

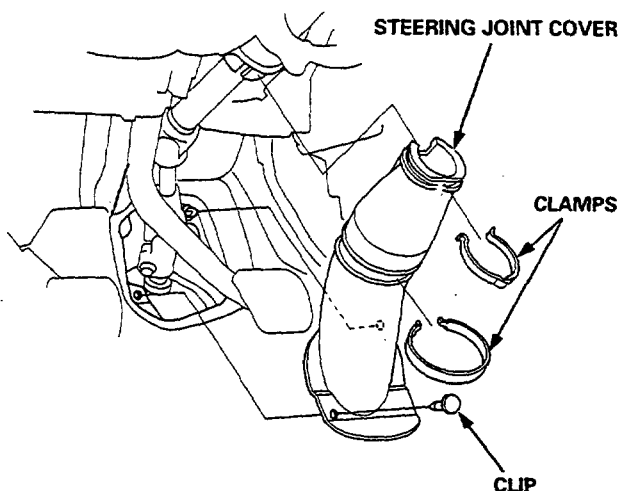
Steering Gearbox



Removal

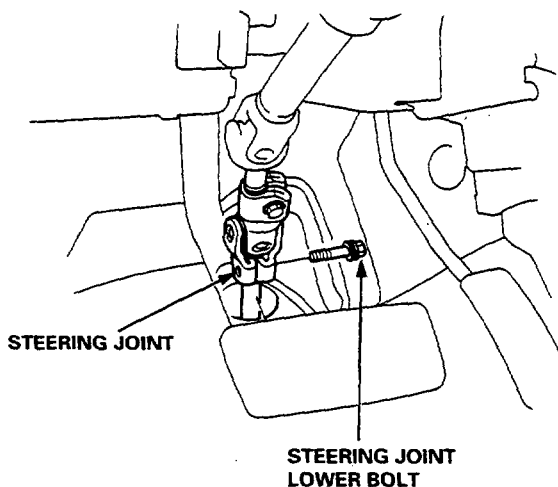
NOTE: Using solvent and a brush, wash any oil and dirt off the valve body unit, its lines, and the end of the gear-box. Blow dry with compressed air.

1. Drain the power steering fluid as described on page 17-21.
2. Raise the front of car, and support on safety stands in the proper locations (see section 1).
3. Remove the front wheels.
4. Remove the steering joint cover.



5. Remove the steering joint lower bolt, and move the joint toward the column.

NOTE: Lock the steering shaft with the ignition key to retain the steering shaft position.



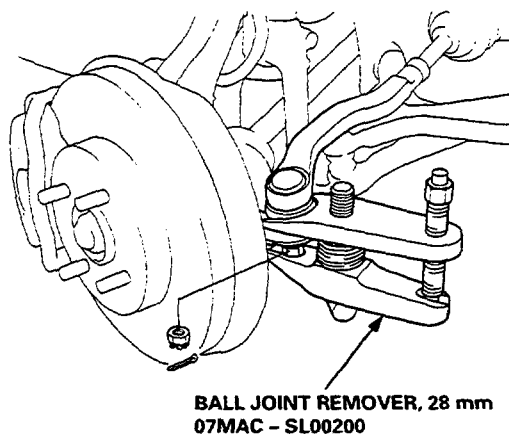
6. Remove the cotter pin from the castle nut and remove the nut.

7. Install the 10 mm hex nut on the ball joint. Be sure that the 10 mm hex nut is flush with the ball joint pin end, or the threaded section of the ball joint pin might be damaged by the ball joint remover.

NOTE: Remove the ball joint using the Ball Joint Remover, 28 mm (07MAC - SL00200). Refer to page 18-11 for how to use the ball joint remover.

8. Separate the tie-rod ball joint and knuckle using the special tool.

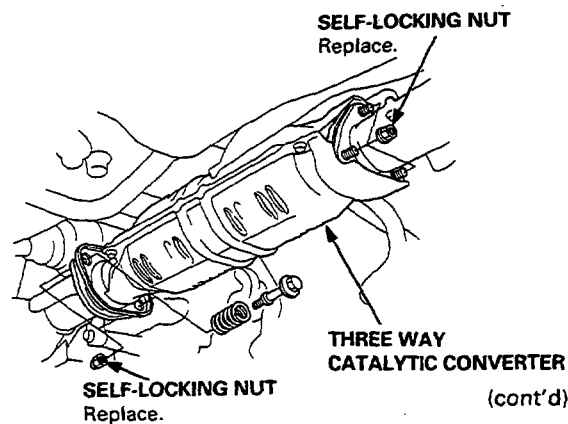
CAUTION: Avoid damaging the ball joint boot.



9. Disconnect the shift linkage (M/T model: see section 13, A/T model: see section 14).

10. Separate the three way catalytic converter by removing the self-locking nuts.

NOTE: Always replace the gaskets with new ones.

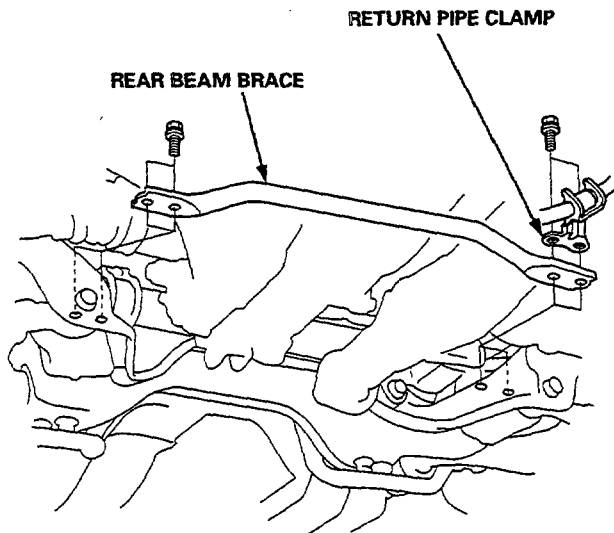


Steering Gearbox

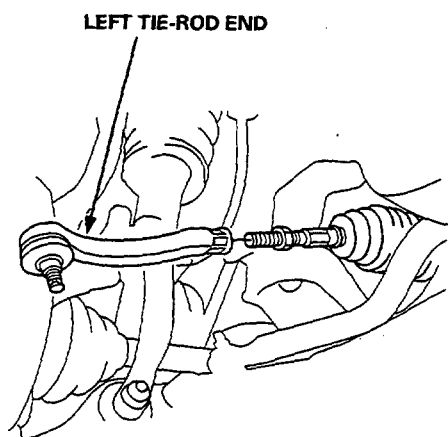
Removal (cont'd)

11. Remove the return pipe clamp from the left side of the rear beam, and move the return pipe above the steering gearbox.

12. Remove the rear beam brace.



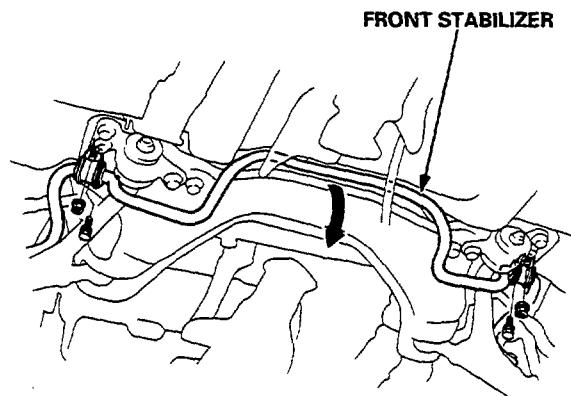
13. Remove the left tie-rod end, then slide the rack all the way to the right.



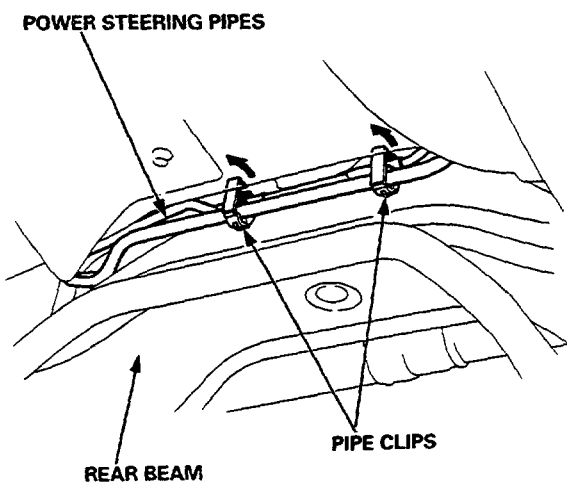
14. RHD only: Remove the pipe clips.

- 1) Remove the fastener from the front stabilizer mounting section and lower the front stabilizer.

NOTE: Do not disconnect the front stabilizer from the joint.



- 2) Remove the two power steering pipes from the pipe clips on the top of the rear beam.





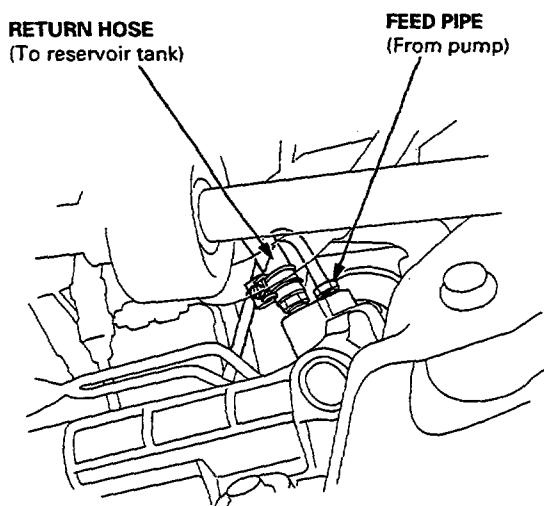
15. Disconnect the two lines from the valve body unit on the steering gearbox.

CAUTION: After disconnecting the hose and pipe, plug or seal the hose and pipe with a piece of tape or equivalent to prevent foreign materials from entering the valve body unit.

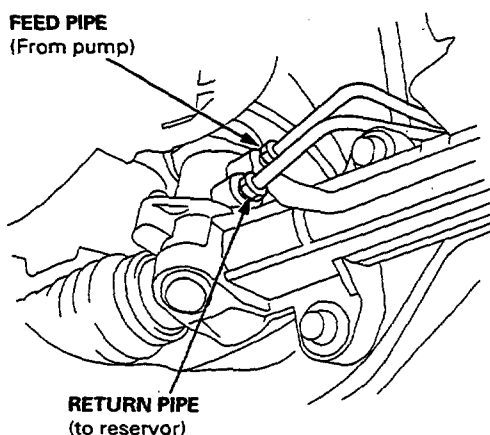
NOTE:

- Place the pipe disconnected in the previous step at the rear side of the gearbox so that they do not hinder in the gearbox removal.
- Do not loosen the cylinder pipes A and B between the valve body unit and cylinder.

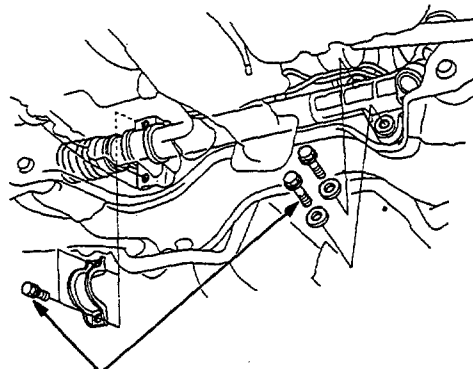
〈LHD type:〉



〈RHD type:〉



16. Remove the steering gearbox mounting bolts.



GEARBOX MOUNTING BOLTS

NOTE: For RHD type, on removing the gear box. Hang the engine and down the rear beam 30 mm downward. Remove the gear box downward.

17. Pull the steering gearbox all the way down to clear the pinion shaft from the bulkhead, and remove the pinion shaft grommet.
18. Move the steering gearbox to the right so the left rack end clears the rear beam.
19. Hold the steering gearbox and slide the rack all the way to the left, then place the left rack end below the rear beam.
20. Move the steering gearbox to the left, and tilt the left side down to remove it from the car.

CAUTION: Do not try to disassemble to steering gearbox. If the gearbox is faulty, replace the whole gearbox as an assembly.

