

## GROUP 37A

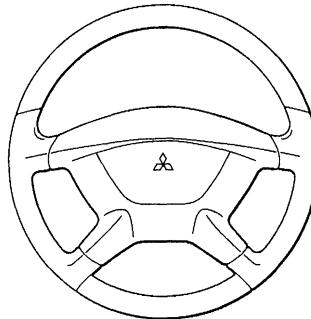
# STEERING

### GENERAL

#### OUTLINE OF CHANGES

- A newly-designed steering wheel (incorporating air bag) has been adopted <ELEGANCE>. Its removal and installation procedure is the same as for the conventional steering wheel (incorporating air bag).

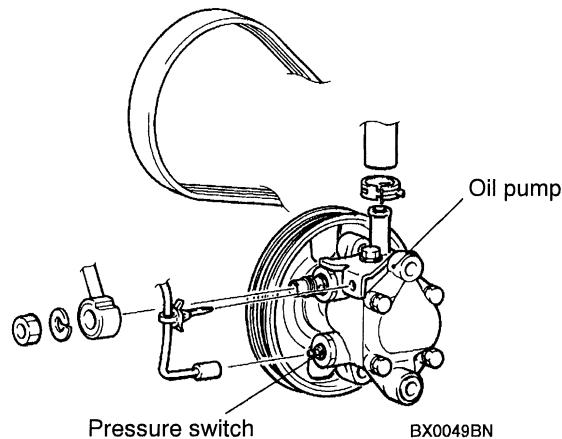
<Newly-designed steering wheel>



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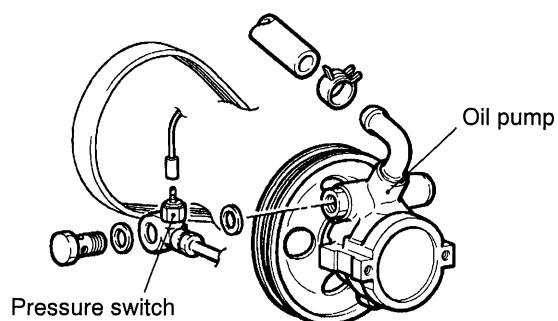
- The service procedures for the steering system have been established due to the change in the oil pump.
  - (1) Steering angle check
  - (2) Power steering gear box disassembly and reassembly
- The service procedures have been established due to the change in the oil pump <1600>.
  - (1) Power steering oil pressure switch check
  - (2) Oil pump removal and installation

<NEW>



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<OLD>



A13U0013

## SPECIFICATIONS

Items	Specifications	
Steering wheel maximum turns	2.91*	
Steering angle (Unladen vehicles)	Inner wheel	37°30**
	Outer wheel	31°36**
Steering gear and linkage	Type	Integral type
	Gear type	Rack and pinion
	Gear ratio	47.06*
	Rack stroke mm	137
Oil pump	Type	Vane type
	Displacement ml/rev.	5.9
	Relief set pressure MPa	9.8
	Reservoir type	Separate type

### NOTE

\* indicates a change.

## ON-VEHICLE SERVICE

### STEERING ANGLE CHECK

The following standard values have been revised. The inspection procedure is the same as before.

#### Standard value:

Inner wheel 37°30' ± 2°

(Difference in right and left wheels: 1°30' or less)

Outer wheel 31°36'

### POWER STEERING OIL PRESSURE SWITCH CHECK

The following standard values have been revised. The inspection procedure is the same as before.

#### Standard value:

OFF to ON 1.5 – 2.0 MPa

ON to OFF 0.8 MPa

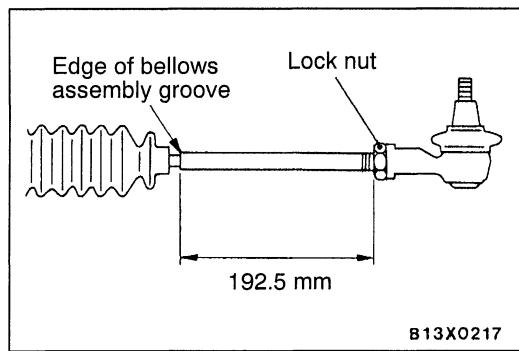
## POWER STEERING GEAR BOX

### DISASSEMBLY AND REASSEMBLY

The procedure is the same as before.

### REASSEMBLY SERVICE POINTS

The procedure other than below is the same as before.



### TIE ROD INSTALLATION

Screw in tie-rod end to have its right and left length as illustrated. Lock with lock nut.

## POWER STEERING OIL PUMP <1600>

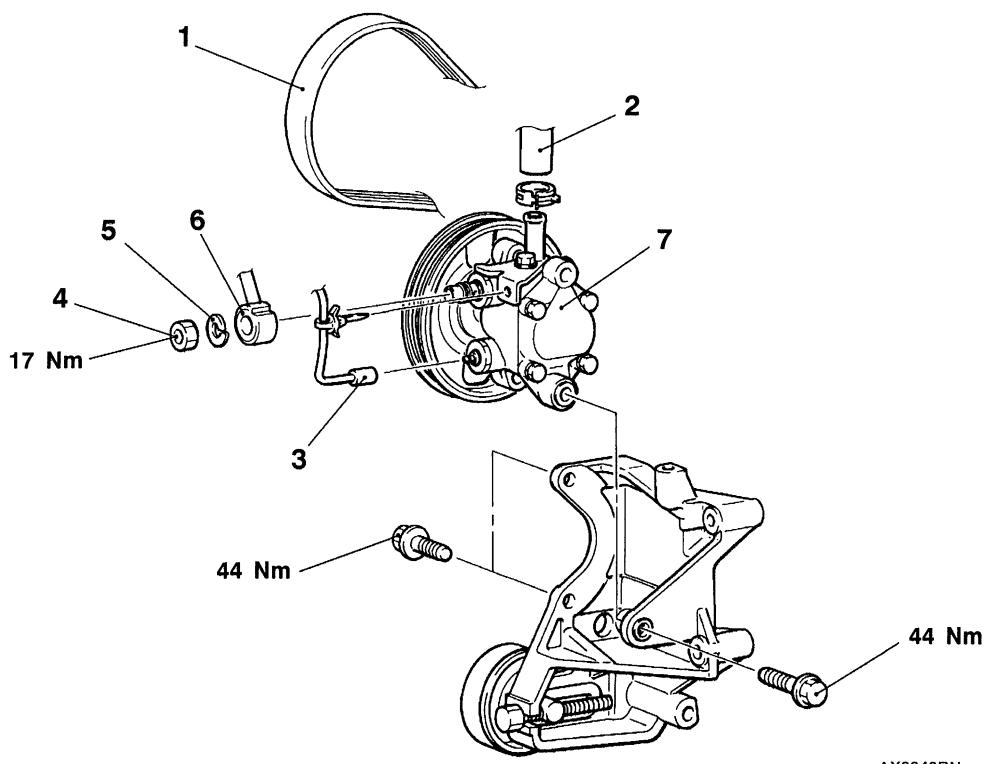
### REMOVAL AND INSTALLATION

#### Pre-removal Operation

Power Steering Fluid Draining

#### Post-installation Operation

- Power Steering Fluid Supplying
- Drive-belt Tension Adjusting
- Power Steering Fluid Line Bleeding
- Oil Pump Pressure Check



#### Removal steps

1. Drive belt	5. Washer
2. Suction hose	6. Banjo block
3. Pressure switch connector	7. Oil pump
4. Eye bolt	

### INSPECTION

Check the drive-belt for cracks.

Check the pulley assembly for uneven rotation.

**NOTES**