

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.

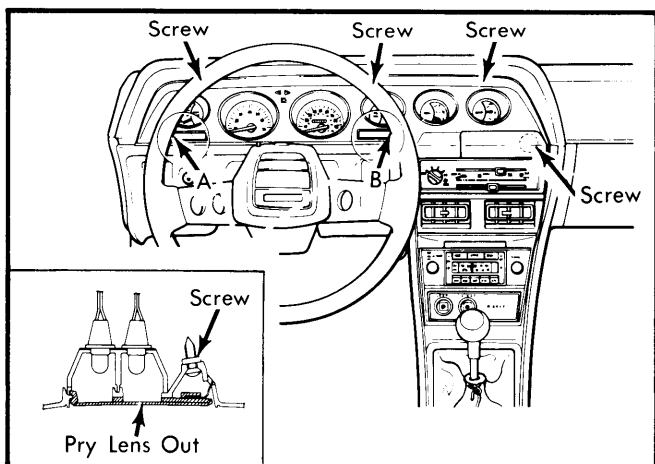


Fig. 3 Challenger/Sapporo Instrument Cluster

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.

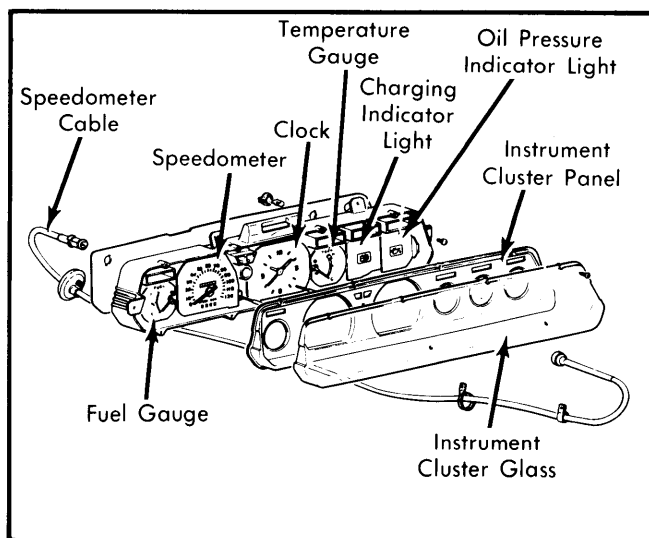


Fig. 4 Colt Instrument Cluster (Station Wagon Shown)

3-56 Switches, Gauges & Instrument Panels

COLT (Cont.)

SPEEDOMETER & GAUGES

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

HAZARD WARNING & TURN SIGNAL FLASHER

Located at lower center of instrument panel. A separate flasher is used for hazard warning and turn signals.

STOP LIGHT SWITCH

Mechanical type, mounted on brace above brake pedal. Switch also serves as a brake pedal free travel adjustment screw.

NEUTRAL SAFETY 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.

COURIER

INSTRUMENT CLUSTER

Disconnect battery ground cable. Remove four screws securing cluster to instrument panel. Pull cluster out sufficiently to gain access and disconnect speedometer cable and wiring. Remove cluster from vehicle.

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 multiple connector type plug.

STOP LIGHT SWITCH

Mechanical type mounted on bracket at top of brake pedal.

DATSUN

INSTRUMENT CLUSTER

200SX — 1) Disconnect battery ground cable. Remove steering wheel and shell cover. Remove all knobs and nuts.

2) Remove upper and lower screws from instrument cluster. Pull cluster forward and disconnect wiring connectors, speedometer cable and remove rear window defogger switch. Remove instrument cluster.

B210 — 1) Disconnect battery ground cable and remove shell covers. **NOTE** — To facilitate removal of cluster, remove steering wheel and turn signal switch. Pull out ashtray and remove ashtray cover. Remove switch knobs and retaining rings.

2) Remove radio knobs and retaining knobs, if equipped. Remove nine screws securing cluster cover to dash (four on upper side, three under cover, one at ash tray outer case and one in glove box). Pull cluster cover out slightly and disconnect wiring. Remove cluster cover.

3) Remove four instrument cluster retaining screws and pull cluster out slightly. Disconnect wiring and speedometer cable. Remove instrument cluster assembly.

F-10 — Disconnect battery ground cable, then remove knobs and nuts from switches and radio controls. Remove ash tray, cover and meter retaining screws. Disconnect speedometer cable and electrical connections. Cluster may be removed by pulling out toward steering wheel.

510 — 1) Disconnect battery ground cable, remove steering column covers and disconnect hazard warning switch connector. Pull out ash tray and heater control knobs. Remove wiper control switch. Remove heater trim panel by inserting screwdriver in fan lever slot, then pulling panel out. Remove radio knobs, nuts and washers.

2) Remove choke and defroster control knobs. Remove small rectangular trim finisher at right center of cluster lid. Remove 9 screws securing left half of cluster lid, then disconnect the following wire harness connectors: Center lighting, cigarette lighter, rear defogger switch, clock, and turn signal switch.

3) Remove cluster lid, then remove retaining screws holding instrument cluster in place. Disconnect speedometer cable and remaining electrical connectors. Remove instrument 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.

810 — 1) Disconnect battery ground cable. Remove knobs and nuts on radio switch and choke control wire. Remove ash tray.

2) Remove screws and shell covers from steering column. Disconnect main harness connectors, screws retaining cluster and remove instrument cluster.