

DATSUN

INSTRUMENT CLUSTER

B210, 610 & 710 — Remove speedometer cable and disconnect wiring from cluster. Remove screws and lift off cluster cover. Remove cluster retaining screws and remove cluster.

620 Pickup — Disconnect battery ground cable. Remove screws securing cluster to instrument panel and from under panel remove screw securing cluster to dash. Withdraw cluster slightly, then from behind cluster disconnect speedometer cable and wiring. Remove screws securing cluster cover to cluster and remove cluster assembly.

SPEEDOMETER & GAUGES

All Exc. 260Z Models — Speedometer and all gauges may be removed after removing instrument cluster.

260Z Models — Speedometer, tachometer and all gauges are removed individually from instrument panel. All units are secured at back with wing nuts. To remove center gauges, first remove center console trim.

IGNITION SWITCH

All Models — To remove ignition switch, drill out old shear bolts and remove switch. When installing switch, use new shear bolts.

HONDA

INSTRUMENT CLUSTER

Disconnect battery ground cable and remove three cluster mounting wing nuts from rear of cluster. Disconnect speedometer and tachometer (if equipped) drive cables from engine. Pull cluster away from panel and disconnect wiring, speedometer and tachometer (if equipped) drive cables from cluster. Remove cluster.

SPEEDOMETER, TACHOMETER & GAUGES

Speedometer, tachometer (if equipped) and all other gauges may be removed after first removing instrument cluster.

STOP LIGHT SWITCH

Mechanical type mounted on brake pedal bracket. Switch also serves as brake pedal stop. Adjust switch to give .039-.196" (1-5 mm) freeplay at center of brake pedal.

JAGUAR

INSTRUMENT CLUSTER

Sedan Models — Disconnect battery. Remove two knurled screws and hinge down instrument cluster. Disconnect voltage stabilizer and wiring, remove four setscrews and remove cluster. Individual instruments may now be removed from cluster.

XKE Models — Disconnect battery. Remove both left and right hand parcel trays. Remove dash liner and two knurled screws. Hinge down instrument cluster. Disconnect wiring and remove pivot screws. Remove cluster. Individual instruments may now be removed from cluster.

SPEEDOMETER & TACHOMETER

Speedometer and tachometer may be removed by disconnect wiring and speedometer drive cable and releasing securing clamps.

HAZARD WARNING & TURN SIGNAL FLASHERS

Two separate flashers are used and are located under center of instrument panel.

IGNITION SWITCH

Disconnect battery and remove steering wheel. Remove switch cover and steering column covers. Remove dash casing and disconnect switch wiring. Remove upper steering column. Withdraw retaining screw from switch body and remove switch unit. Remove shear bolt using a suitable tool. To install, reverse removal procedure and use new shear bolts.

STOP LIGHT SWITCH

Mechanical type mounted on brake pedal bracket.

LUV

INSTRUMENT CLUSTER

Disconnect speedometer cable, remove wing nuts from rear of cluster and pull cluster part way out. Disconnect wiring and remove cluster.

SPEEDOMETER & GAUGES

Speedometer and all gauges may be removed after first removing instrument cluster.

STOP LIGHT SWITCH

Mechanical type mounted on brake pedal bracket.

MG

SPEEDOMETER

MG Midget — Disconnect battery and remove screw securing left front end of parcel shelf. Remove console retaining screws and pull console to rear, tilting top forward to clear underside of dash. Disconnect wiring and remove console complete with switches and fittings. Unscrew trip reset retaining nut

and disengage reset from bracket. Disconnect drive cable and remove knurled retaining nuts, ground wire and retaining brackets. Pull speedometer from dash and disconnect wiring.

MGB & MGB GT — Unscrew trip reset knob retaining nut and remove reset from bracket. Unscrew two knurled retaining nuts, remove bracket and pull speedometer from dash. Disconnect drive cable.

MG (Cont.)

TACHOMETER

All Models – On MGB & MGB GT models, remove lower left hand instrument panel cover. On all models, unscrew two knurled retaining nuts, disconnect ground cable and remove retaining brackets. Pull tachometer from dash and disconnect wiring.

GAUGES

To remove fuel, oil pressure and temperature gauges, remove components listed below to gain access to unit then unscrew knurled retaining nuts, pull instrument from dash and disconnect wiring.

To Remove

First Remove

Fuel Gauge	
MG Midget.....	Speedometer
MGB & MGB GT.....	None
Oil Pressure Gauge (MGB & MGB GT).....	Tachometer
Temperature Gauge (MGB & MGB GT).....	Heater Control
Combination Gauge (MG Midget).....	Tachometer

IGNITION SWITCH

MG Midget – Disconnect battery. Turn key to position "0". Disconnect wiring from switch and remove two screws securing switch to steering lock. Remove switch.

MGB & MGB GT – Pull off center motif from steering wheel, unscrew retaining nut and remove steering wheel using suitable tool. Remove three retaining screws from left switch cowl and remove cowl half. Remove screw retaining right cowl half and remove cowl. Unscrew four switch retaining screws, disconnect switch wiring at snap connectors and remove switch.

STOP LIGHT SWITCH

All Models – Mechanical type mounted on brake pedal bracket.

OPEL

All Models - 1) Disconnect battery ground cable and remove headlight switch button. Remove plugs on cluster panel. Remove sheet metal screws behind plugs on cluster. Pull off heater control knobs.

2) Carefully pull instrument cover towards steering wheel and remove cover. Remove screws for lower housing attachment. Disconnect speedometer cable by turning coupling counterclockwise.

3) If equipped, pull heated rear window or fog light switch out of instrument housing and disconnect wires from switches.

Pull cluster right and left sides partially out and disconnect wires on back of cluster.

SPEEDOMETER & GAUGES

Speedometer and all gauges can be removed after first removing instrument cluster.

STOP LIGHT SWITCH

Mechanical, mounted on brake pedal bracket.

PANTERA

SPEEDOMETER

Remove chrome nut securing odometer reset knob. Disconnect speedometer drive cable. Remove retaining screws from back of speedometer and remove speedometer.

TACHOMETER

Disconnect negative battery cable. Remove nuts from back of tachometer and push tachometer out from dash. Remove bulb sockets and wiring from back of tachometer.

GAUGES

Disconnect battery ground cable. Remove retaining screws from console panel and pull console panel forward and down

to reach rear of gauge. Remove bulb sockets and wiring from gauge, unscrew retaining nut and remove gauge.

IGNITION SWITCH

Disconnect battery ground cable. Remove retaining bolts from steering column and lower column. Remove retaining screws and steering column shroud. Remove retaining screws and wiring and remove ignition switch. To remove column lock, remove shear bolts with a screw extractor. Use new shear bolts when reinstalling column lock.

STOP LIGHT SWITCH

Hydraulic type mounted in pressure differential valve.

PORSCHE

INSTRUMENT CLUSTER

914 Models – Disconnect battery ground cable. Remove steering wheel and disconnect speedometer cable. Remove knob and jam nut from trip mileage reset cable. Remove four retaining screws and pull cluster away from panel. Disconnect wire and indicator lights and remove cluster.

SPEEDOMETER, TACHOMETER & GAUGES

914 Models – Speedometer, tachometer and all gauges may be removed after first removing instrument cluster.

911 Models – Connecting terminals and wires of all instruments are accessible from luggage compartment side of instrument panel after luggage compartment carpet is removed.