

SAAB

INSTRUMENT CLUSTER

1967-72

4 Cylinder Models — Remove retaining screws and pull cluster forward. Disconnect wiring and speedometer cable and remove cluster from vehicle. To install, reverse removal procedure.

SPEEDOMETER

1965-72

3 Cylinder Models — Disconnect ground wires and pull out light sockets and wires. Disconnect speedometer drive cable. On 96, Sport, and Monte Carlo, back off knurled nut retaining bezel. On 95, back off two knurled nuts. Remove speedometer.

4 Cylinder Models — Speedometer may be removed after first removing instrument cluster.

V4 Models — Disconnect ground wires and pull out light sockets and wires. Disconnect speedometer drive cable. On 96, Sport and Monte Carlo, back off knurled nut retaining bezel. On 95, back off two knurled nuts. Remove speedometer.

GAUGES

1965-72

3 Cylinder Models — Disconnect electrical leads, remove retaining clip(s) and carefully maneuver gauge from housing.

4 Cylinder Models — Gauges can be removed after first removing instrument cluster.

V4 Models — Disconnect electrical leads, remove retaining clips, and pull gauge from mounting.

STOP LIGHT SWITCH

1965-72

3 Cylinder Models — Between 1965-67 all models used a hydraulic type switch mounted in engine compartment adjacent to master cylinder. In 1968 all models began the use of mechanical type stop light switches. Location of switch was changed to a bracket on brake pedal.

4 Cylinder Models — Mechanical type switch located on brake pedal.

V4 Models — Mechanical type switch mounted on a bracket on brake pedal.

TURN SIGNAL FLASHER

1965-72

3 Cylinder Models — Located under dash on left side of steering column.

4 Cylinder Models — Located under dash on left side of steering column.

SIMCA

INSTRUMENT CLUSTER

1963

Rush & Rush Super — Disconnect battery and speedometer drive cable. Remove four Phillips head screws securing instrument cluster. Carefully pull cluster assembly outward and remove wires from instrument terminals. To install, reverse removal procedure.

SPEEDOMETER & GAUGES

1963-70

Cluster must be removed to service speedometer or gauges.

TURN SIGNAL FLASHER

1963-70

Rush & Rush Super — Turn signal flasher is intergrated with combination switch.

1000 & 1118 — Located under instrument panel near steering column support.

1204 — Located on partition of air duct under hood.

IGNITION SWITCH

1963-70

Rush & Rush Super — Switch is located in instrument panel. To remove, first disconnect battery. From under dash panel, remove lock retainer clip. Disconnect wires from switch and remove switch assembly. To install, reverse removal procedure.

1000, 1118 & 1204 — Switch is located on side of steering column. On all 1970 1204 models switch is incorporated in ignition switch lock. All other models may have lock incorporated as an option. Nonlocking switches are removed conventionally. Locking switches procedure not available.

STOP LIGHT SWITCH

1963-70

All models use a hydraulic type switch mounted on brake master cylinder.

SIMCA (Cont.)

COMBINATION SWITCH

1963

Rush & Rush Super — Switch contains light switch, windshield wiper switch, turn signal and horn control switch.

Disconnect battery ground cable. From under instrument panel, disconnect three multiple wire connectors at lower end of steering column housing. Remove steering wheel ornament, nut, steering wheel, spring and thrust plate. Lift combination switch from upper column housing. Disconnect wires and remove switch. To install, reverse procedure and torque steering wheel nut to 40-45 ft. lbs. (5.5-6.2 mkg).

SUBARU

INSTRUMENT CLUSTER

1971

Disconnect speedometer cable and wiring harness plug. Release springs holding cluster and lift out. To install, reverse removal procedure.

1972

1) Remove radio knobs and nuts. Remove ash tray, then remove bolt in ash tray opening. Remove lighting and wiper switch knobs and nuts, heater shutter control knobs, heater control knobs, and hanger spring for speedometer cable.

2) Disconnect speedometer cable and wiring harness plug from back of cluster. Disconnect wiring to cigar lighter (if equipped). Remove cluster from instrument panel. To install, reverse removal procedure.

HAZARD WARNING & TURN SIGNAL FLASHER

1971-72

Units are located behind instrument panel on right side.

STOP LIGHT SWITCH

1971-72

Switch is mechanical and located on brake pedal. To adjust proceed as follows: Adjust switch so there is .3-.5" (.8-.12 mm) of free travel before switch turns brake lights on.

TEMPERATURE SWITCH

1971-72

Switch is located on upper side of sub-radiator. Switch closes when radiator temperature reaches 198°F and opens at 190°F. Switch controls fan motor for sub-radiator.

SPEEDOMETER & GAUGES

1971-72

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

BACK-UP LIGHT SWITCH

1971-72

Located at upper end of gear shift rod for column shift models and in transmission rear cover for floor shift models.

TOYOTA

INSTRUMENT CLUSTER

1965-72

Celica — Disconnect battery, remove glove compartment and lower pad, lower steering column. Remove rear radio mounting screws, disconnect heater cable. Remove cluster housing screws and draw out to rear. Disconnect speedometer cable and wiring harness, remove cluster housing.

Corolla — Disconnect battery and speedometer cable, remove instrument panel center and right mouldings. Remove screw securing instrument cluster and instrument panel moulding retainer. Remove two nuts holding instrument cluster from behind panel. Pull instrument cluster out slightly and disconnect wiring harness. Remove instrument cluster.

Corona — Disconnect battery, remove bolts from fuse block. Disconnect wiring harnesses. Remove bolts securing parking

brake. Remove speedometer trip meter knob. Remove screws on combination meter, clock and tachometer and speedometer. Disconnect speedometer cable. Remove meters.

Crown — Disconnect battery and remove heater control wires. Remove speedometer drive cable and overdrive control cable (if equipped). If radio equipped, remove installation bolts. Remove steering column cover and column clamp, push down steering column. Remove ten instrument cluster housing to instrument panel attaching screws and draw cluster out of panel.

Land Cruiser — To remove, disconnect battery and speedometer drive cable. Remove steering column clamp (FJ 55). Pull out cluster and remove all wiring. Remove back cover plates to expose back of gauges (FJ 40). To install, reverse removal procedure.

CAUTION — Do not scratch meter lens. Cover lens with tape or shop towel.

TOYOTA (Cont.)

INSTRUMENT CLUSTER (Cont.)

1973

Carina & Celica — Lower steering column, remove glove compartment and lower pad. Loosen screws securing radio and disconnect heater cable at heater. Loosen cluster mounting screws and pull out cluster. Disconnect speedometer cable and wiring and remove cluster.

Corolla — Disconnect battery and speedometer cable. Remove instrument panel center and right mouldings. Remove cluster securing screw and two nuts behind cluster. Slowly pull out instrument cluster and disconnect wiring.

Corona Mark II — 1) Remove steering column housing, heater and radio knobs. Loosen heater control illumination light and pull out slightly. Remove the nine screws securing cluster housing.

2) Push up and out on safety pad and pull out cluster housing slightly. Remove heater light from cluster housing and remove housing toward the left.

3) Remove right and left hand instrument panel lower trim and ashtray. Remove meter control panel and side ventilator mounting screws. Remove radio and heater control wire mounting bracket bolts.

4) Remove six instrument cluster mounting bolts, pull out cluster slightly and disconnect wiring and speedometer cable. Remove cluster.

Hi-Lux — Loosen steering column clamp bolts. Remove three screws securing cluster. Pull out cluster slightly and disconnect speedometer cable and wiring. Remove cluster.

Land Cruiser — Disconnect speedometer cable and remove cluster attaching screws. On FJ 55 (Station Wagon) models only, remove steering column clamp attaching bolts. Pull out cluster, disconnect wiring and remove cluster.

SPEEDOMETER & GAUGES

1965-72

Speedometer and all gauges may be removed after instrument cluster is removed.

1973

All, Exc. Corona Models — Speedometer and all gauges may be removed after instrument cluster is removed.

Corona Models — All instruments may be removed individually as follows after disconnecting battery:

1) When removing speedometer or combination meter, remove fuse block bracket mounting bolts. When removing speedometer, clock or tachometer, remove parking brake mounting bracket.

2) Each instrument may now be removed individually by removing securing screws and disconnecting wiring and speedometer cable.

TURN SIGNAL FLASHER

1965-72

Crown — Located under dash near fuse block.

Hi-Lux — Located under dash on left side.

Land Cruiser — Located behind instrument panel near fuse block.

1973

Carina, Celica & Corona — Mounted under right side of dash.

Corolla & Corona Mk II — Located on fuse block mounting bracket.

Hi-Lux & Land Cruiser — Located behind instrument cluster.

TURN SIGNAL & EMERGENCY WARNING FLASHER

1965-72

Celica, Corona & Corona Mk II — Flasher located under dash on left side.

Land Cruiser (FJ 55) — Located in instrument panel.

IGNITION SWITCH

1965-72

Crown & Land Cruiser — Remove fuse block bracket (Crown), then unscrew switch bezel, and pull switch out from rear of panel.

1973

Carina, Celica, Corona & Corolla — Remove upper and lower steering column covers. Set ignition key to "ACC" position and while pushing lock pin, remove key cylinder. Disconnect wiring and remove switch. Steering column lock may be removed using a screw extractor.

Hi-Lux & Corona Mark II — Disconnect battery and remove steering column cover. Disconnect wiring, remove switch mounting screw and remove switch.

Land Cruiser — Disconnect wiring and remove switch bezel using suitable wrench (09802-12010).

HEADLIGHT SWITCH

1965-72

4 Cylinder Models — Remove fuse bracket if position interferes with removal of switch. Use suitable switch lock nut wrench to remove bezel type nut. Disconnect wiring and remove switch.

Land Cruiser (FJ 40) — Remove screw from knob and remove knob from switch. Detach switch retaining ring by rotating it counterclockwise. Remove switch from back of instrument panel and disconnect wires.