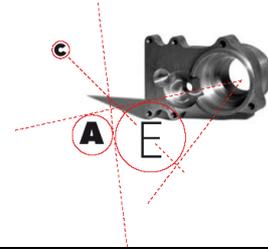


CAE PERFORMANCE PRODUCTS

7 Main Road Castlemaine, VIC. 3450
T 03 5472 1442
F 03) 5472 4111
W www.caeperformanceproducts.com.au
E info@caenterprises.com.au

WM-Chev-55-56-C/D



CUSTOMER INSTRUCTIONS

CHEV 1955 – 1956 Cable Wiper Kit Component List

Wiper Motor Assembly with Flexible Drive Cable 100 Deg Sweep x 1.2 Cable
Wiper Mounting Bracket, U Clamp and Rubber, Nuts and Screws.
Two Wheel boxes, Threaded full length with brass Nut
Wiring Loom, Switch and In Line Fuse.
Customer Instruction Sheet

Fitting Instructions

1955 - 56 Chev Cable Drive Wiper Kit

Prepare car by removing the old wipers and posts. On some cars it is necessary to grind or re-work a 5-6mm area off the seam where the cowl panel and the dash panel meet to allow easier access when fitting the wheel box up into the post mounting holes.

- 1 Seal with silicon and fit the two new Wheel boxes and Posts, adjusting the height to suit the outside bezels and nuts. On some vehicles the LHS Chrome windscreen bezel needs to be adjusted down to allow the wiper post and bezel to sit correctly and hold the windscreen surround in place. When the Wiper Motor is mounted on the L.H. side (Passenger side), the first wheel box has the Bundy tube running across the top of the gear wheel. The right hand wheel box Bundy tube runs beneath the gear wheel i.e. 180 degree to the passenger side one. This gives the blades central parking on the windscreen i.e. both blades pointing towards each other. Some vehicles require the radius of the first inside panel to be tapped flat to allow the wheel box to sit flat and protrude far enough outside so the chrome nut can be tightened. Do not over tighten the chrome nut as it is easy to strip the thread of the aluminium post. R.H. Side wheelbox fits easier than the LHS wheelbox.
Note the brass nut supplied is unscrewed and fitted after the post is put through the first panel and then use to tighten the wheel box at the correct length protruding on the outside of the vehicle where the original Chrome Bezel and nut are tightened.
- 2 Fit the centre tube and cut the one end once you have shaped the tube and determined the length required. Now fit the end tube to the wheel box, making sure the tube flares fit into the wheel box slots provided. It may be necessary to slightly curve the centre tube to give the correct length at each end to the correct location in the wheel box locators. Fit the shortest tube to the threaded brass ferule with the flared end to the wiper motor.
- 3 Grease with suitable wheel grease or silicon grease the entire flexible cable, then feed the Flexible cable thru the first wheel box, support the wiper motor and the first tube while you mount the first tube into the wheel box and mount the wiper motor bracket to vehicle and the wiper motor to its bracket. DO NOT STRAIN THE WIPER FIRST TUBE IN ANY WAY. (If the Tubes get any kinks or dents in them they must be replaced or the wiper motor can be seriously damaged.)
- 4 Fit 2-speed switch in appropriate hole and install wiring loom supplied.

CAE PERFORMANCE PRODUCTS

7 Main Road Castlemaine, VIC. 3450

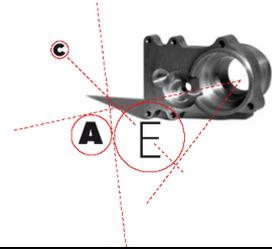
T 03 5472 1442

F 03) 5472 4111

W www.caeperformanceproducts.com.au

E info@caenterprises.com.au

WM-Chev-55-56-C/D

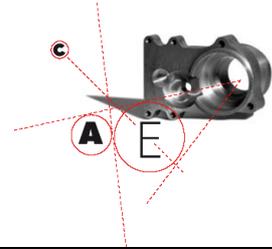


- 5 Connect Brown wire to suitable earth location on the vehicle
- 6 Continued
Connect Red feed wire with Fuse supplied to suitable Ignition Feed Wire on Ignition Switch of vehicle. Activate the wiper motor and check for smoothness of operation. Tighten all wheel boxes cover plates.
Retest wiper operation.
- 7 Fit original arm or new wiper arm and blades in the park position
- 9 Activate power and check wipers for sweep and all body clearances.

CAE PERFORMANCE PRODUCTS

7 Main Road Castlemaine, VIC. 3450
T 03 5472 1442
F 03) 5472 4111
W www.caeperformanceproducts.com.au
E info@caenterprises.com.au

WM-Chev-55-56-C/D



Windscreen Wiper Systems - Some useful Tips.

1. Motor

This is a two speed wiper motor, with self parking.

Make sure you use the correct bracket and strap with the rubber covering, and the motor is not touching any part of the vehicle body to eliminate noise.

2. Drive Gear

When the new motor arrives there is a threaded brass ferrule to take the first drive tube. There are a number of gears available to fit this motor ranging from 80 to 125 degrees. This is giving the least amount of travel to the rack and wiper arms.

On the top of the gear plate where the number is stamped there is a drive peg welded in position. This is the only item which changes position throughout all the gears (e.g. welded in different positions on the top plate.). Obviously if this peg was welded to the centre of the plate there would be no travel at all, so the further the peg is positioned to the outer edge of the plate the more travel you get. With each gear come 2 washers and a circlip retains the gear in to the motor, always pack with grease in the gear area before refitting the top cover.

3. Wheel Boxes

The wheel box size is 32 teeth on the inner drive wheel and the length of shaft from the inner face to the end of the knurl is 2.5 inches.(64mm) This is the same length as the original posts and allows for the variation thickness of material on some cars. Post length can be adjusted shorter by adjusting the brass nut on each post.

If the car has a split screen then it is quite easy to fit what was called the clapped hands system. This is by turning one of the wheel boxes through 180 degrees. The Chev has the passenger side wheel box with its tubing and spiral drive running over the top of the wheelbox gear, and the drivers side wheelbox has its tubing and spiral drive running on the bottom of the wheelbox gear.

4. Drive Rack

When fitting a new system as an original replacement, it is advisable to fit a new drive rack as this is one of the items that wears, resulting in the wiper arms having too much play.

5. Drive or "Bundy" Tubing Sets

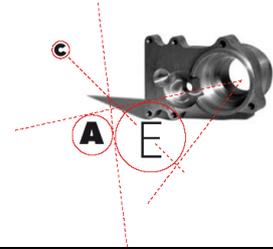
It is far better to use the recommended wiper tubing (5/16 Steel Brake Tube) supplied, rather than to use copper tube as this can be noisy and wears very quickly on any bends. Wear of the drive tube, sharp bends or kinks in the tube, causes friction that can lead to the motor burning out.

Bundy tube sets can be made up providing you give the supplier 2 dimensions. The first is the distance from the motor to the centre of the first wheel box hole and the second is the distance between the 2 wheel box hole centres. Try to avoid sharp bends in the tubing. If you have to bend the Bundy tube it is recommend that you insert the drive cable into the tube before bending. This will keep the tube the correct diameter on any of the bends (very much like a plumber bends

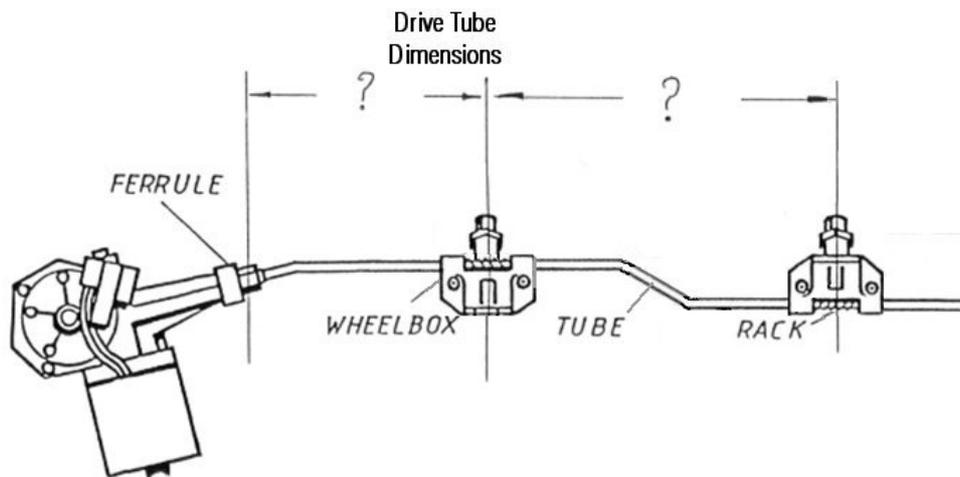
CAE PERFORMANCE PRODUCTS

7 Main Road Castlemaine, VIC. 3450
T 03 5472 1442
F 03) 5472 4111
W www.caeperformanceproducts.com.au
E info@caenterprises.com.au

WM-Chev-55-56-C/D



copper piping by inserting the spring). Always grease the rack liberally before inserting into the Bundy tube.



To have centred parking the L.H. side (passengers) wheel box is fitted with Bundy tubing running to the top of the wheel box. i.e. The wheel box is fitted upside down i.e. turned 180 degrees. The R.H. Wheelbox has the tubing and drive cable running on the bottom of the wheelbox gear. i.e. 180 degrees to the position of the L.H. side. For L.H. Drive vehicles the wheelbox's and wiper motor mounting are completely opposite to the above instructions.

6. Switch

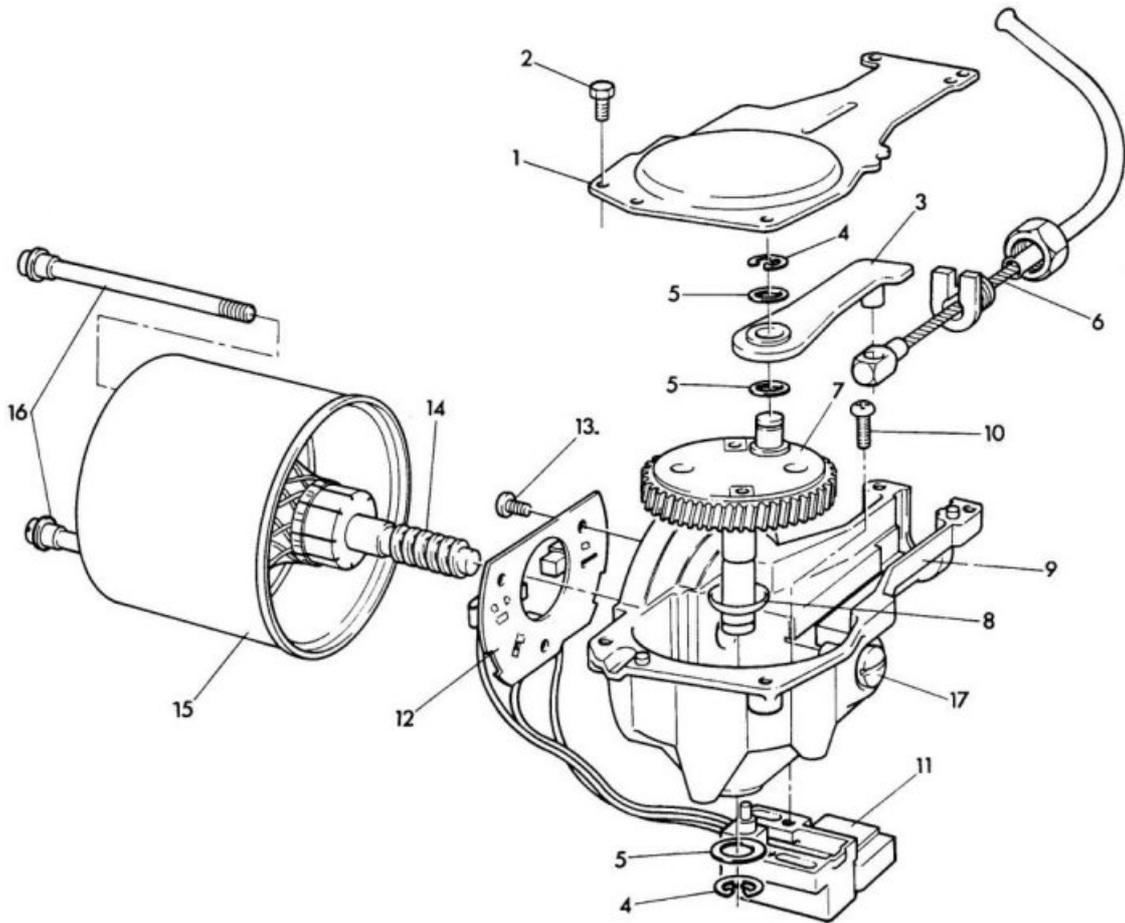
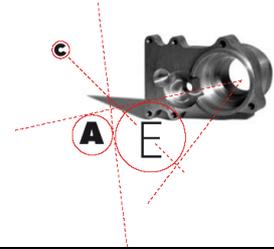
it is important that you use the correct wiper 2-speed switch as supplied. The reason for this is that when the switch is in the off position with the ignition switched on there is one connection which becomes live. This operates the parking position. If you use a non-live switch then the wipers would stop whenever the switch was switched off.

If purchasing a second hand motor make sure there are 3 wires going into the motor body. This is the way to tell if the motor is 2-speed, 1 speed only has 2 wires.

CAE PERFORMANCE PRODUCTS

7 Main Road Castlemaine, VIC. 3450
 T 03 5472 1442
 F 03) 5472 4111
 W www.caeperformanceproducts.com.au
 E info@caenterprises.com.au

WM-Chev-55-56-C/D



KEY:

- | | | |
|------------------------|----------------------------|----------------------|
| 1 Gearbox cover | 7 Gear wheel with crankpin | 13 Screw for brushes |
| 2 Screw for cover | 8 Dished washer | 14 Armature |
| 3 Connecting Rod | 9 Gearbox | 15 Yoke |
| 4 Circlip | 10 Limit switch screw | 16 Bolts |
| 5 Washers | 11 Limit switch | 17 Thrust screw |
| 6 Flexible wiper drive | 12 Brush gear | |

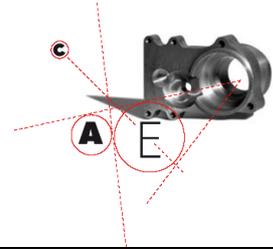


WIPER KITS
 Made to your requirements

CAE PERFORMANCE PRODUCTS

7 Main Road Castlemaine, VIC. 3450
T 03 5472 1442
F 03) 5472 4111
W www.caeperformanceproducts.com.au
E info@caenterprises.com.au

WM-Chev-55-56-C/D



WASHER KIT ASSEMBLY 1.2 LITRES

Bottle & pump assembly, mounting bracket, push button switch, tube & a twin Jet.



WINDSCREEN WASH PUMP

Drive Tube (correct material) Cut & flared.

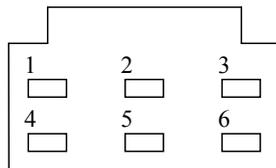
No Charge

Wheelboxes Pt No 72889

32 tooth gear wheel.3 1/4 inch drive shaft.

Wiper Motor Pin Outs.

Plugs viewed from the front not the wiring side

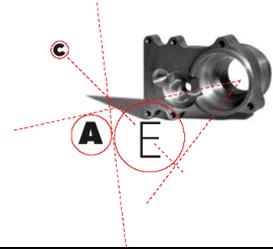


- 1) Black (Earth)
- 2) Green/Red (Low)
- 3) Blue/Red (Park)
- 4) Blank
- 5) Yellow/Blue (High)
- 6) Green/White (+ve)

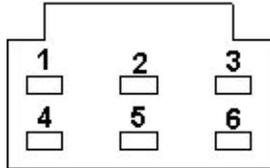
CAE PERFORMANCE PRODUCTS

7 Main Road Castlemaine, VIC. 3450
 T 03 5472 1442
 F 03) 5472 4111
 W www.caeperformanceproducts.com.au
 E info@caenterprises.com.au

WM-Chev-55-56-C/D

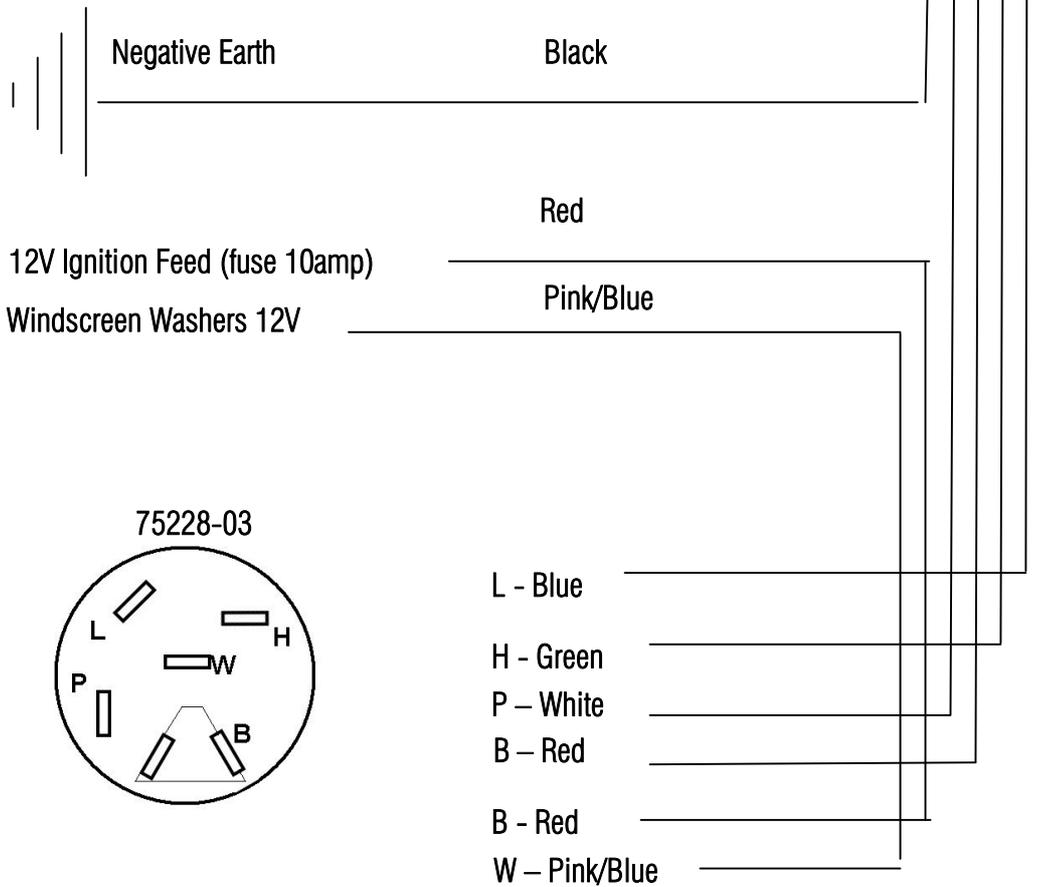


WIPER MOTOR LOOM PINOUTS



- 1) White - Park
- 2) Blue - Low Speed
- 3) Black - Earth
- 4) Red - 12V Feed
- 5) Green - High Speed
- 6) Blank

6 Pin Female Loom Plug
As Viewed from the front



Wiper switch system is 12V Positive Feed