

AUDI

INSTRUMENT CLUSTER

1970-73

Audi S90 — Before removing instrument cluster, remove heater lower outlet and proceed as follows:

1) Disconnect heater control cable after removing knob. Remove lower instrument trim panel. Remove steering wheel hex nut cover and remove steering wheel.

2) With ignition key removed from lock, remove lower steering column shroud, making sure battery ground cable is disconnected.

3) Remove cluster by extracting three hex nuts below or behind instrument panel. Disconnect speedometer cable and warning light.

Audi Fox — Disconnect battery ground cable and remove lower instrument panel trim. Disconnect speedometer shaft at speedometer and multiple plug at back of cluster. Disconnect left and right mounting springs using suitable long nose pliers. Remove cluster by pulling it forward.

Audi 100 — After removing battery ground cable, proceed as follows:

1) Remove instrument panel padding. Remove two hex nuts from cluster cover and remove cover, washers and foam rubber strips.

2) Pull instrument cluster assembly straight out. Disconnect multiple plug and (if equipped) tachometer cable. Disconnect speedometer cable and remove cluster.

SPEEDOMETER, CLOCK & GAUGES

1970-73

Speedometer, clock and all gauges may be removed after first removing instrument cluster from panel.

HAZARD WARNING & TURN SIGNAL FLASHER

1970-73

Single, plug-in type unit mounted on fuse block. Plug-in connectors can be installed in only one position. Be sure that flasher connector blades are properly positioned and indexed with receptacle sockets.

IGNITION SWITCH

1970-73

Audi S90 — Disconnect battery ground cable and proceed as follows:

1) Remove instrument panel trim and steering column shroud. Disconnect wire from indicator light switch (flat plug).

2) Disconnect four flat plug connectors color coded red, red-black, black, and black-yellow. Turn ignition key to "OFF" position, unscrew and remove ignition switch.

3) To install, reverse removal procedure and note the following: Ignition key must be in "OFF" position and inner cylinder of switch must be turned so stamped letter "B" is aligned with stamped arrow on switch housing.

STOP LIGHT SWITCH

1970-73

Switch is hydraulically operated by brake fluid pressure and is attached to end of brake master cylinder.

AUSTIN HEALEY

SPEEDOMETER

1963-69

4 Cylinder Models — Remove console. Unscrew trip reset retaining nut and disengage reset from bracket. Disconnect speedometer drive cable. Unscrew knurled retaining nuts, disconnect ground wire, remove retaining brackets, and pull instrument from position.

6 Cylinder Models — Disconnect speedometer cable and pull out indicator bulb. Unscrew knurled nuts and bracket plate; withdraw speedometer from dash.

IGNITION SWITCH

1963-67

6 Cylinder Models — Unscrew lock nut securing switch to instrument panel. Disconnect electrical leads at rear of switch and remove switch.

STOP LIGHT SWITCH

1963-69

4 Cylinder Mk III & Mk IV — Mechanical type mounted on a bracket at brake pedal lever.

4 Cylinder Mk II — Hydraulic design mounted in-line near brake master cylinder.

6 Cylinder Models — Hydraulic type located in engine compartment on right side of vehicle. Switch is connected into a "T" fitting in brake line.

TURN SIGNAL FLASHER

1963-67

6 Cylinder Models — Flasher is located under hood.

AUSTIN HEALEY (Cont.)

TURN SIGNAL INDICATOR

1963-67

6 Cylinder Models — Pull out bulb holder from rear of warning light and unscrew bulb. To remove green lens, unscrew chrome retaining ring from front side of instrument panel.

TACHOMETER

1963-69

4 Cylinder Models — Disconnect battery and unscrew the two knurled retaining nuts. Disconnect ground wire and remove retaining brackets. Withdraw tachometer from instrument panel carefully disconnecting wires.

OVERDRIVE SWITCH

1963-67

6 Cylinder Models — Unscrew lock nut securing switch to instrument panel. Pull switch from instrument panel and disconnect all electrical leads.

INSTRUMENT PANEL SWITCH

1963-67

6 Cylinder Models — Remove two screws securing panel switch to underside of instrument panel. Disconnect all electrical leads and pull switch out.

WINDSHIELD WIPER & HEADLIGHT SWITCH

1963-67

6 Cylinder Models — Disconnect knob from switch by pushing in retaining plugger and pulling knob away from instrument panel. Unscrew nut on outside of switch body. Disconnect electrical leads and pull switch out.

FUEL GAUGE

1963-69

4 Cylinder Models — Remove console and speedometer. Remove retaining nut and disconnect ground wire. Remove retaining bracket and pull gauge from instrument panel.

6 Cylinder Models — Disconnect terminals from behind gauge and unscrew knurled nut. Withdraw gauge from front of instrument panel.

CONSOLE

1963-69

4 Cylinder Mk III & Mk IV — Disconnect battery, remove screw securing left front end of parcel shelf and screw retaining console. Pull console to rear, tilting top forward to clear underside of instrument panel. Disconnect wiring from snap connectors and remove console complete with switches and fittings.

AUSTIN MARINA

INSTRUMENT CLUSTER

1973

Remove instrument panel and the four screws and washers retaining cluster to instrument panel. Remove four sleeve screws from back of cluster and clips securing glass to front of cluster.

SPEEDOMETER, CLOCK & GAUGES

1973

Speedometer, clock and all gauges may be removed after first removing instrument cluster from panel.

HAZARD WARNING & TURN SIGNAL FLASHER

1973

Flasher unit is located just above and to the right of the steering column. To remove, disconnect battery ground cable. Disconnect wiring from flasher and pull unit from holder.

IGNITION SWITCH

1973

Disconnect battery and remove four screws securing switch covers. Remove covers and disconnect electrical leads at harness connectors. Remove screw retaining switch in lock housing and remove switch assembly. To install, reverse removal procedure ensuring that locating peg on switch registers in groove in lock housing.

STOP LIGHT SWITCH

1973

Disconnect wiring from switch and remove screws retaining switch mounting bracket. Remove bracket and switch assembly. Withdraw split pin locking switch in bracket and unscrew switch. To install, reverse removal procedure ensuring that one complete thread of switch housing is visible on pedal side of bracket.