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WINDSCREEN WASHERS

Washer reservoir

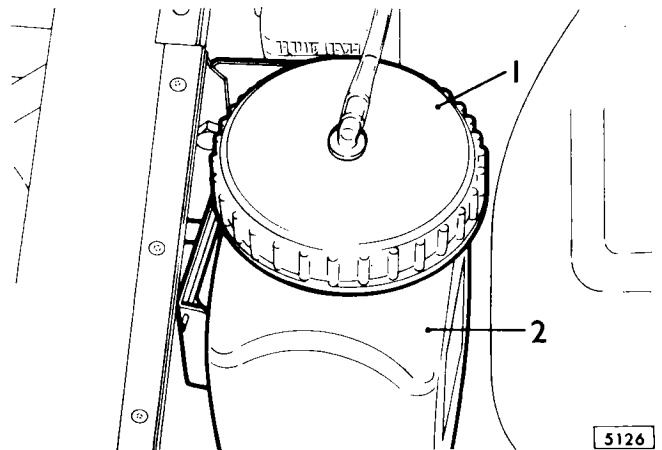
Remove and refit 84.10.01

Removing

1. Unscrew cap from windscreen washer reservoir.
2. Lift reservoir from bracket.

Refitting

Reverse operations 1 and 2. Use recommended additive.



5126

WASHER RESERVOIR BRACKET

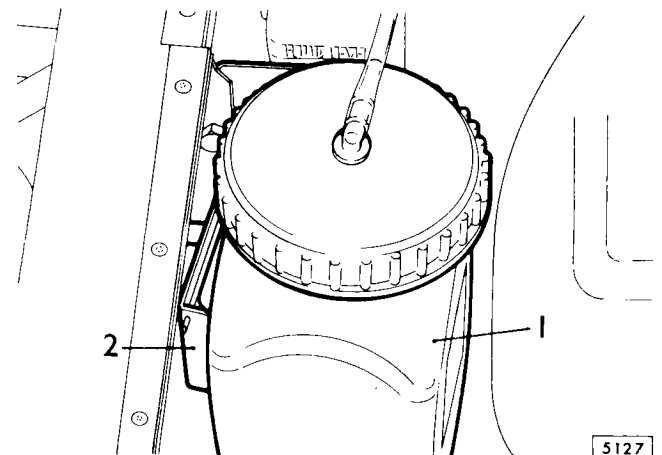
Remove and refit 84.10.02

Removing

1. Remove washer reservoir — 84.10.01.
2. Remove setscrews and locknuts securing bracket to mudshield.

Refitting

3. Secure washer reservoir bracket to mudshield using two setscrews, four plain washers, two spacers and two locknuts.
4. Refit washer reservoir.



5127

WASHER JETS

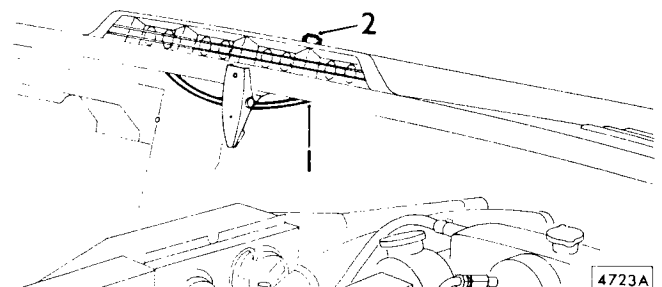
Remove and refit 84.10.09

Removing

1. Pull plastic tube from washer jet.
2. Unscrew cap nut and remove washer jet from bonnet.

Refitting

3. Use new rubber seal, if necessary, beneath jet, and secure to bonnet with one cap nut.
4. Push on plastic tube.
5. Close bonnet, operate washer, and re-aim jets for optimum performance.



4723A

WASHER PUMP

Remove and refit

84.10.21

Removing

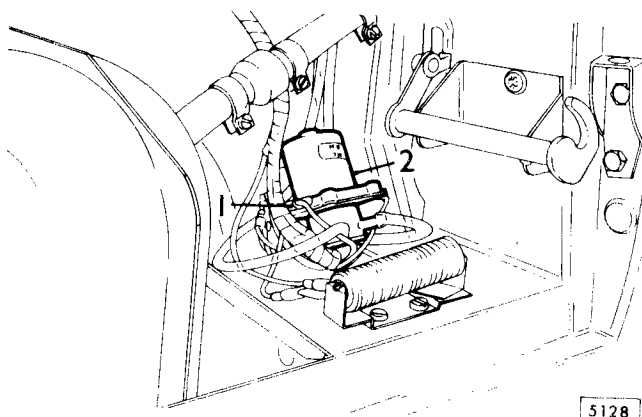
1. Beneath heater unit, pull electrical connectors from washer pump motor.
2. Remove self-tapping screws securing pump bracket to bulkhead.

Refitting

3. Secure pump to bulkhead using two self-tapping screws and shakeproof washers.

NOTE: Fit earth connector beneath right hand screw between two shakeproof washers.

4. Fit electrical connectors to pump motor.



WASHER CONTROL SWITCH

Remove and refit

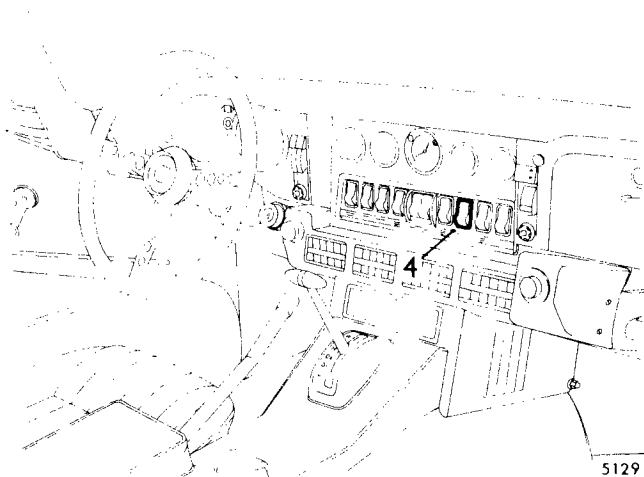
84.10.27

Removing

1. Disconnect battery – 86.15.19.
2. Remove two knurled finger nuts and hinge facia centre panel down.
3. Note connections on windscreen washer switch.
4. Use two screwdrivers to depress plastic locking tabs on switch body, and press out through front of panel.

Refitting

5. Ensure switch right way up and square to aperture, and press into panel until locking tabs engage.
6. Fit connectors.
7. Refit facia centre panel.
8. Reconnect battery.



WINDSCREEN WIPERS

Wiper arm/s

Remove and refit

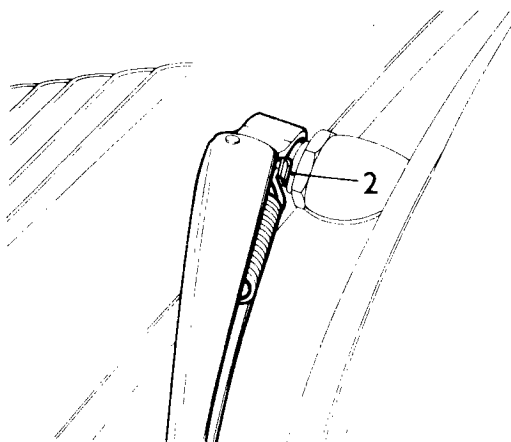
Left hand – 84.15.02
Right hand – 84.15.03

Removing

1. Note angle of parked windscreen wiper arm.
2. Lift spring clip and pull wiper arm from spindle.

Refitting

3. Check condition of spindle splines. If very badly worn, wiper backplate and wheelboxes assembly must be changed – **84.15.30.**
4. Thoroughly clean splines, and lightly coat with waterproof grease.
5. Press wiper arm on to spindle at angle noted in operation 1.
6. Test operate windscreen wipers and re-locate arm if necessary.



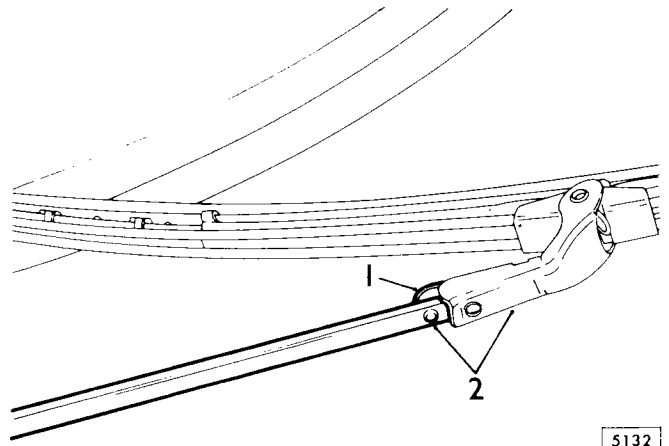
84.10.21
84.15.03

WIPER BLADES**Remove and refit****84.15.05****Removing**

1. Hold blade in left hand, and, with thumb nail of right hand, press spring clip towards windscreen.
2. Press wiper arm towards windscreen to disengage dimple from blade, and slide blade from arm.

Refitting

3. Press blade straight on to wiper arm until dimple engages and spring clip locks.



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WIPER MOTOR**Remove and refit****84.15.12**

CAUTION: Early windscreen wiper motors are identified by the suffix 'A' following the manufacturers five figure part number. If one of these motors is to be changed, it should be replaced by a motor bearing the suffix 'B'.

Removing

1. Remove wiper motor assembly – 84.15.13.
2. Remove gear assembly – 84.15.14.

Refitting

3. Fit gear assembly to replacement motor.
4. Fit wiper motor assembly.

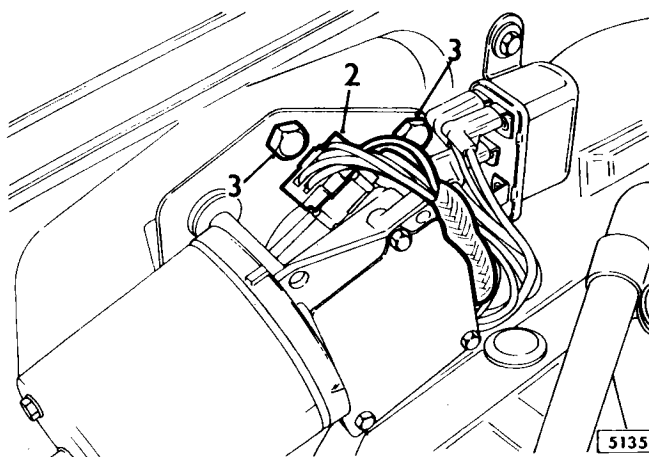
WIPER MOTOR AND GEAR ASSEMBLY

Remove and refit

84.15.13

Removing

1. Disconnect battery — 86.15.19.
2. Disconnect connector plug to windscreen wiper motor.
3. Remove four setscrews and shakeproof washers retaining motor mounting plate at bulkhead.



4. Carefully draw motor and mounting plate from bulkhead until primary link is accessible. Retain link with twist of welding wire or strong cord.
5. Draw 'C' spring clip from rotary link and recover one plain washer and one wave washer. Lift motor assembly clear.

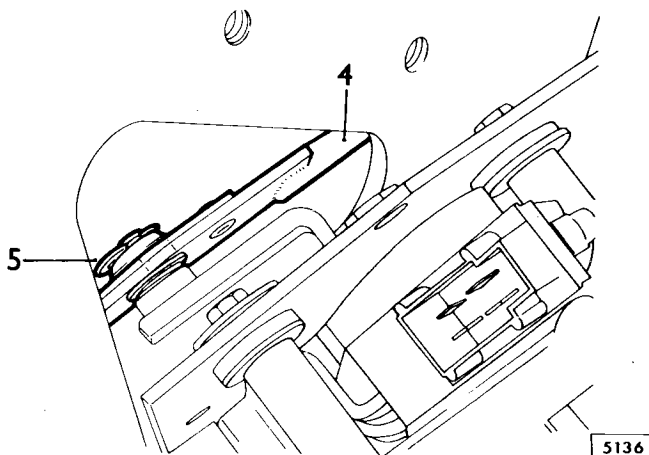
Refitting

6. Examine gasket and renew if necessary.
7. Fit wave washer, primary link and plain washer on motor rotary link pin and retain with 'C' spring clip.
8. Secure motor mounting plate to bulkhead with four setscrews and shakeproof washers.

NOTE: Fit cable clip beneath one setscrew.

9. Fit connector plug.
10. Reconnect battery.
11. Operate wiper switch and check parking position.

NOTE: Reset position of wiper **arms — see operation 84.15.02/03.**



GEAR ASSEMBLY**Remove and refit****84.15.14**

NOTE: The gear assembly must be marked and removed from motor assembly to ensure that gear cam/rotary link relationship is retained in replacement assembly.

Removing

1. Remove wiper motor and gear assembly – 84.15.13.
2. Remove motor mounting screws.
3. Remove three drive screws securing top cover of gearbox. Clear grease from face of gear assembly and scribe a mark in line with the rotary link.
4. Place rotary link in a vice and remove nut and washers. Lift gear assembly from gearbox.

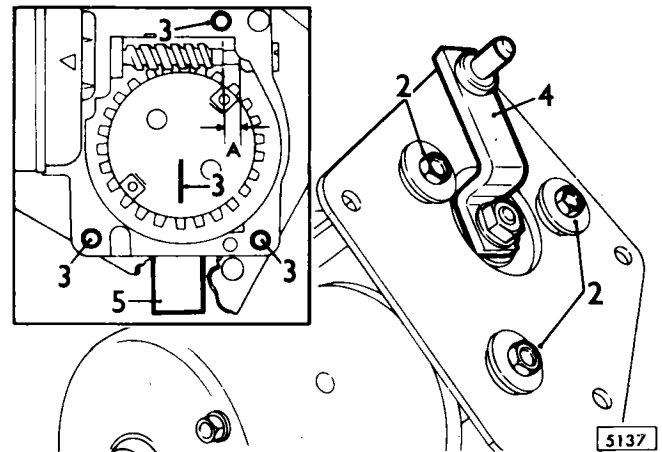
Refitting

Scribe a mark on replacement gear in an identical position, relative to cam ramp, to that made in operation 3.

5. Place gear assembly in gearbox casing and secure by fitting rotary link, washers and nut.

NOTE: Ensure scribed mark is in line with link.

6. Use feeler gauge to ensure gap between end of armature shaft and adjustment screw is 0.05 to 0.2 mm (0.002 in. to 0.008 in.), dimension 'A'.
7. Add suitable grease.
8. Fit gearbox cover and secure.
9. Replace motor mounting screws.
10. Fit wiper motor assembly.

**PARKING SWITCH****Remove and refit****84.15.15**

Failure of the parking switch necessitates replacement of the complete motor assembly. The motor assembly is supplied with no gear fitted, a replacement gear assembly must be ordered at the same time as the motor.

For procedure see – 84.15.12.

WIPER PRIMARY LINK

Remove and refit

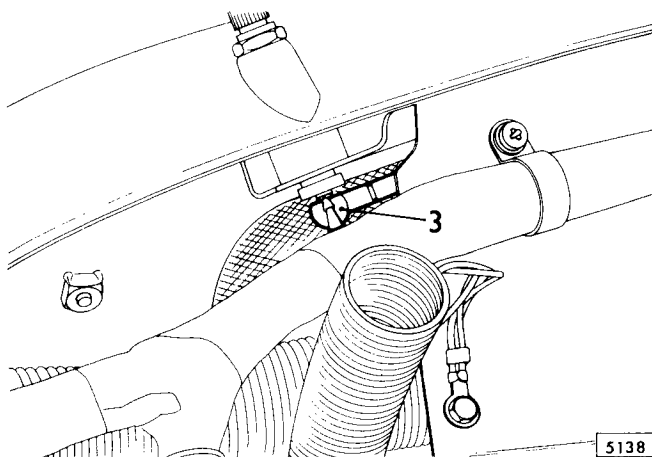
84.15.26

Removing

1. Remove wiper motor and gear assembly – 84.15.13.
2. Remove screen rail fascia assembly – 76.46.01.
3. On left hand side of vehicle detach ball socket from wheel box lever; draw primary link through motor mounting aperture.

Refitting

4. Before fitting replacement link, ensure that the distance between bearing bush and ball socket centres is identical to that on replaced link. If necessary slacken locknut and adjust ball socket. Ensure that the planar relationship between bearing bush plate and ball socket is identical to that on replaced link. If necessary slacken locknut and adjust ball socket. Tighten locknut.
5. Secure length of welding wire or strong cord to bearing bush end of link.
6. Enter link, ball socket end first, through motor mounting aperture, and fit ball socket to left hand wheelbox lever.
7. Refit wiper motor assembly.
8. Refit screen rail fascia assembly.



BACKPLATE AND WHEELBOXES ASSEMBLY

Remove and refit

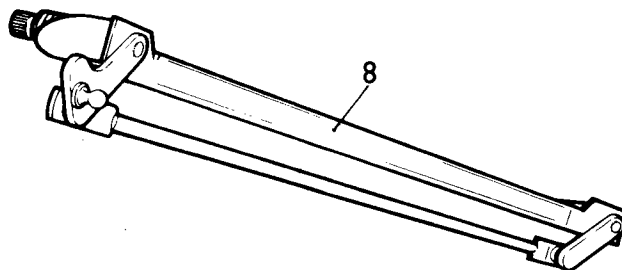
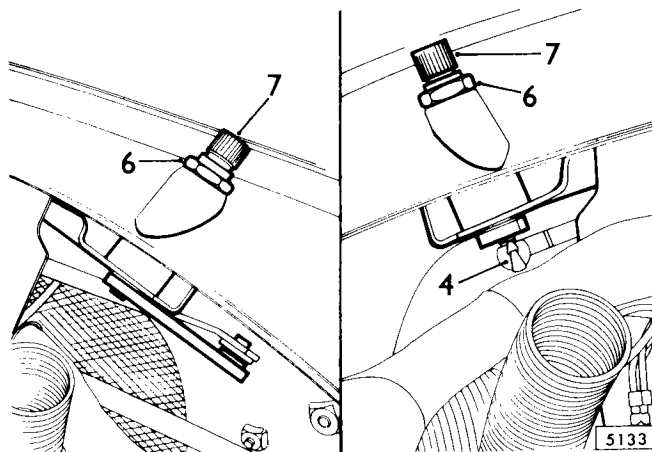
84.15.30

Removing

1. Disconnect battery – 86.15.19.
2. Remove screen rail fascia assembly – 76.46.01.
3. Release two knurled nuts and lower centre fascia panel.
4. Tie length of strong cord to ball socket end of primary link; release clip and allow link to fall.
5. Remove windscreen wiper arms – Left hand 84.15.02 – Right hand 84.15.03.
6. Remove large nut from wiper shafts and recover one finisher and rubber seal from each.
7. Press both shafts simultaneously to drop assembly into car.
8. Manoeuvre assembly from fascia rail.

CAUTION: Take great care not to damage windscreen.

NOTE: Release cable harness clips as necessary.



Refitting

9. Manoeuvre replacement assembly into position and press wiper shafts out through scuttle.
10. Secure each wiper shaft with new rubber seal, finisher and large nut.
11. Resecure cable harness clips as necessary.
12. Draw up primary link, grease ball socket, and fit to left hand wheelbox lever. Remove cord.
13. Refit facia centre panel.
14. Refit screen rail facia assembly.
15. Lightly oil wiper shafts, and fit wiper arms.
16. Reconnect battery.

WIPER CONTROL SWITCH**Remove and refit****84.15.33****Removing**

1. Disconnect battery – 86.15.19.
2. Remove two knurled finger nuts and hinge facia centre panel down.
3. Note connections on windscreen wiper switch.
4. Use two screwdrivers to depress plastic locking tabs on switch body, and press out through front panel.

Refitting

5. Ensure switch right way up and square to aperture, and press into panel until locking tabs engage.
6. Fit connectors.
7. Refit facia centre panel.
8. Reconnect battery.

