INSTALLATION INSTRUCTIONS

’72-’78 VW
Intermittent Wiper Module – Part Number 13027

Congratulations on your purchase of this Intermittent Wiper Module. Adding this module to a factory two-speed wiper switch/motor gives you three additional wiper settings: one swipe every eight seconds, once every five seconds, and once every three seconds. This wiper is designed to work with VW vehicles with two-speed, non-hiding wiper motors from 1972 through 1978.

Parts Included in this Kit

1-Controller Unit with Harness
2-zip ties
1-Small crimp ring
3-Heat shrink tube

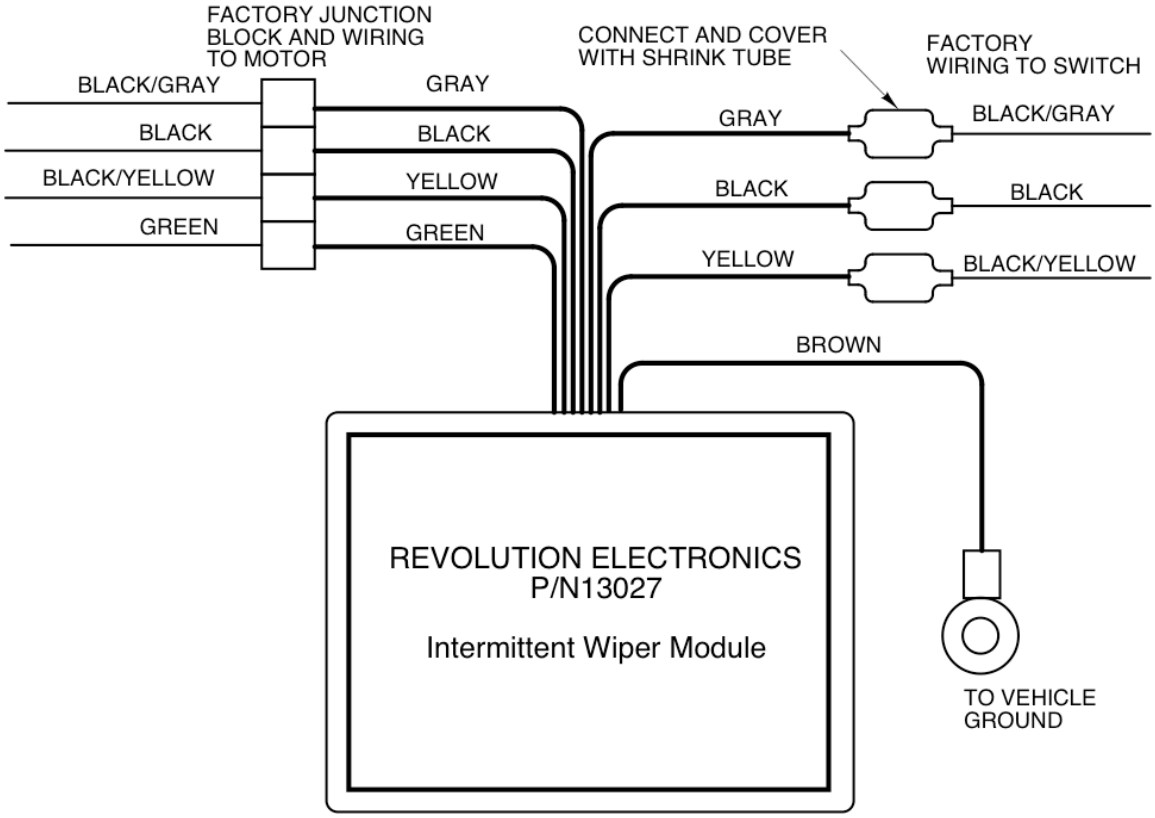

Figure 1

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Electrical Connections

Figure 1 summarizes the connections necessary. The Intermittent Wiper Module needs connection to a good ground. It also needs to connect between the dash-mounted switch and its harness. There is a connection block under the dash between the wiper motor wires and the dash wiper wiring. This module will install at that connection block between the block and the factory dash wiring.

Brown Wire –Connect this wire to a good vehicle ground. The small ring terminal can be used to attach this wire to a mounting bolt or another source of vehicle ground.

Gray Wire – These wires get 12v from the wiper motor and pass that on to the switch as well as power the module. The Gray wires connect to the factory Black/Gray wires. Connect the wire with the male terminal to the switch wiring and the wire with a female terminal to the motor wiring. Cover the female connection to the switch wiring with a piece of shrink tube and use a heat gun to shrink it down secure.

Black Wire – Connect the Black wires from the module to the factory wiring. The Black wires connect to the factory Black wires. The male terminal to the switch wiring and female terminal to the motor wiring. Remember to cover the female connection with a piece of heat shrink tube and use a heat gun to shrink it down tight.

Yellow Wire - Connect the Yellow wires from the module to the factory wiring. The Yellow wires connect to the factory Black/Yellow wires. Once again, male terminal to the switch, female terminal to the motor wiring; don't forget to use the heat shrink tube as mentioned previously.

Green Wire - Connect the Green wire from the module to the factory Green wire from the motor. Note that there is no connection to the green wire from the wiper switch.

Mounting the Unit

The Intermittent Wiper Module is intended to mount behind the dash cluster, near the connection block between the wiper motor harness and the dash harness, but may be mounted in any location where the electrical connections are easily accessible. Mounting in a weatherproof location is recommended. Use two self-tapping screws, rivets, or zip-ties through the mounting tabs to securely mount the unit.

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Operation

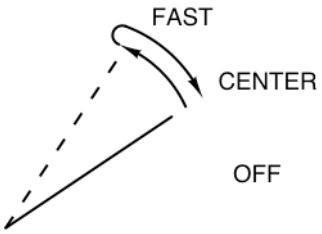

Figure 2: Using the wiper switch to advance from one setting to the next
Cycle from: Off--8sec delay--5sec delay--3sec delay--continuous slow--continuous fast

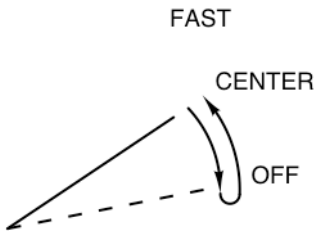

Figure 3: Using the wiper switch to step back through settings
Cycle from: continuous fast--continuous slow--3sec delay--5sec delay--8sec delay--Off

The factory switch has three positions: off, slow, and fast. The Intermittent Wiper Module uses the factory switch to select between several modes of operation. The “off” and “fast” positions retain their functions while the “slow” position becomes a center “neutral point”. Much like paddle shifters can shift a transmission up or down one gear at a time, moving the switch off the center neutral position and back will cause the module to move up or down in its sequence (depending on which side of center you move it). Moving the switch from the center position to the “fast” position and than back to center (within about a half a second) will advance the operation one selection (refer to figure 2). Moving the switch from the center position to the off position and back to the center (again within about a half a second) will step back the operation one selection (refer to figure 3). Within the center position, you can operate the wipers once every 8 seconds, once every 5 seconds, once every 3 seconds, or continuous stock-slow setting.

When you first turn on the wipers by moving the switch from off to center, the wipers will start off operating once every 8 seconds. Quickly moving the switch to the fast position and back to the center will cause the wipers to operate once every 5 seconds. Repeating this operation again will cause them to operate once every 3 seconds. One more time will advance them to the continuous “stock slow” setting. Just as moving the switch from center to fast and back will advance one setting, moving the switch from center to off and back will drop the wipers down one notch. At any time, moving the switch to the fast position and leaving it there will advance the mode directly to the “stock fast” operation. Likewise, moving the switch to the off position and leaving it there will change the mode immediately to off.

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Troubleshooting

‘There are 8 connections which must be correct for this module to operate properly. Before tearing into the connections at the switch and motor, check these items:

1. Make sure the power (two Gray wires) connections are secure.
2. Make sure the ground (Brown wire) connection is secure. Make sure the ground point is not rusty or otherwise questionable.
3. Make sure the wires to the factory harness are in the correct position (check the wire colors).

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