

## DATSUN

### INSTRUMENT CLUSTER

1968-70

**1600 & 2000 Roadster** — All instruments and gauges can be removed individually. Remove attaching screws or nuts and remove individual unit.

1968-72

**510 Series & 521 Pickup** — Disconnect speedometer cable and combination gauge attaching screws; then pull gauge outward. Lights and gauges can now be removed as necessary.

1971-73

**1200 Series** — 1) Disconnect battery and remove knobs and switches from instrument housing. Remove cluster shield. Disconnect cigar lighter wire and unscrew lighter outer case from back of cluster panel.

2) Remove shell cover from steering tube, loosen instrument housing screws and pull cluster out for access to rear of cluster assembly. Disconnect 12-pole electrical connector and speedometer cable. Remove gauge cluster from instrument housing.

1973

**510 & 610 Series** — Remove speedometer cable and disconnect wiring from cluster. Remove screws and lift off cluster cover. Remove cluster retaining screws and remove cluster.

**521 Pickup** — 1) Disconnect battery ground cable. Remove three screws retaining cluster to instrument panel. From beneath panel remove screw securing cluster to dash. Withdraw cluster slightly to gain access.

2) From behind cluster, disconnect speedometer cable and wiring. Remove four screws securing cluster cover to cluster and remove cluster assembly.

### INSTRUMENT CLUSTER

1967-72

Disconnect steering column from instrument panel and allow wheel to rest in seat. Remove panel lining screws and lining.

### INSTRUMENT CLUSTER

1971

**Standard Trim** — Disconnect wiring connector from combination meter and speedometer cable. Remove three console screws. *NOTE* — Left screw cannot be removed on some models unless windshield wiper switch is removed first.

### SPEEDOMETER & GAUGES

1970-72

**6 Cylinder Models** — To remove speedometer, first remove heater air duct and loosen wing nuts on back of speedometer; lift speedometer from dash. After removing console cover reach through hole and loosen screws holding ammeter and fuel gauges or screws mounting water temperature and oil pressure gauges. Gauges are then loose and connection can be freed. *NOTE* — Gauges are mounted in console while speedometer is in instrument panel.

1973

**4 Cylinder** — Speedometer and all gauges may be removed after first removing instrument cluster.

**6 Cylinder** — Speedometer, tachometer and all gauges are removed individually from instrument panel. All units are secured at back with wing nuts. To remove center gauges, first remove center console trim.

### IGNITION SWITCH

1973

**All Models** — To remove ignition switch, drill out old shear bolts and remove switch. When reinstalling switch, use new shear bolts.

### TURN SIGNAL FLASHER & KEY WARNING BUZZER

1970-72

**6 Cylinder Models** — Turn signal flasher is located in engine compartment near key warning buzzer. Buzzer is attached to steering support bracket.

## FIAT

Disconnect speedometer cable and connectors. Remove instrument panel mounting nuts and slide cluster away from panel lining.

## HONDA

Disconnect heater/defroster selector cable at valve end. Slide console assembly out approximately 1". Separate console from instrument panel and lift out.

**Deluxe Trim** — Disconnect all electrical leads and unbolt steering column assembly from bracket. Disconnect and plug windshield wiper washer lines. Disengage choke cable at carburetor end and push cable into passenger compartment. Remove six screws and withdraw instrument panel.

## HONDA (Cont.)

## INSTRUMENT CLUSTER (Cont.)

1972

1) Remove center panel and choke assembly. Remove steering shaft hanger retaining bolts and lower steering column to floor. Extract light switch knob, ring nut and panel cover. Remove instrument panel retaining screws and pull panel outward. Disconnect speedometer and tachometer drive cables. *NOTE — Do not lose bushings in instrument drive cables.*

2) Disconnect wire harness from lighting switch, brake trouble warning light, turn signal pilot light, high beam indicator light, fuel gauge, speedometer and tachometer. Individual gauges may now be removed as necessary. To install, reverse removal procedure.

1973

Disconnect battery ground cable and remove three cluster mounting wing nuts from rear of cluster. Disconnect

speedometer and tachometer (if equipped) drive cables from engine. Pull cluster away from panel and disconnect wiring, speedometer and tachometer (if equipped) drive cables from cluster. Remove cluster.

## SPEEDOMETER, TACHOMETER &amp; GAUGES

1973

Speedometer, tachometer (if equipped) and all other gauges may be removed after first removing instrument cluster.

## STOP LIGHT SWITCH

1973

Mechanical type mounted on brake pedal bracket. Switch also serves as brake pedal stop. Adjust switch to give .039-.196" (1-5 mm) freeplay at center of brake pedal.

## JAGUAR

## INSTRUMENT CLUSTER

1963-72

**6 Cylinder Models** — Disconnect battery and remove ignition key and cigar lighter for safe keeping. Hinge center instrument panel downward after removing screws located in each top corner. If air conditioning is installed, it will be necessary to slide sub-panel forward before instrument panel can be lowered. Loosen two knurled nuts to release sub-panel. To install, reverse removal procedure.

1973

**Sedan Models** — Disconnect battery. Remove two knurled screws and hinge down instrument cluster. Disconnect voltage stabilizer and wiring, remove four setscrews and remove cluster. Individual instruments may now be removed from cluster.

**XKE Models** — Disconnect battery. Remove both left and right hand parcel trays. Remove dash liner and two knurled screws. Hinge down instrument cluster. Disconnect wiring and remove pivot screws. Remove cluster. Individual instruments may now be removed from cluster.

## SPEEDOMETER &amp; TACHOMETER

1973

Speedometer and tachometer may be removed by disconnect wiring and speedometer drive cable and releasing securing clamps.

## SPEEDOMETER

1963-72

**6 Cylinder Models** — To remove, disconnect battery. Raise steering column to highest position. Detach speedometer from dash by removing two knurled nuts, ground lead and two retaining pieces. Remove drive cable. Remove speedometer

from dash and disconnect wiring. Unscrew knurled nut and withdraw odometer setting control. To install, reverse removal procedure.

## TACHOMETER

1963-72

**6 Cylinder Models With Integrated Clock** — To remove, disconnect battery. Detach tachometer from dash by removing two knurled nuts, ground lead, and two retaining clips. Remove tachometer from dash and disconnect wiring. Detach flexible clock setting drive by loosening knurled sleeve nut. Remove clock from tachometer by removing two nuts. To install, reverse removal procedure.

**6 Cylinder Models Without Integrated Clock** — To remove, disconnect battery. Remove two knurled nuts, ground lead and retaining clips. Withdraw tachometer from instrument panel and remove illumination bulb holders. Disconnect plug and socket as follows: Pinch together prongs of plastic retainer clip and withdraw plug and socket assembly. To install, reverse removal procedure.

*NOTE — Do not detach green and white cable connected to plug from tachometer.*

## HAZARD WARNING &amp; TURN SIGNAL FLASHER

1973

Two separate flashers are used and are located under center of instrument panel.

## TURN SIGNAL FLASHER

1962-72

On all models, flasher is located behind center instrument cluster and may be serviced after cluster is removed.