

AUDI

INSTRUMENT CLUSTER

Audi Fox — Disconnect battery ground cable and remove lower instrument panel trim. Disconnect speedometer shaft at speedometer and multiple plug at back of cluster. Disconnect left and right mounting springs using suitable long nose pliers. Remove cluster by pulling it forward.

Audi 5000 — Disconnect battery ground cable. Loosen screws at bottom and side of instrument panel trim, remove trim at top first, then at bottom. Loosen cluster mounting screws, detach speedometer cable and multi-point connector. Carefully pull cluster assembly straight out.

SPEEDOMETER, CLOCK & GAUGES

Speedometer, clock and all gauges may be removed after first removing instrument cluster from panel.

HAZARD WARNING & TURN SIGNAL FLASHER

Audi Fox — Single plug-in type unit mounted on fuse block. Connectors can be installed in one position only. Be sure that flasher connector blades are properly positioned and indexed with receptacle sockets when installing.

Audi 5000 — Flasher unit fits in bracket behind instrument panel near multi-point connector. Plug in connector attaches to unit.

STOP LIGHT SWITCH

Stop light switch is hydraulically operated by fluid pressure and is attached to brake master cylinder. Models with cruise control have 3 terminals, others use 2 terminals.

BMW

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

INSTRUMENT CLUSTER

320i — Remove steering wheel. Detach lower center instrument panel trim and disconnect speedometer cable. Unscrew knurled nut at base of instrument cluster and pull out instrument cluster. Disconnect wiring at connector.

528i — Remove steering wheel. Detach instrument panel trim at lower left corner. Unscrew speedometer shaft and retain felt washer between upper and lower sections. Loosen knurled nut under instrument panel and pull cluster out far enough to disconnect multiple plugs at either side. Disconnect remaining wires and remove instrument cluster.

633CSi — 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; 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" (5-6 mm) of contact button is extended when brake pedal is fully back.

CHRYSLER CORP. IMPORTS

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

INSTRUMENT CLUSTER

Arrow & Colt Coupe & Sedan — Pull out air intake control knob, ashtray and heater control knobs. Remove radio (AM/FM) tuning knob and 2 ring nuts. (AM radio is removed with cluster). Remove 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 attaching screws.

Challenger & Sapporo — Remove ash tray bracket and panel just above column cover. Remove lenses as illustrated, then detach 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.

Colt Station Wagon — Remove instrument panel hood by lifting at an angle, using caution to prevent catching and bending clock and odometer knobs. 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.

3-50 Switches, Gauges & Instrument Panels

CHRYSLER CORP. IMPORTS (Cont.)

Pickups — Pull out heater fan switch knob, heater control knobs and ashtray. Remove radio tuning knobs and ring nuts (if equipped). Remove attaching screws and pull out instrument cluster bezel; disconnect cigarette lighter connection. Remove meter case attaching screws, pull cluster out far enough to disconnect speedometer and electrical connections.

Champ & Colt (Front-Wheel Drive) — Remove instrument panel hood attaching screws. Remove corner panels. Pull out hood connector and push claw to release connector. Remove hood and instrument panel. Disconnect speedometer and electrical connections.

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 con-

tacts 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.

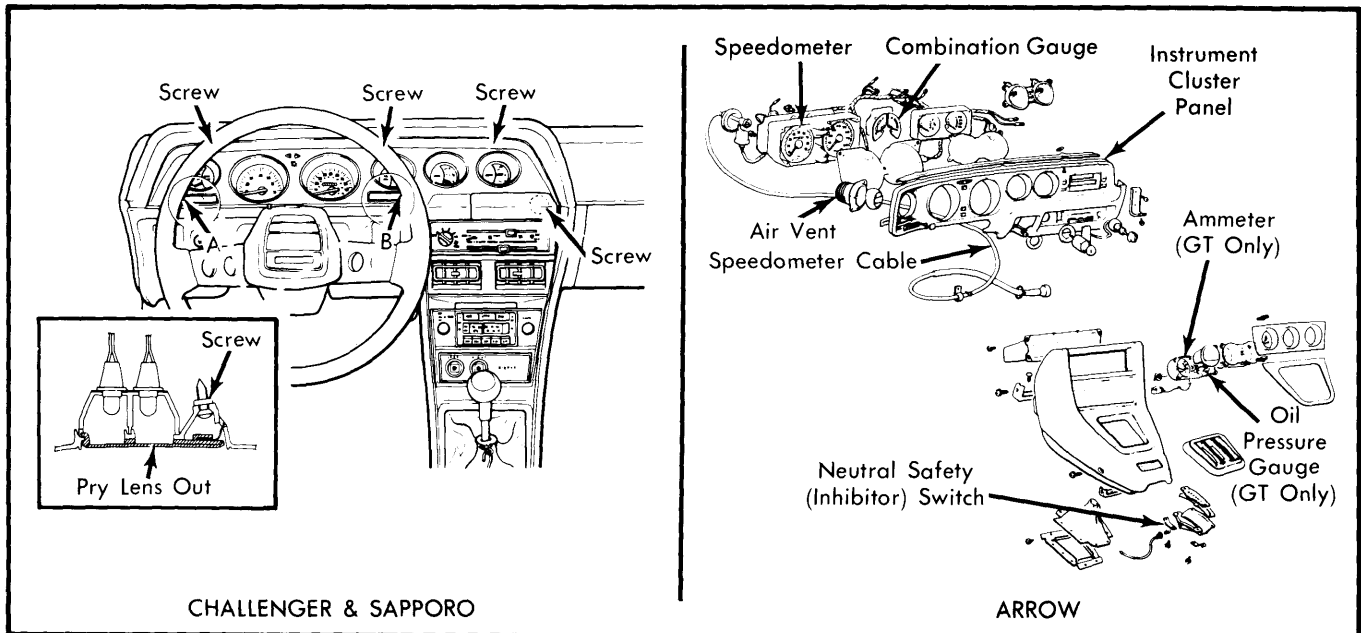


Fig. 1 Chrysler Corp. Import Instrument Cluster Arrangements

COURIER

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

INSTRUMENT CLUSTER

Remove meter hood. Remove 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.