

1. Dismantling the Original Mustang Wiper System

Remove the entire original wiper system. It's large and cumbersome, and taking it out will significantly improve access to the backside of your dash panel. The size and awkward placement of the factory wiper system is the main reasons this kit was designed for all 1964–1968 Mustangs.

2. Remove the Wiper Arms and Blades

You may **reuse** your original wiper arms and blades.

- **Under the dash**, unbolt the **triangular plates** that hold the original **pivot shafts** to the underside of the cowl.

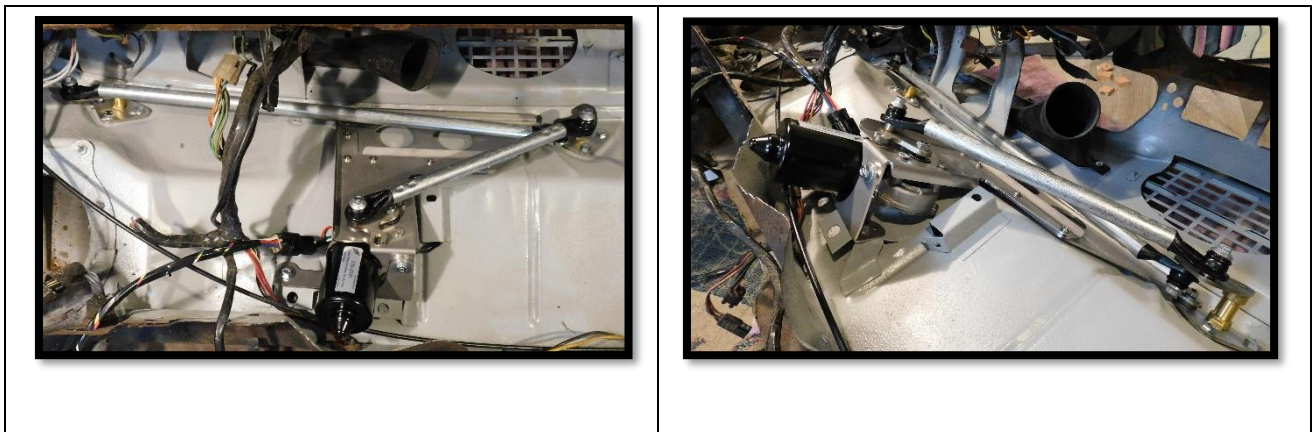
⚠ CAUTION: These bolts are often old and rusted in place. Take your time removing them. Use penetrating oil and gently work the bolts back and forth to avoid breakage.

- Next, unbolt the **large bracket** that holds the **original wiper motor**. This bracket is secured by **two bolts forward and two bolts aft**.
- Disconnect the **wiring** from the old wiper motor to the dash-mounted **wiper switch**. A **new wiring harness** and **detailed wiring diagram** are included with this kit.
- The **original 1967–1968 Mustang wiper switch** uses **spade-type wire connectors**. To disconnect them, simply pull the connectors off the back of the switch. Do **not discard** your Mustang wiper switch — you will be using it again with this kit.

If you prefer to replace your switch, note the following differences:

- The **1967 switch chrome knob** does **not** detach from the switch lever.
- The **1968 switch chrome knob** is secured with a **small Allen set screw**.

INSTALLATION



Before installing the wiper system under the dash, assemble a few components first.

1. Assemble the Motor Frame

Using five (5) 10-32 x 1/2" pan head screws, join the two halves of the motor frame together.

Refer to **Figure 1** for proper alignment.

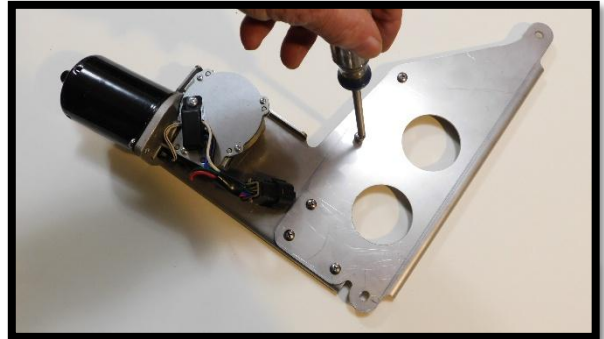


Figure 1

2. Install the Forward Brace

From under the dash, install the **Forward Brace**. This small brace attaches to the body at the **same firewall location** where the original wiper system was mounted.

Use **two (2) 1/4" x 1/2" bolts**, but **do not tighten them yet**.

(See *Figure 2*.)



Figure 2

3. Install the Link Assembly

The brass **Pivot Shaft Assembly** with the two attached links is the **Passenger Side Pivot Shaft**. Insert both pivot shafts through the corresponding holes in the cowl.

- Align the three bolt holes and secure the **Driver Side** triangular plate using **1/4" x 1/2" bolts**.
- On the **Passenger Side**, install **1/4" x 1/2" bolts** in the **outboard** and **lower** holes only. Leave the **inboard** hole empty at this time.

Refer to **Figures 3 and 4** for proper orientation and installation.

⚠ Do not tighten the bolts on the Passenger Side Triangular Plate yet.



Figure 3



Figure 4

4. Install Motor Frame onto Passenger Side Stud

Raise the motor frame and place the **1/4" hole at the upper right corner** of the motor frame onto the **1/4" stud** on the passenger-side triangular plate.

- Install the **3/16" thick, 1" diameter spacer**, then thread on the **1/4" hex nut**. Do **not** tighten at this time.

*Refer to **Figures 5 and 6** for proper positioning.*



Figure 5



Figure 6

- On the **upper left corner** of the Motor Plate, align the hole with one of the **original wiper system mounting locations**. Secure it using a **1/4" x 1/2" bolt**, then **tighten both bolts securely**.
(See *Figure 7.*)



Figure 7

5. Attach the Forward Brace to the Motor Plate

Next to the **Wiper Motor** on the Motor Plate, there's a **flange** that the Forward Brace should now rest against. Slide the Forward Brace **side-to-side** until the holes align.

Use a **couple of flat washers**, a **1/4" x 5/8" bolt**, and a **nut** to join these pieces together.

Tighten this bolt.

(See *Figure 8*)



Figure 8

6. Tighten Mounting Bolts

Now go back and **tighten all upper bolts** on the Motor Plate and the **Forward Brace bolts**.
(See Figures 9 and 9a.)

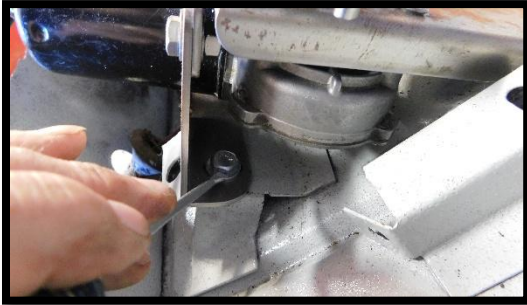


Figure 9

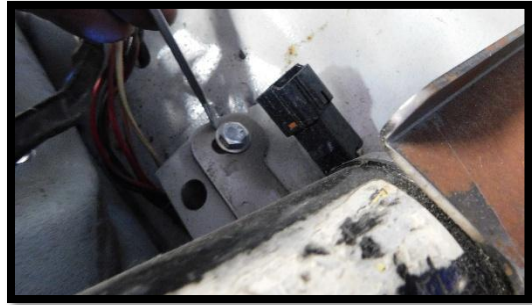


Figure 9a

7. Connect the Drive Arm to the Wiper Motor

Remove the **13mm hex nut** from the **Wiper Motor's output shaft**.

On the loose end of the **First Link**, locate the **Drive Arm**.

- Place the **round hole** of the Drive Arm onto the **Wiper Motor output shaft**.

(See Figure 10.)



Figure 10

- You'll notice a **slotted feature** on the Drive Arm. Rotate the Drive Arm until this slot aligns with an **empty 1/4" hole** in the Motor Plate.
- Insert a **long 1/4" bolt** (approximately **4 inches long**) through the **slot** in the Drive Arm and into the empty hole in the Motor Plate.
Hold this bolt steady while tightening the **13mm nut** on the Wiper Motor.

(No photo currently available for this step.)

8. System Parked Position

At this point, the **entire wiper system is held in the "parked" position**.

⚠ CAUTION: Do not install your wiper arms or blades yet.
Before doing so, the kit must be **fully wired to the wiper switch** and **test-run** to confirm that the **Drive Arm is in the correct parked position**.

WIRING THE ORIGINAL MUSTANG WIPER SWITCH

(See Wiring Diagram – Figure 11)

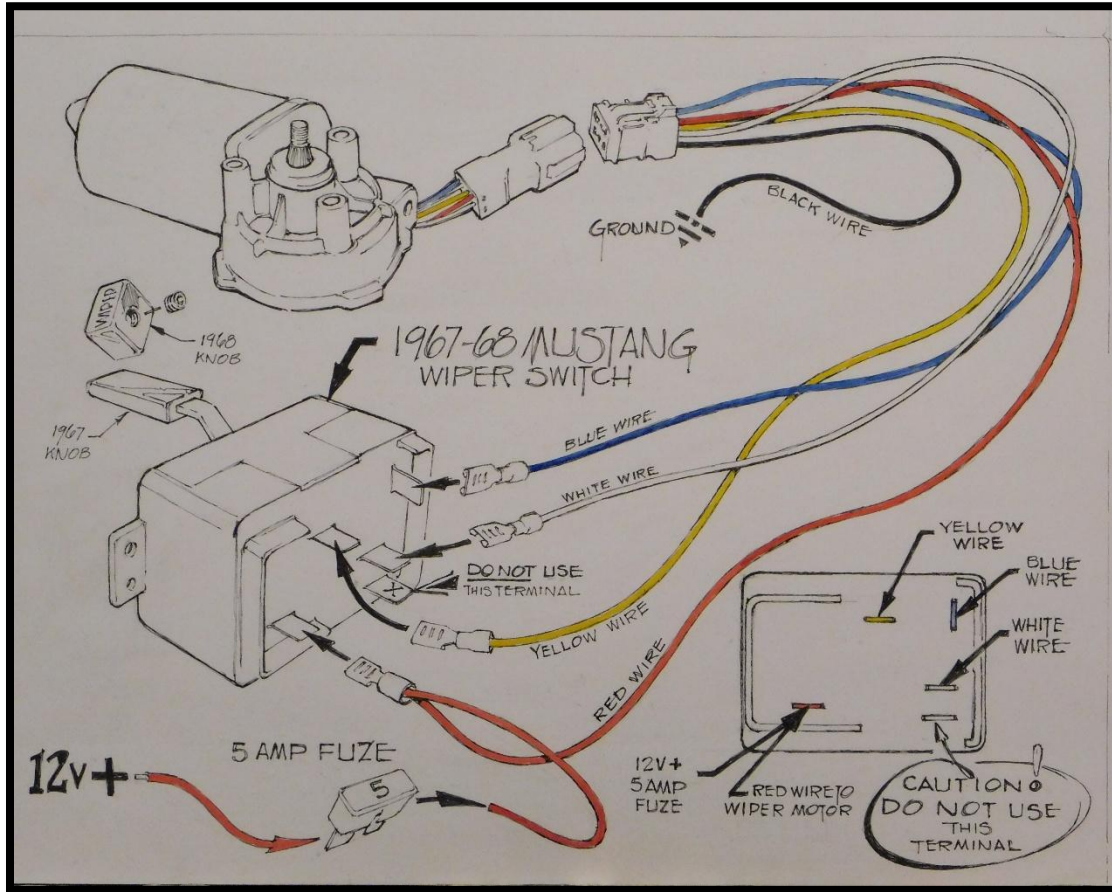


Figure 11

Note:

- If your Mustang was originally equipped with a **floor-mounted windshield washer pump**, the wiring harness from its electric switch will **not** work with the wiper motor supplied in this kit.
- However, your **washer pump will still function normally** to deliver fluid to the windshield.

A **Raingear wiring harness** is included with this kit. It plugs directly into the socket on the new wiper motor.

1. Connect the Power Supply

Locate a reliable **12V power source**, preferably from the fuse panel.

To determine the correct wire length:

- Run the **free red wire** supplied in this kit from your chosen 12V source to the **back side of the wiper switch**.
- Cut it to the desired length.

2. Connect the Wiring Harness

- Plug the **male connector** on the end of the Raingear wiring harness into the **female socket** on the wiper motor.
- Route these wires neatly from the **wiper motor** to the **back of the wiper switch**.
- Trim them to length, but **do not permanently secure them yet**.

Next, crimp **female spade-type connectors** to each wire as follows:

- **Red wire:** Combine the **red wire from the 12V power source** with the **red wire from the Raingear harness**, then crimp them together using one connector.
- **Black wire:** Ground wire
- **Blue wire:** 12V constant (unswitched)
- **Yellow wire:** Low speed
- **White wire:** High speed

3. Attach Wires to the Switch

Using the **wiring diagram** (see *Figure 11*) and **reference photos** (See *Figures 12 & 13*), connect each wire to its corresponding **male spade terminal** on the **backside of the original Mustang wiper switch**.

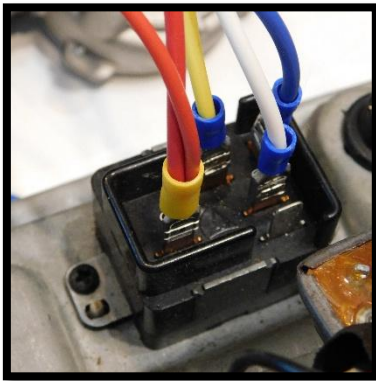


Figure 12

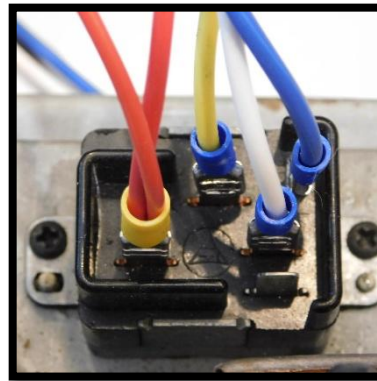


Figure 13

Thank you for choosing
Raingear Wiper Systems. We
look forward to assisting you
with your next project!

Raingear