

3-54 Switches, Gauges & Instrument Panels

BMW (Cont.)

633CSi — Disconnect negative (–) battery cable and remove steering wheel. Detach lower center instrument panel trim and remove mask from inquiry unit. Detach printed circuit board leaving wiring attached. Remove light and fog light switch, and disconnect wiring at back of switch. Remove left air control knob and cover. Loosen screws on instrument cluster, steering wheel control base and disconnect speedometer cable. Press down on instrument cluster upper section and steering column far enough to allow removal of instrument cluster at an angle.

733i — Loosen screws at bottom left and under steering column attaching trim panel to instrument panel. Detach trim at tray and disconnect window control cutout wires. Remove 3

screws beneath upper instrument panel trim. Loosen steering column control and pull wheel all the way out. Tip cluster back, disconnect all plugs and wires, then remove cluster by turning out to right rear.

SPEEDOMETER & GAUGES

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

STOP LIGHT SWITCH

Mechanical type switch mounted on brake pedal bracket. Adjust switch so that .20-.24" (5-6mm) of contact button is extended when brake pedal is fully back.

CAPRI

INSTRUMENT CLUSTER

1) Disconnect battery ground cable and remove lower steering column shroud. Release clip securing upper steering column shroud. Remove ashtray.

2) Remove hazard flasher switch and disconnect wiring. Remove turn signal switch and allow it to hang on wiring. Remove screws securing lower dash trim panel and pull trim panel forward and down. Disconnect wiring to clock and cigarette lighter and remove trim panel.

3) Pull off instrument panel light control knob. Remove lower screws securing instrument cluster, pull cluster downward and disconnect seat belt warning light wiring and oil pressure line union. Remove screws securing cluster to panel and disconnect speedometer cable and wiring. Remove cluster.

SPEEDOMETER & GAUGES

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

HAZARD WARNING & TURN SIGNAL FLASHER

Combination flasher is located to the left of the steering column beneath instrument panel. Unit is secured by clamp with a single screw and connected by a plug type mechanical connector.

STOP LIGHT SWITCH

Mechanical type mounted on bracket at brake pedal lever.

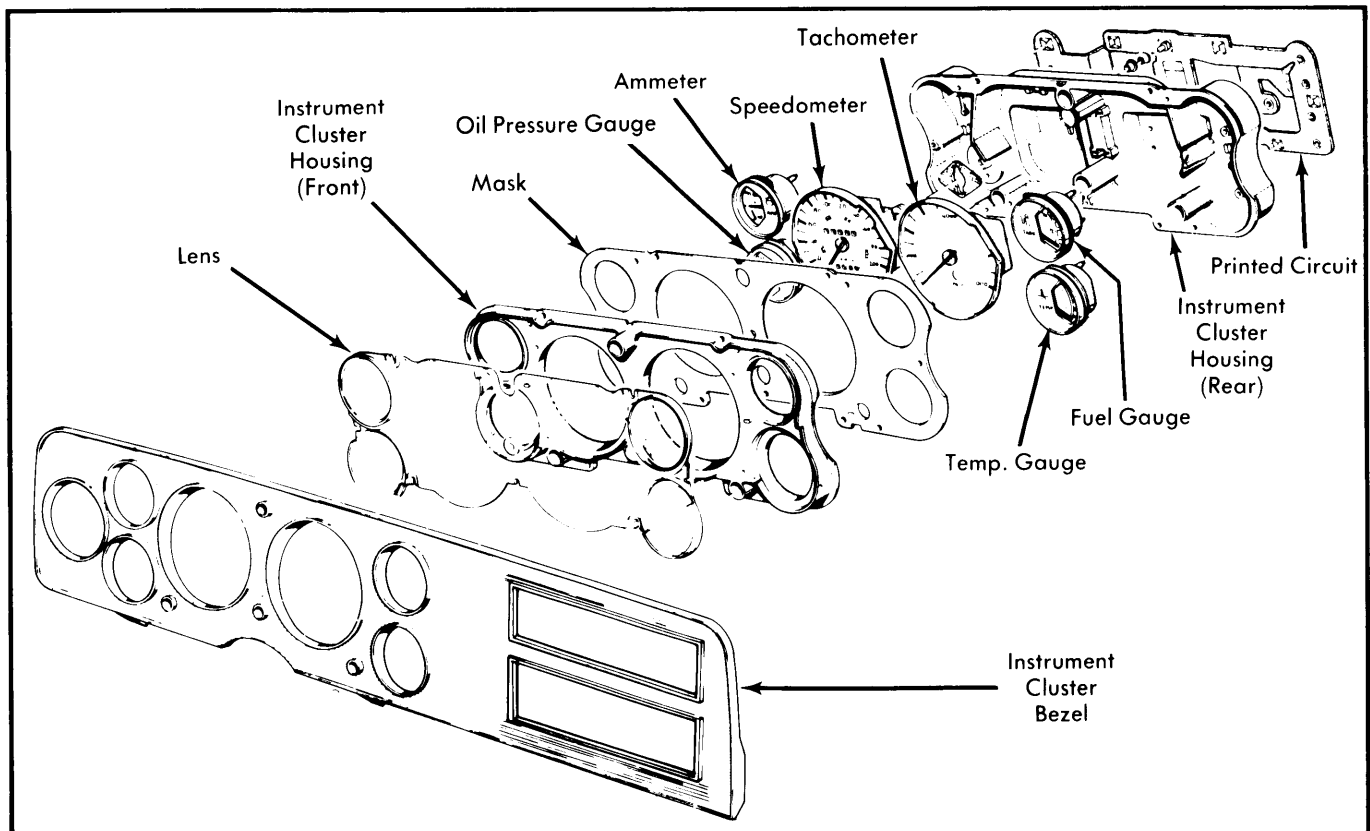


Fig. 2 Capri Instrument Cluster

Switches, Gauges & Instrument Panels 3-55

CHALLENGER & SAPPORO

INSTRUMENT CLUSTER

To remove instrument cluster, remove ash tray bracket and panel just under column cover. Remove lenses as illustrated, then disconnect speedometer cable. Remove mounting screws, disconnect all connections and remove instrument cluster.

To further disassemble, remove all indicator lights, bezel and lens. Remove attaching nuts of speedometer, fuel gauge, temperature gauge, tachometer and ammeter. Remove as required.

CAUTION — Handle cluster with care to avoid damaging printed circuit board. Do not overtighten nuts when reassembling.

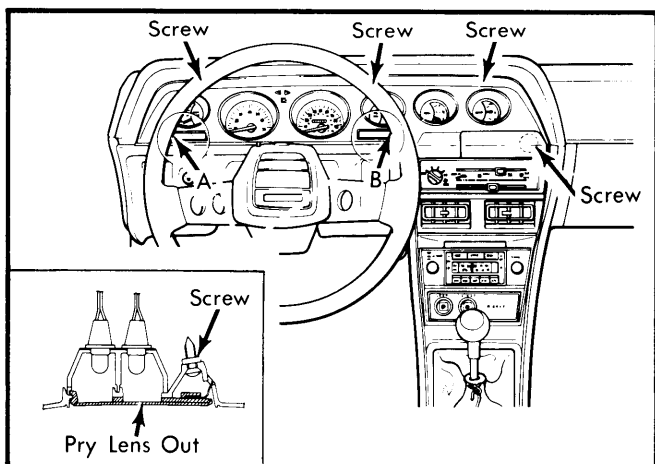


Fig. 3 Challenger/Sapporo Instrument Cluster

HAZARD WARNING & TURN SIGNAL FLASHERS

Separate hazard warning and turn signal flasher units are mounted below instrument panel on driver's side with a single screw.

STOP LIGHT SWITCH

Mechanical type stop light switch is mounted under instrument panel to left of steering column. Spring loaded push rod contacts brake lever linkage and closes circuit when brake pedal is depressed.

NEUTRAL SAFETY (INHIBITOR) SWITCH

NOTE — If inhibitor switch does not operate properly after installation of console and selector lever, it will be necessary to readjust location of the switch.

Switch is located under console box on cars with automatic transmission. Provides for starting with selector lever in "Park" or "N" position only, and completes backup light circuit in "R" position. If removal required, console box must be removed first with selector lever in "L" position. Disconnect control rod and remove selector lever assembly from car. Disconnect handle from lever, loosen indicator panel screw, then draw out panel, slider, and light holder. Remove switch and check for starter circuit continuity in park and neutral positions, backup light circuit continuity in reverse position only. Assure that switch and selector positions line up when in "N" position during reinstallation.

COLT

INSTRUMENT CLUSTER

Coupe and Sedan

To remove instrument cluster, pull out air intake control knob, ash tray, and heater control knobs. Remove radio tuning knob and 2 ring nuts. Remove 8 attaching screws from around panel and pull panel out far enough to disconnect speedometer, radio, and electrical connections. Remove instrument cluster. To install, reverse removal procedure using caution not to overtighten mounting screws.

Station Wagon

Remove instrument panel od by lifting at an angle, using caution to prevent catching and bending clock and odometer connections. Disconnect speedometer cable and all gauge connections. Remove peripheral mounting screws and lift cluster away from instrument panel. Further disassembly requires removal of clock knob and instrument cluster glass.

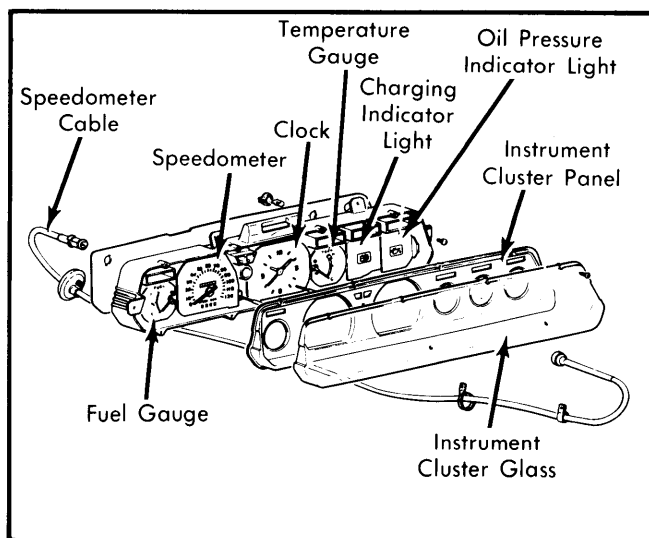


Fig. 4 Colt Instrument Cluster (Station Wagon Shown)