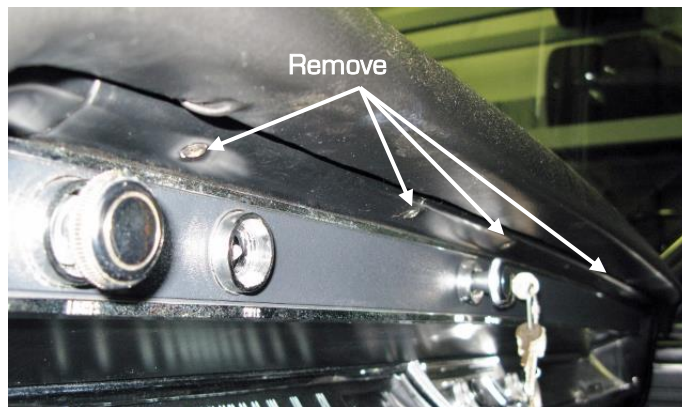


Figure 8 – Remove Dash Screws

11. There are 4 bolts at the bottom of the dash insert (2 on each side) that need to be loosened however they do not have to be removed (Figure 9).

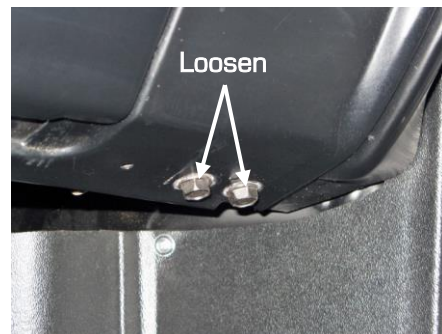
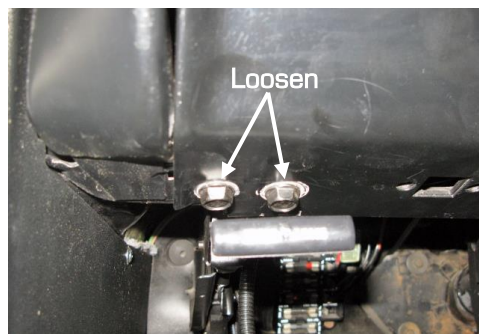


Figure 9 – Loosen Bolts

12. You should now be able to pull the top of the dash insert down so that you can gain access to the backside of the dash. Remove the stock wiper switch from the dash and remove the connector. Tie up the original wiring under the dash, if desired.

13. Mount the new switch in the dash. Use the Detroit Speed supplied hardware to mount the switch in the original dash location, if desired. Place the anti-rotation arm on the switch by locking it in place with the anti-rotation tab on the switch (Figure 10).



Figure 10 – Anti-Rotation Arm

14. Align the wiper switch and the anti-rotation arm to the full clockwise position (when facing the rear of the dash). The arm should rest against the bottom of the upper dash panel to prevent switch rotation (Figure 11).

Stock Dash Mount Illustration

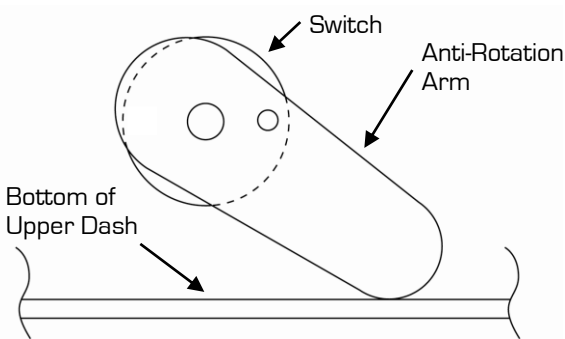


Figure 11 – Anti-Rotation Arm Orientation Behind Dash

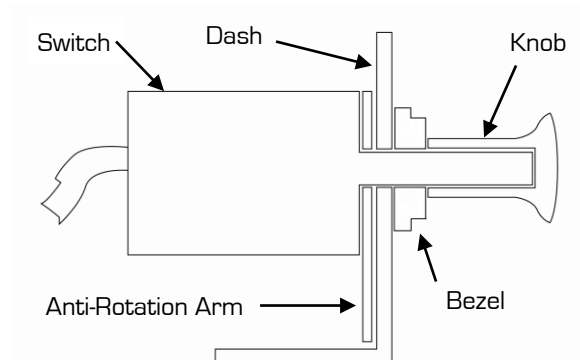


Figure 12 – Side View

Thread the bezel onto the switch shaft and tighten by hand so that its flat side is against the dash (Figure 12). **NOTE:** You can tighten the bezel by using two small drill bits or pins in the two holes of the bezel and tighten them by turning a screwdriver between the 2 pins (Figure 13).

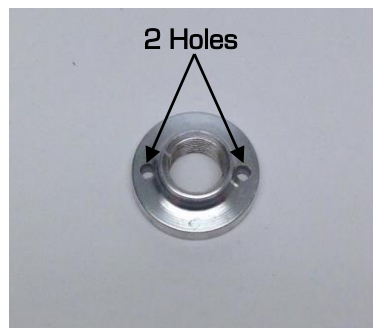


Figure 13 – Wiper Switch Bezel

15. Slide the wiper knob onto the switch shaft. Align the set screw with the flat on the switch shaft and tighten (Figure 14). **NOTE:** Make sure the set screw locks onto the flat on the switch shaft.



Figure 14 - 1967 Chevelle Switch/Knob Installation

16. Remove the firewall plug (Figure 15) and route the wiper motor connector side of the wiring harness (Figure 16) through the firewall.



Figure 15 - Remove Firewall Plug



Figure 16 - Wiper Motor Connector

17. 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 (Figure 17 on the next page). **NOTE:** You may need to trim back some of the insulation under the dash to properly fit the grommet.

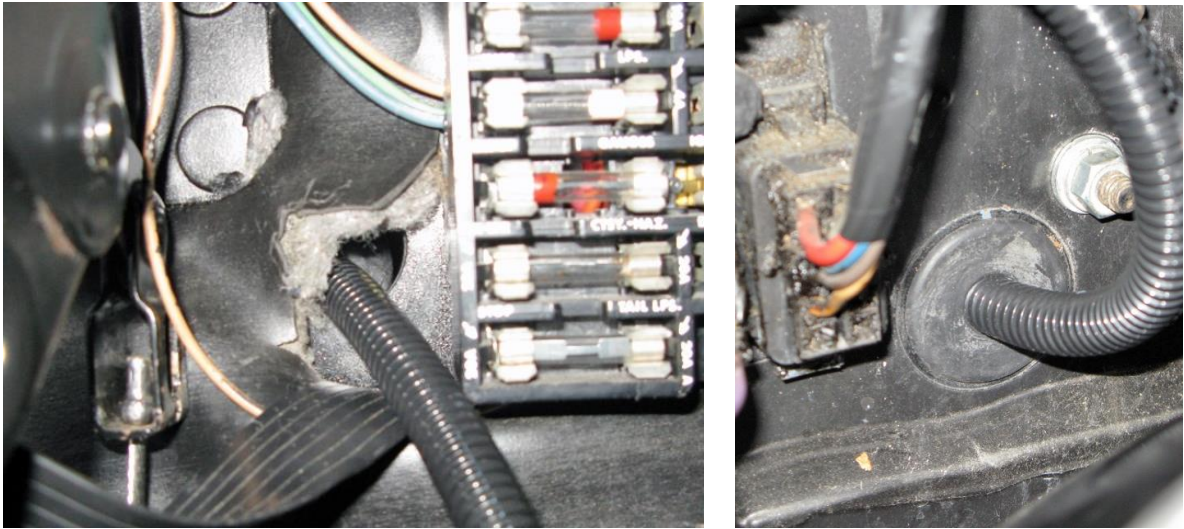


Figure 17 – Install Grommet

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 18). Detroit Speed does offer a washer pump kit you can purchase separately as part number 121102.



Figure 18 – 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 19). Do not overtighten.



Figure 19 – Control Module & Mounting Plate.

21. Install the module and mounting plate by placing it on the top side of the bottom of the left hand side of the dash, if desired (Figure 20). Install the two provided stainless steel button head bolts, washers and Nylock nuts through the dash and the module mounting plate. **NOTE:** Do not overtighten as you could cause damage to the mounting plate.

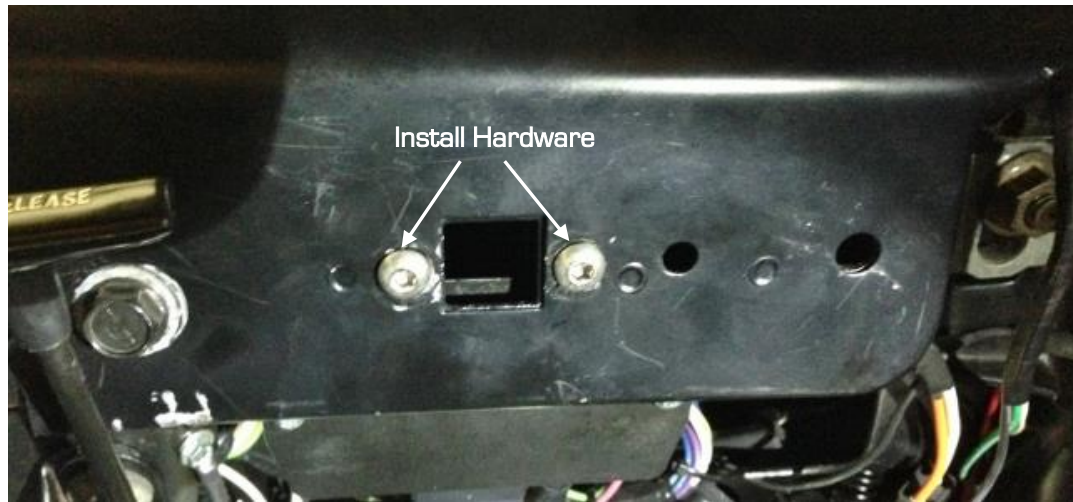


Figure 20 – Install Module & Mounting Plate

22. With the wiper control module mounted in place, plug in the wiper switch and wiring harness connectors into the control module (Figure 21).

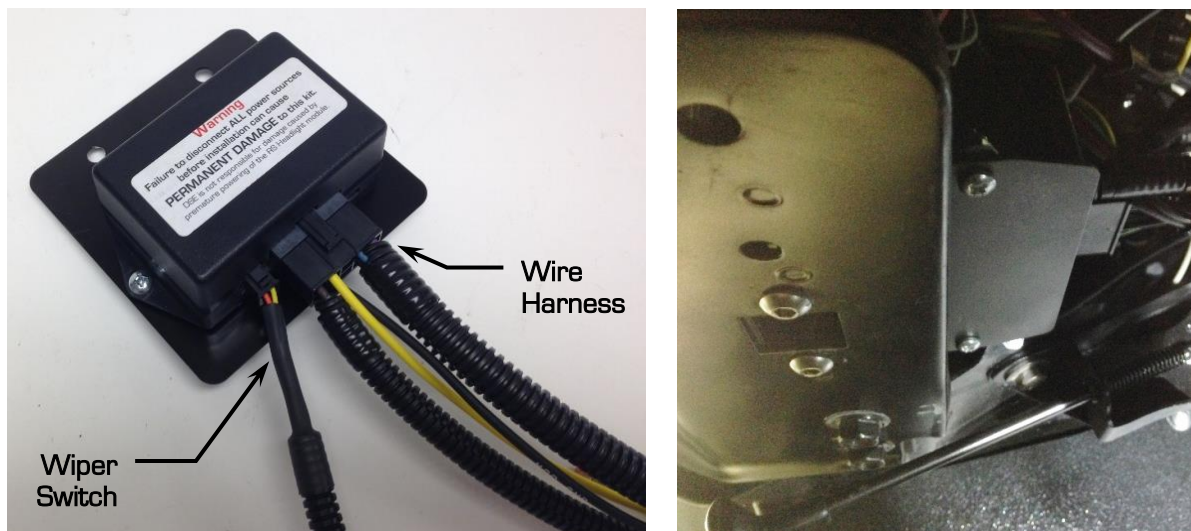


Figure 21 – Connect Wiper Switch & Harness to Module

23. 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]. Once connection method is shown in Figure 22 on the next page. This lead is supplied with an inline 30 amp ATO fuse.

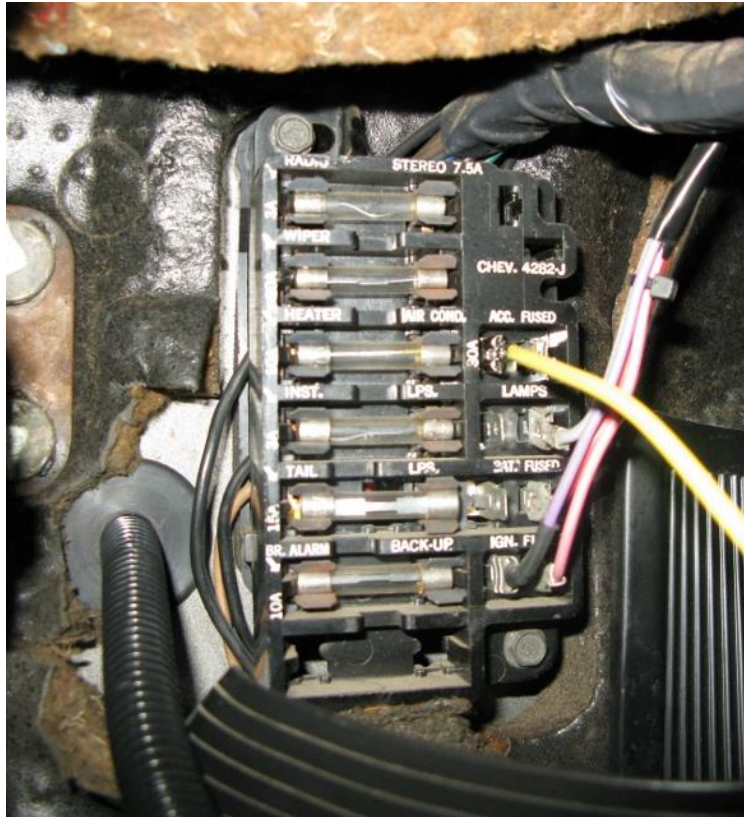


Figure 22 – Connect Power Wire

24. Connect the black wire with the round eyelet to a ground located under the dash. Make sure a proper ground is obtained by removing any rust or paint from the metal.
25. Connect the negative battery lead and test the wiper system. Upon a successful test, the conversion is now complete.
26. Re-install the dash insert and the steering column by reversing the process described in steps 9-11. 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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