

JEEP CORP.

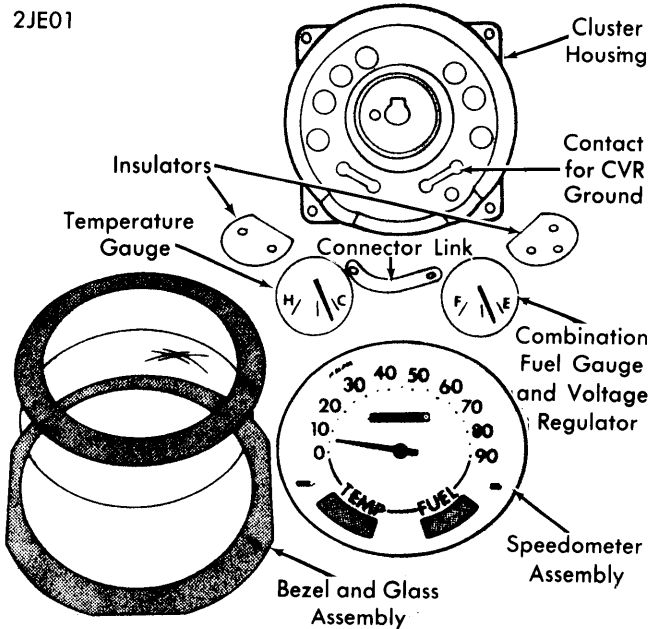
Jeep, All Models (1965-74)

SPEEDOMETER & GAUGES

All Models (1965-74) – Speedometer and gauges can be removed after instrument cluster is removed.

INSTRUMENT CLUSTER

CJ & DJ (1965-71) – Instrument cluster contains speedometer, fuel and temperature gauges, plus oil pressure and battery charge indicators. Cluster can be removed by detaching four mounting bolts on rear of cluster securing to dash. Cluster can be pulled forward and out after detaching speedometer cable and circuit wiring.

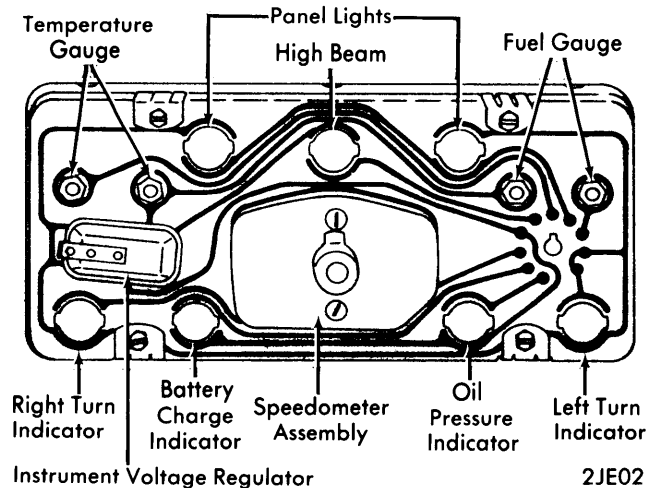


INSTRUMENT CLUSTER ASSEMBLY, CJ-5/CJ-6 (TYPICAL)

CJ & DJ (1972-74) – Instrument cluster is composed of speedometer housing, panel lights, high beam indicator, turn signal indicators, alternator and oil pressure warning lights, temperature gauge, and combination fuel gauge and constant voltage regulator (CVR). To remove cluster, disconnect one battery cable, disconnect speedometer cable and remove two attaching screws allowing heater control bracket to drop down. Remove four attaching nuts and pull cluster off mounting studs. Disconnect all necessary gauge wiring and lights and remove cluster assembly. To reinstall, reverse removal procedure. In event the connector link (between CVR and temperature gauge) has to be replaced, make suitable connector out of 16 gauge or larger insulated wire.

Jeepster (1967-71) – To remove, disconnect speedometer cable and single electrical plug. Compress retainer springs and slide cluster forward from dash panel. Use care in removing glass frame held to cluster case by clips. Pry up clips and carefully pry frame off case. To remove fuel gauge, temperature gauge and speedometer, remove locknuts on rear of panel and remove desired gauge from front. To install, reverse removal steps.

Commando, Wagoneer, J-2000 & J-4000 (1971-73) – Cluster is retained in panel by four spring clips. To remove, disconnect battery, disconnect speedometer cable, and pull cluster pin terminal plug straight away from cluster. Remove lower spring clip attaching screws and depress upper spring clips toward cluster and disengage barbs, push cluster away from dash to remove. To reinstall, attach the two lower spring clips and insert cluster into panel until all spring clips snap into place.



REAR VIEW OF INSTRUMENT CLUSTER – COMMANDO, WAGONEER & "J" SERIES (TYPICAL 1965-74)

Cherokee, Wagoneer, J-10 & J-20 (1974) – Disconnect battery and remove six cluster retaining screws, disconnect speedometer cable and pull cluster pin terminal plug straight away from cluster, disconnect four terminal plugs, fan switch connector plug, and disconnect vacuum hoses from heater control. Remove two heater control panel lights and disconnect temperature control wire from lever, then remove cluster assembly. To reinstall, reverse removal procedure.

PRINTED CIRCUITS

All "J" Models, Commando, Cherokee & Wagoneer (1966-74) – With instrument cluster out of dash panel, remove constant voltage regulator (CVR) and terminal nuts from temperature and fuel gauge studs. Remove attaching screws and lift circuit board off back of cluster.

SPEEDOMETER, FUEL GAUGE, & TEMPERATURE GAUGE

CJ & DJ, All Models (1965-71) – Speedometer and gauges are removed as a unit following directions given in Instrument Cluster removal. Once cluster is removed, gauges can be separated and repaired or replaced as needed.

CJ & DJ, All Models (1972-74) – Speedometer and gauges are removed as a unit from instrument panel.

All "J" Models & Wagoneer (1966-74) – Speedometer and gauges are contained in panel housing. After removing panel housing following directions given in Instrument Cluster removal, remove instruments by taking off back cover of panel housing.

JEEP CORP. (Cont.)

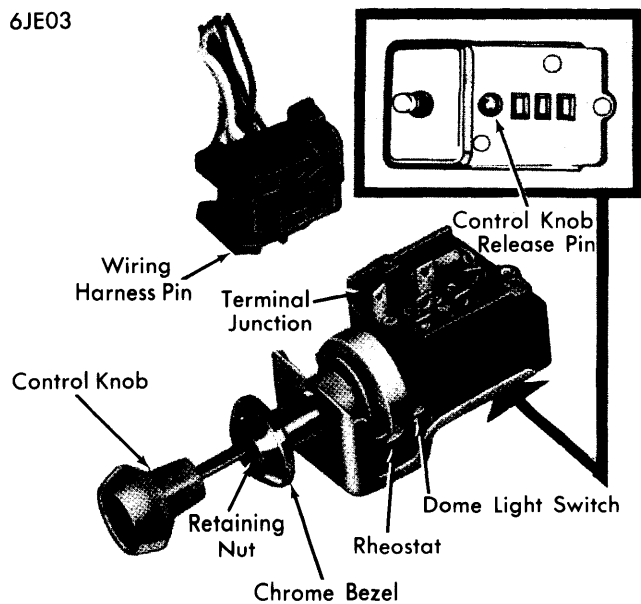
HEADLIGHT SWITCH

CJ & DJ, All Models (1965-71) — To remove from instrument panel, first loosen set screw in control knob and remove knob. Retaining nut may then be removed and switch removed through rear of panel.

CJ & DJ, All Models (1972-73) — Remove set screw in knob and unscrew knob from shaft. Remove retaining nut and drop switch down for access to wires. Remove wires and switch. Remove circuit breaker from light switch.

CJ & DJ, All Models (1974) — Disconnect connector plug from switch, pull control knob out to second position. From behind instrument panel, depress knob release button and pull knob out of switch. Remove retaining nut and bezel and remove switch through rear of instrument panel.

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MAIN LIGHT SWITCH, ALL SERIES (TYPICAL)

Jeepster (1967-71) & Commando (1972-73) — Remove switch panel from dash panel by pressing inward on the two spring locks attached to ends of switch panel while pushing panel outward, then remove wire terminal plug and wire from light switch. Remove screws attaching light switch to panel and remove. When replacing switch, make sure that "OFF" is in correct reading position on panel.

"J" Series, All Models and Wagoneer (1966-71) — Main light switch may be removed from instrument panel by first removing wire terminal plug from switch. Press in on control knob release pin and pull control knob out of switch. Remove

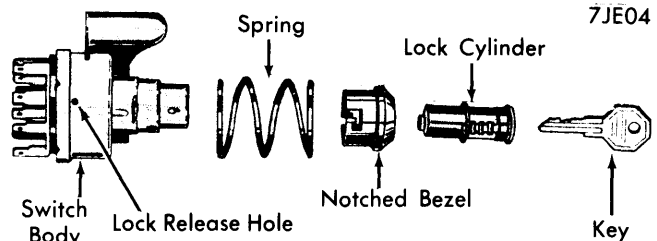
retaining nut and bezel and remove switch through rear of instrument panel. When replacing switch, make sure that light bezel is installed with word "LIGHT" in correct reading position.

Wagoneer, "J" Series (1972-74) & Cherokee (1974) — To remove light switch, disconnect connection plug from switch. Pull control knob out to second position. From behind instrument panel, depress knob release button and pull knob out of switch, remove retaining nut and bezel. Remove switch through rear of instrument panel.

IGNITION SWITCH

CJ & DJ, All Models (1965-71) — Two switches that are interchangeable have been used. Early switches are held in place by a bezel and tension spring. Later switches use a threaded bezel nut. Lock cylinders are not interchangeable between these two switches, early lock cylinders are $1\frac{1}{32}$ " (31 mm) long, later lock cylinders are $1\frac{1}{2}$ " (39 mm) long.

CJ & DJ, All Models (1972-73) — Remove key and retaining nut from front of panel, remove switch through rear of panel and disconnect wires. When installing switch, line up notch in switch with tab in panel.



IGNITION SWITCH (TYPICAL, 1965-74)

CJ & DJ, All Models (1974), All "J" Series & Jeepster (1967-71), Commando, Wagoneer, & "J" Series (1972-73) — Press main switch body toward instrument panel compressing spring until notched bezel is free to be turned counterclockwise, thus releasing from off notch pins. Remove bezel and pull back main switch body through panel so that wiring harness plug can be removed from prong connection. To install, reverse removal procedure.

Cherokee, Wagoneer, & "J" Series (1974) — Two different types of ignition switches are used, one for standard columns, one for Tilt column. The actuator rod moves down on standard columns, and up (toward steering wheel) on Tilt columns when ignition key is turned to "START" position. To remove, press main switch body toward instrument panel compressing spring until notched bezel is free to be turned counterclockwise releasing from off notch pins. Remove bezel and pull back main switch body releasing spring tension. Lower switch body from under instrument panel until wiring harness plug can be removed from prong connection.