

## JAGUAR

XJ6  
XJ12  
XJS

### REMOVAL & INSTALLATION

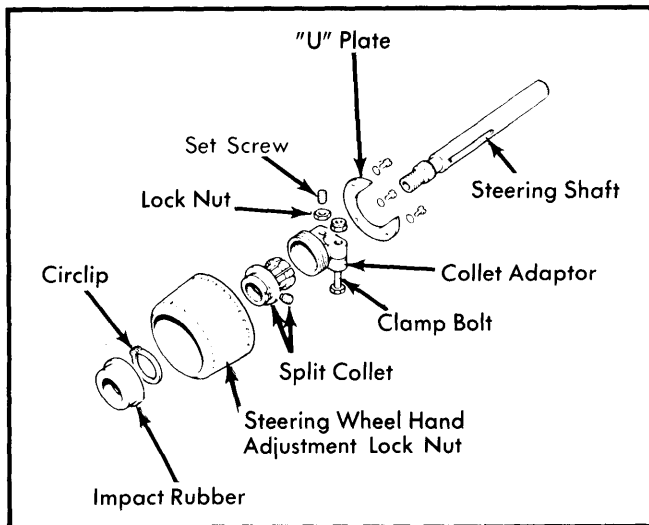
#### HORN PAD & STEERING WHEEL

**Removal (XJ6 & XJ12)** – 1) Set front wheels in straight-ahead position. Mark this position on steering wheel and do not turn wheel again.

2) Remove three screws securing lower switch cover and detach cover.

3) Working from below, remove clamp bolt securing split collet adaptor (Fig. 1) to steering column. Loosen lock nut set screw lock nut 2 turns.

4) Withdraw steering wheel, complete with hand lock nut, impact rubber bumper, collet adaptor, and shaft.



**Fig. 1** Components Located Behind Steering Wheel. XJ6 and XJ12 Shown

**Dismantling** – 1) Unscrew two self-tapping screws from lower face of steering wheel boss and lift off padded horn contact.

2) Unscrew nylon nut from top of steering wheel shaft and remove it carefully, taking out the horn contact tube also.

3) Remove self-locking nut and plain washer which retain steering wheel. Carefully pull steering wheel from the shaft, collecting both halves of the split cone.

**Installation** – To install, reverse removal procedure and note the following: Be sure that front wheels are always kept in a straight-ahead position. When tightening collet clamp, tighten grub screw finger-tight, snug down its lock nut and torque clamp bolt to 10-12 ft. lbs. (1.4-1.6 mkg).

**Removal (XJS)** – 1) Loosen steering wheel adjustment lock nut. Grasp wheel and pull outward to the maximum extended position. Remove 2 horn pad-to-steering wheel mounting screws, then lift pad from wheel.

2) Place front wheels in straight ahead position. Engage steering column lock. Make sure key is removed. Remove the horn contact (rod) from upper column. Take off steering wheel mounting nut. Tap steering wheel off column. Do not lose split pins.

**Installation** – To install, reverse removal procedure.

#### STEERING LOCK

**Removal** – Take off upper column shrouding. Using a center punch, make several dimples in shear bolt and rotate bolt out.

**Installation** – Reverse removal procedure.

#### IGNITION SWITCH

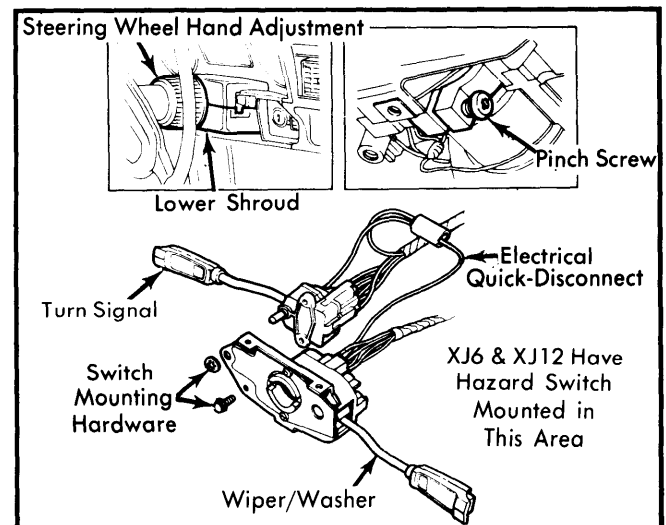
**Removal** – Disconnect battery ground. Separate column shrouding from switch side. On XJ6 and XJ12 models only, disengage retaining ring holding ignition switch in housing. On XJS models only, maneuver shrouding until access to ignition switch set screw is gained; loosen screw. Force switch and wiring clear of housing. On all models, disconnect ignition switch wiring at multi-pin connector. Remove switch and harness.

**Installation** – To install, reverse removal procedure. On XJS models only, make sure lock tab on retaining ring engages slot.

#### TURN SIGNAL, WIPER/WASHER, HAZARD, DIMMER

**Removal; XJ12 & XJ6** – Disconnect battery ground. Take off steering column lower shroud. Remove steering wheel as previously outlined. Take off steering column upper shroud. Take cover out from below instrument panel. Loosen pinch bolt and pull combination switch assembly from steering column. Disconnect electrical wiring. Hazard flasher can now be separated by disconnecting wires, depressing tangs and pushing switch through mounting plate.

**Installation** – To install, reverse removal procedure.



**Fig. 2** Combination Switch Assembly XJS Shown

# 10-10 Steering Wheel & Column Switches

## JAGUAR (Cont.)

### TURN SIGNAL, WIPER/WASHER, DIMMER

**Removal (XJS) – 1)** Disconnect battery ground. Loosen steering wheel hand adjustment ring, then extend wheel as far into passenger compartment as possible. Remove steering column lower shrouding. Remove steering wheel.

**2)** Remove upper shroud screw from bracket on column. Loosen pinch screw holding switch assembly to column. See Fig. 2. Separate shroud from switch assembly. Remove switch mounting screw. Separate ground at electrical quick-disconnect. Separate turn signal and wiper/washer switches.

**Installation –** To install, reverse removal procedure.

## LANCIA

### Lancia

### REMOVAL & INSTALLATION

#### STEERING WHEEL

**Removal –** Place front wheels in straight ahead position. Disconnect battery. Remove horn cover mounting screws from below steering wheel spokes. On Coupe models only, horn cover will pry off. Remove spring. Mark steering wheel and shaft. Remove mounting nut. Fit puller 88062038 (or equivalent) and remove steering wheel.

**NOTE –** On some early models it will be necessary to drill and tap two holes for puller.

**Installation –** To install, reverse removal procedure. Make sure index marks on steering wheel and shaft align.

#### STEERING COLUMN LOCK AND IGNITION SWITCH

**Removal – 1)** Disconnect battery. Place front wheels in straight ahead position. Remove steering shaft mounting bolt and take off lower column casing. Disconnect multi-plug from socket. Remove steering column cover nuts and lift off complete with controls and steering wheel.

**2)** Use a .236" (6 mm) drill and remove shear bolts mounting column lock. Punch out bolts (if necessary) and lift out lock. Remove bolt keeping ignition switch to column lock support. Fit key and turn switch to "GAR", remove key. Use a metal pointed tool, depress lock spring, and slip out lock at same time.

**Installation –** Reassemble ignition switch. Fit column lock into position on steering column. Tighten mounting bolts until heads shear. Refit steering shaft lower end and tighten nut. Install upper cover to steering column and tighten mounting nuts. Reconnect multi-plug. Install steering column lower cover. Connect battery.

#### STEERING COLUMN ADJUSTER

**Removal – 1)** Disconnect battery. Disconnect speedometer at transaxle. Remove instrument cluster bolts and knobs. Disconnect speedometer cable from under dash. Separate electrical connections and lift off cluster.

**2)** Remove lower column cover. Remove nuts mounting steering shaft to adjustable bracket. Place steering shaft out of way. Remove mounting nuts and take off adjuster handle. Remove nuts mounting bracket to pedal support and lift off unit.

**Installation –** To install, reverse removal procedure.

### LUV

**CAUTION –** Steering shaft is an energy-absorbing unit. During any service operation, avoid jarring or leaning on any portion of column.

### REMOVAL & INSTALLATION

#### HORN BUTTON & STEERING WHEEL

**1)** Disconnect battery. Remove horn pad and spring by pushing in on pad and turning counterclockwise.

**2)** Remove horn contact ring and wire. Unscrew steering wheel retaining nut. Mark position of steering wheel on column shaft. Remove steering column cowling (4 screws).

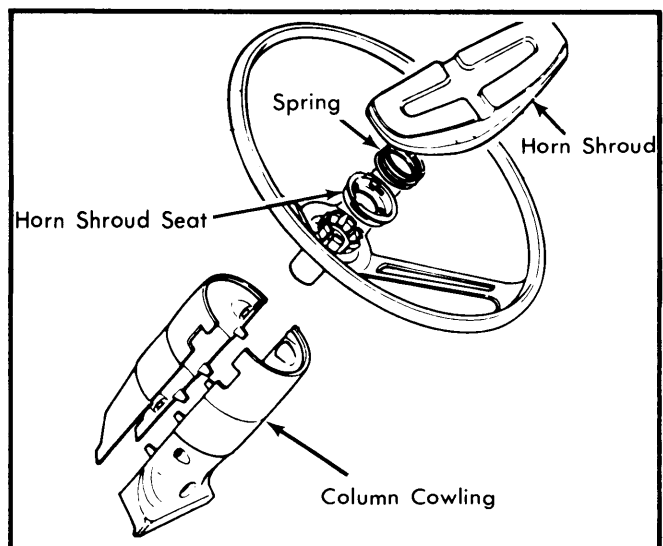
**3)** Using appropriate puller (J-24292 for standard wheel or J-2927/J-2927-10 for sport type wheel), remove steering wheel.

#### TURN SIGNAL/DIMMER SWITCH

Switch is a combination turn signal and headlight dimmer assembly. Disconnect battery ground and remove steering

## LUV

column cowling. Disconnect wires to switch harness. Remove switch by separating from clamp on mast jacket (two screws). To install, reverse removal procedures.



**Fig. 1 LUV Steering Wheel Assembly**