



**Jaguar and Rover Triumph**  
Parts & Accessories  
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# FITTING INSTRUCTIONS

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## ELECTRIC WINDSCREEN WASHER

Kit Part No. RTC 2039

for the

**LAND-ROVER**

SERIES III 2 $\frac{1}{4}$  AND 2-6 PETROL AND DIESEL

**UNIPART**

ELECTRIC WINDSCREEN WASHER KIT. PART NO. RTC2039.

BRIEF

DESCRIPTION: The kit consists of a windscreen washer reservoir powered by an electric pump, the pump being mounted separately from the reservoir, both locate in the engine compartment on the left-hand wing valance. The original switch fitted to the windscreen single speed wiper motor is replaced by a new switch giving wiper and washer operation from a single control.

Kit comprises:

<u>Description</u>	<u>Qty</u>	<u>Part No</u>
Wiper and washer combined label	1	346761
Water container	1	PRC1080
Cap	1	PRC1081
Non-return valve	1	90608330
Screw (10 UNF x ½")	3	257017
Plain washer	3	3816
Spring washer	3	3073
Nut (10 UNF)	3	257023
Jet c/w fixing tube, RH	1	348641
Jet c/w fixing tube, LH	1	348066
Tee connection	1	568028
Tube, tee connection to pump	1727 mm	84221
Tube, container to pump	660 mm	84221
Clip, pipe to dash, upper LH	1	90519602
Drive screw, clip to dash	1	72626
Cleat, washer tube to wiper drive bundy tube	3	240429
Pump motor assembly, LH wing valance	1	589353
Screw (10 UNF x ½")	2	78276
Plain washer	2	3902
Spring washer	2	3073
Nut (10 UNF)	2	257023
Edge clip to LH wing	3	345662
Clip	1	90519602
Screw (4BA x ¾")	1	77701
Spring washer	1	3072
Nut (4BA)	1	4024
Lead, harness to washer motor	1	623099
Lead, washer motor to earth	1	559128
Single speed wiper/washer switch	1	579006
Grommet for screen washer tube	1	555711

NOTE:

The Manufacturers reserve the right to vary their specifications with or without notice, and at such times and in such manner as they think fit. Major as well as minor changes may be involved in accordance with the Manufacturer's policy of constant product improvement.

Whilst every effort is made to ensure the accuracy of the particulars contained in this Fitting Instruction, neither the Manufacturer nor the Distributor or Dealer by whom this Fitting Instruction is supplied, shall in any circumstances be held liable for any inaccuracy or the consequences thereof.

- PROCEDURE:
1. Disconnect the battery earth lead.
  2. Remove the overflow bottle attached to the left-hand side of the radiator.
  3. Holes for the water container and pump may be provided in the left-hand front wing valance on late models. For early vehicles without existing holes, refer to Fig.1. for drilling instructions.

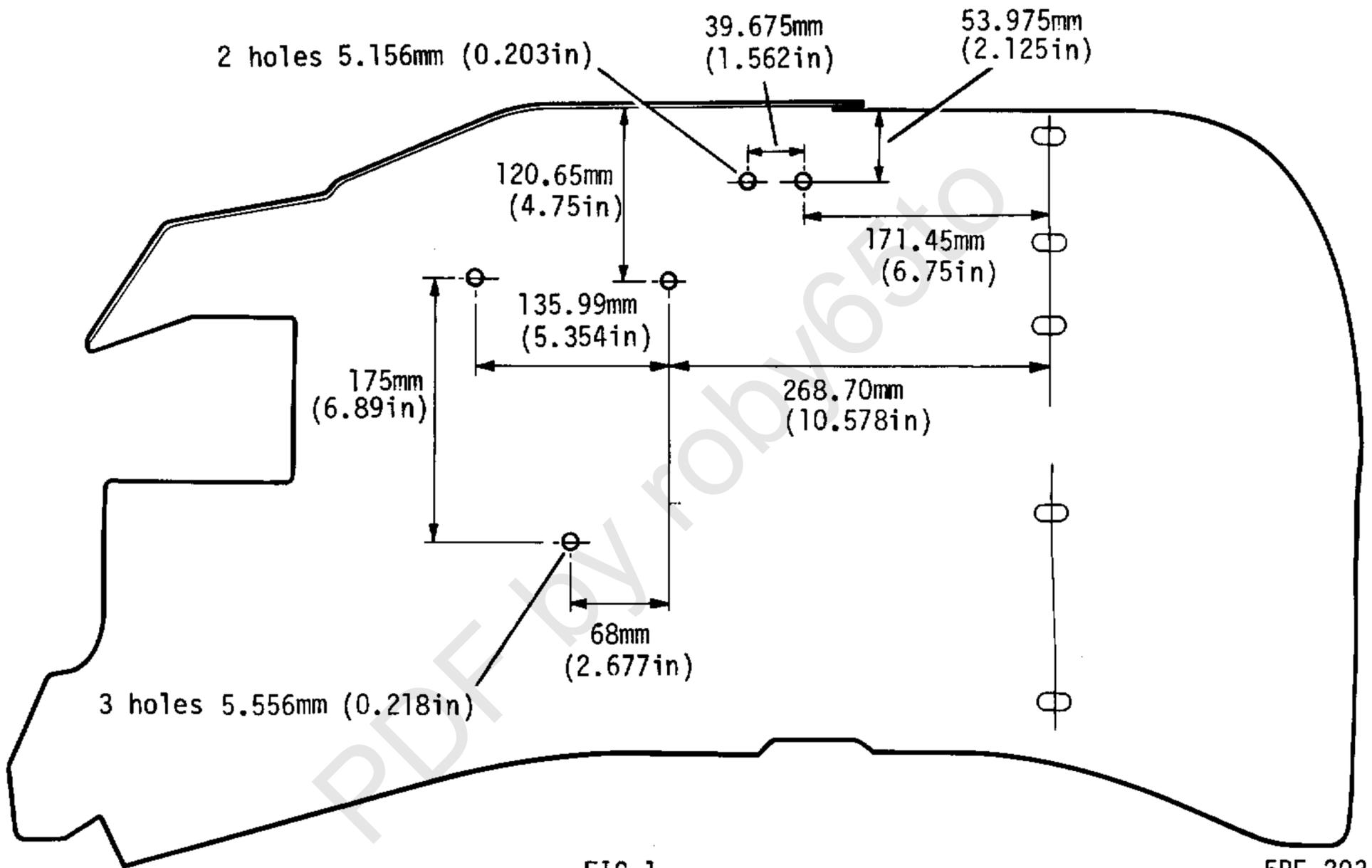


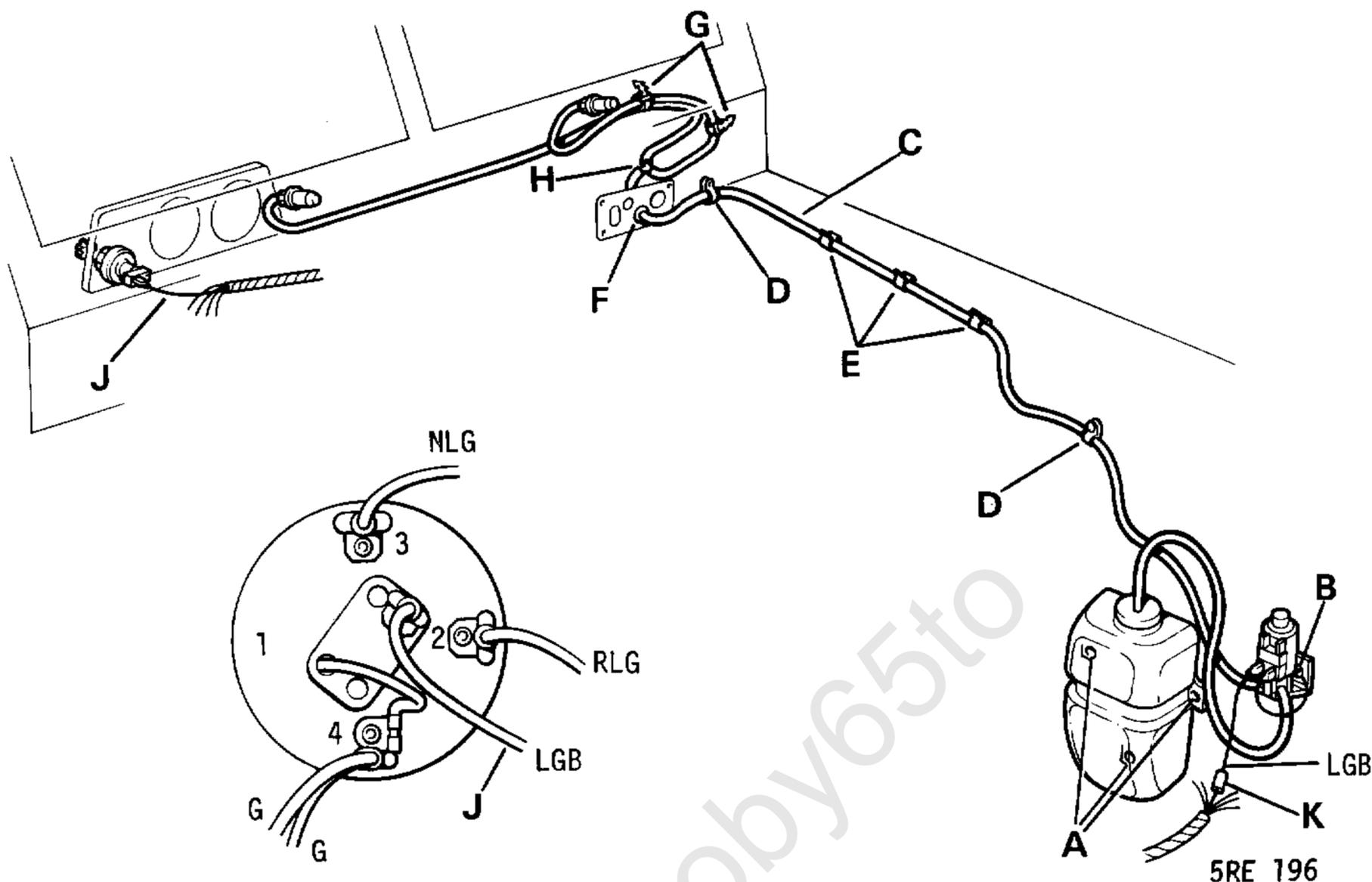
FIG.1.

5RE 203

Drilling instructions for water reservoir and pump fixing holes on the left-hand inner wing valance.

4. Secure the water container to the wing valance in the engine compartment using screws 257017 (3), plain washers 3816 (3), spring washers 3073(3) and nuts 257023(3).
5. Fit the pump motor assembly 589353 to the wing valance using screws 78276(2), one with earth wire 559128 attached, plain washers 3902(2), spring washers 3073(2) and nuts 257023(2).
6. Fit the short plastic tube from the reservoir to the pump at the connection furthest from the reservoir.

7. Fit the long plastic tube 84221, pump to tee-junction, at the pump.
8. Connect earth wire to pump at the terminal marked '- '.
9. Connect feed wire 623099, to pump at terminal marked '+ '.
10. Replace the overflow bottle to the left-hand side of the radiator.
11. Drill one hole 4 mm (5/32") diameter in wing valance for first clip retaining tube from pump.
12. Pass plastic tube and feed wire through clip 90519602 and fix in position with screw 77701, spring washer 3072 and nut 4024.
13. Connect plastic tubing to wing valance, using edge clips 345662(3).
14. Drill one 3,5 mm (9/64") diameter hole in the front face of the dash panel and secure the tubing to the dash using clip 90519602 and drive screw 72626.
15. Fit grommet 555711 into the grommet plate at the left-hand side of the dash.
16. Feed the plastic tubing through the grommet and fit the tee-piece connection 568028.



Cable colour code:

B - Black G - Green L - Light N - Brown R - Red

FIG.2.

Pictorial arrangement of windscreen washer kit.

- |                                 |                              |
|---------------------------------|------------------------------|
| A - Holes for water container   | F - Grommet for plastic tube |
| B - Holes for washer pump motor | G - Rubber cleats            |
| C - Long plastic tube           | H - Tee connection           |
| D - Tube clips                  | J - Spare switch lead        |
| E - Edge clips                  | K - Spare pump lead          |

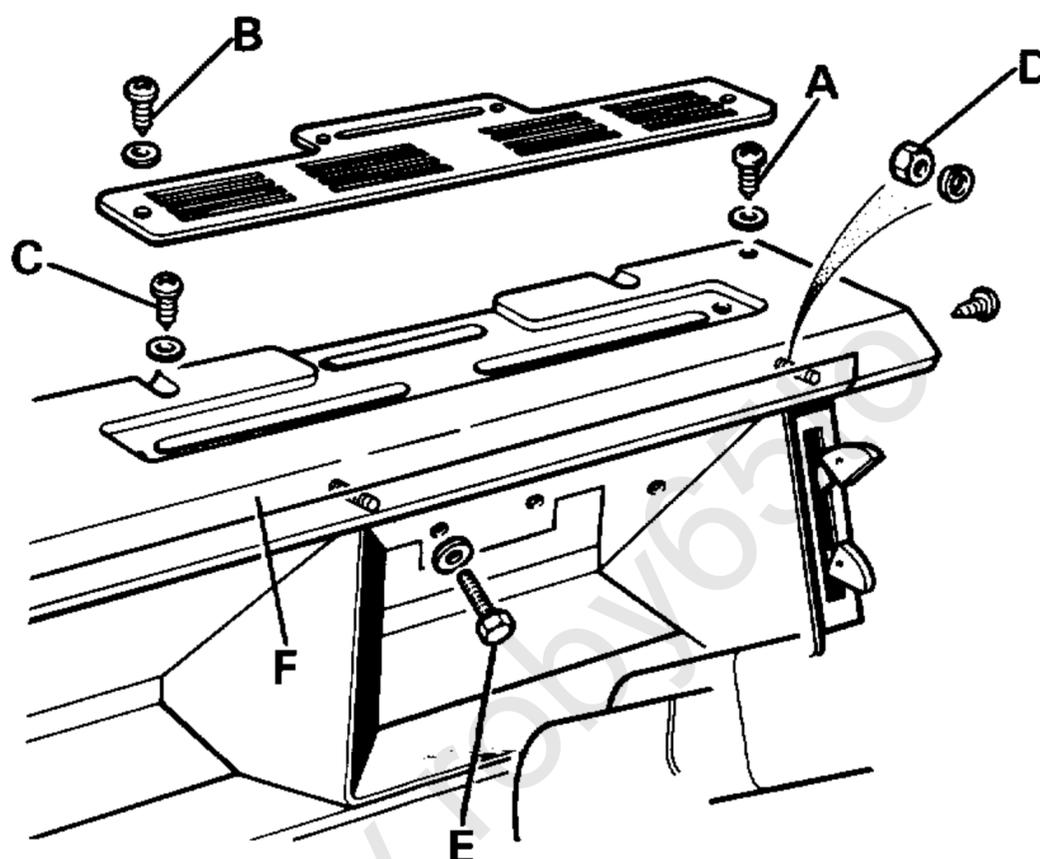
17. Remove the end covers from each end of the top rail. Where a heater control panel is fitted in the end cover, neither the two retaining screws or the control knob need be disturbed. (Fig.3.)

18. Remove the fresh air grilles.

19. Remove the screws from the front edge of the top rail.

20. Remove the nuts from the studs securing the top rail to the fascia support panel.

21. Remove the two screws retaining the instrument panel and withdraw the panel clear of the dash.
22. Slacken only the four bolts securing the instrument housing to the facia support panel to allow the studs in the top rail to be moved clear of the facia support.
23. Withdraw the facia top rail.



5RE 197

FIG.3.

Facia panels.

- |                                       |  |
|---------------------------------------|--|
| A - End cover fixing screws           | D - Top rail to facia panel fixing nuts. |
| B - Fresh air grille fixing screws    | E - Instrument housing fixing bolts      |
| C - Top rail front edge fixing screws | F - Top rail                             |

24. Remove the end cover from the left-hand lower facia to expose the wiper motor installation. (Fig.4.)
25. Thread the plastic tubing through the aperture used for the wiper motor leads and pass it alongside the drive cover tube to the tee piece connection, retaining it with the rubber cleats 240429(3) provided. (See Fig.2.)

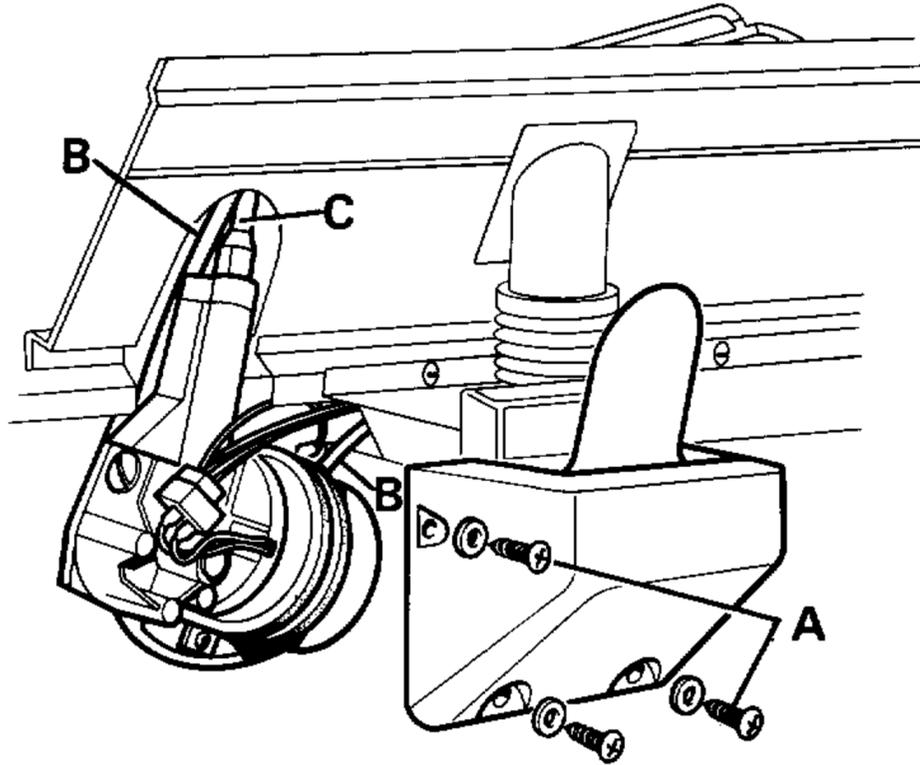


FIG.4.

5RE 198

Location of washer tubing.

- A - Left-hand lower facia cover fixing screws
- B - Washer tubing
- C - Wiper cover tube

26. Holes are provided adjacent to the wiper mechanism in the inner and outer top-vent panel for the fitting of the two washer jets. The outer holes are sealed with blanking plugs which should be discarded. (Fig.5.)

27. Remove the hexagon nut from each jet assembly 348641 (RH) and 348066 (LH), and insert the jet through the panels ensuring that the rubber sealing washer is in position on the weather side of the panel. Locate the nut over the plastic tube and tighten.

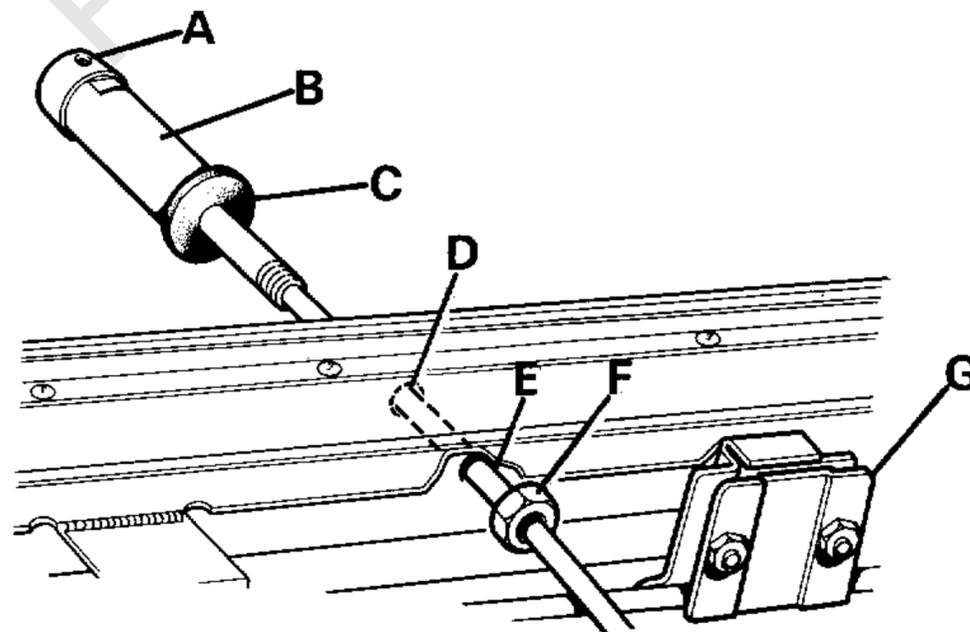


FIG.5.

5RE 199

- |  |   |
|--|---|
| A - Jet hole                           | E - Plastic tube fed through existing holes in inner and outer panels |
| B - Jet and tube assembly              | F - Securing nut for jet  |
| C - Rubber washer                      | G - Windscreen wiper wheelbox   |
| D - Hole fitted with blanking off plug |   |

28. Connect the RH and LH plastic tubes carrying the jets to the tee-piece connection. (See Fig.2.)
29. Remove the old screen wiper switch from the panel after first disconnecting the wires. Fit the new single speed wiper/washer switch 579006.
30. Reconnect the original wires. A spare light green and black lead is incorporated in the harness for attaching to the additional washer contact on the centre of the switch.
31. The other end of the spare lead emerges from the harness adjacent to the reservoir on the front left-hand wing. This should be connected to the short feed lead on the pump motor.
32. Reconnect the battery.
33. Fill the washer reservoir with clean water and check operation of the wiper and washer system.
34. Refit facia panels etc., using original fixings.

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