

## SAAB

**CAUTION** — Disconnect battery positive cable prior to removal of instrument cluster.

### INSTRUMENT CLUSTER

**99 Models** — Remove safety padding. Remove 4 self-tapping screws. Disconnect speedometer cable and wiring. Remove bulb holders. Lift out instrument cluster.

**900 Models** — Remove steering wheel. Remove 4 switch panel screws and properly mark location for reinstallation. Tilt switch panel back out of way. Remove left speaker and defroster

grill. Reach behind instrument cluster and disconnect electrical connections and speedometer cable. Remove cluster retaining screws and remove cluster assembly.

### SPEEDOMETER & GAUGES

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

### TURN SIGNAL FLASHER

Located under instrument panel on left hand side of steering column.

## SUBARU

**CAUTION** — Disconnect battery ground cable prior to removal of instrument cluster.

### INSTRUMENT CLUSTER

**Dual Meter** — Remove trim panel, then remove 5 cluster retaining screws. Partially pull out cluster, disconnect speedometer cable and all electrical connections. Remove instrument cluster.

**Triple Meter** — Remove 7 cluster retaining screws. Remove plug and attaching screw from under lighting switch. Remove passing light switch (if equipped). Remove ventilation knob.

Remove center vent cover and left vent cover. Remove screws and disconnect electrical wiring from all switches. Disconnect speedometer cable and pull out instrument cluster.

### SPEEDOMETER & GAUGES

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

### HAZARD WARNING & TURN SIGNAL FLASHER

Located under instrument panel.

## TOYOTA

**CAUTION** — Disconnect battery ground cable prior to removal of instrument cluster.

### INSTRUMENT CLUSTER

**NOTE** — Removal procedures are similar for all models, however all steps may not apply to each model.

Loosen instrument cluster trim panel screws. Remove radio and heater control knobs (if required) and remove trim panel. Loosen steering column clamp bolts (if required). Remove screws, bolts or nuts mounting cluster to instrument panel. Dis-

connect speedometer cable and all wiring connectors. Remove instrument cluster.

### SPEEDOMETER & GAUGES

Speedometer and all gauges may be removed after removal of cluster.

### HAZARD WARNING & TURN SIGNAL FLASHER

Mounted near steering column, behind instrument panel center.

## TRIUMPH

**CAUTION** — Disconnect battery ground cable prior to removal of instrument cluster.

### INSTRUMENT CLUSTER

**Spitfire** — Disconnect battery and remove heater control knobs. Remove four screws and cup washers and lower cluster. Remove bulb holders, disconnect wiring and remove cluster.

**TR7 & TR8** — Remove radio speaker grille and top instrument panel trim pad. Remove steering column shrouds, loosen odometer reset knob and remove knob with cable. Loosen clock reset knob and remove with cable. Disconnect

speedometer cable, remove retaining screws and pull out instrument cluster slightly. Disconnect all wiring connectors and remove cluster.

### TACHOMETER

Tachometer may be removed after removing instrument cluster.

### SPEEDOMETER

**Spitfire** — Disconnect battery. Lower center dash, remove tachometer and depress lever releasing catch from annular

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**TRIUMPH (Cont.)**

groove in the boss. Detach speedometer cable, unscrew trip reset and remove two knurled nuts. Disconnect two connectors, bulb holders and remove speedometer.

**TR7 & TR8** – Speedometer may be removed after removing instrument cluster.

**GAUGES**

All gauges may be removed after removing instrument cluster.

**HAZARD WARNING & TURN SIGNAL FLASHER**

**Spitfire** – Separate units are mounted under dash and held in position by spring clips.

**TR7 & TR8** – Separate turn signal and hazard units are mounted behind lower panel at rear of glove box. To gain access, open glove box and remove cover panel.

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**VOLKSWAGEN**

**CAUTION** – Disconnect battery ground cable prior to removal of instrument cluster.

**INSTRUMENT CLUSTER**

**All Others** – Remove trim plate for fresh air control and remove radio or dash plate. Disconnect speedometer cable and wiring. Remove retaining screw on right side of cluster, switches and bulb holders. Remove cluster.

**Dasher** – Remove radio (if equipped) or shelf. Remove fresh air control and fan knobs. Remove fresh air control trim panel. Remove 6 retaining screws. Disconnect and remove light switch, hazard switch and rear window defogger switch. Disconnect fresh air fan electrical connection. Remove cluster

cover. Remove cluster screws, detach speedometer cable and electrical connections. Remove cluster.

**Vanagon** – Grasp rear of cluster cover with fingers, pull up on cover and remove. Push hazard warning switch and brake warning light housing forward. Remove 4 cluster retaining screws. Disconnect speedometer cable and wiring connectors. Remove cluster.

**SPEEDOMETER**

**All Models** – Speedometer can be removed after removing instrument cluster and speedometer retaining screws.

**HAZARD WARNING & TURN SIGNAL FLASHER**

**All Models** – Flasher is a plug-in unit on fuse block.

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**VOLVO**

**CAUTION** – Disconnect battery ground cable prior to removal of instrument cluster.

**INSTRUMENT CLUSTER**

**All Models** – Remove steering column shrouds. Loosen bracket screw and allow bracket to drop down steering column. Remove instrument cluster mounting screws. Disconnect speedometer cable. Press upward on back of speedometer until snap lock on upper edge releases. Lift cluster forward and disconnect wiring. Disconnect tachometer and remove cluster.

**SPEEDOMETER & GAUGES**

**All Models** – Speedometer and all gauges can be removed after removing instrument cluster.

**HAZARD WARNING & TURN SIGNAL FLASHER**

**DL, GL, GT** – Flasher is mounted behind left kick panel.

**Coupe, GLE, Diesel** – Flasher is mounted behind instrument cluster.