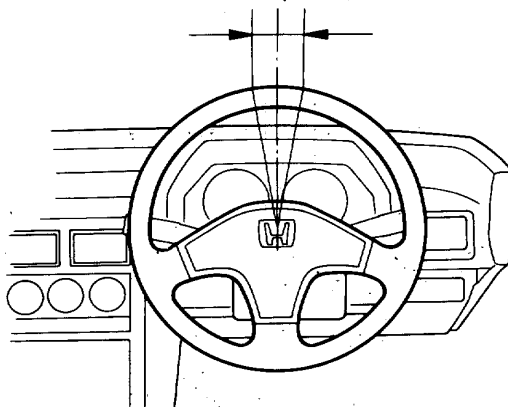




## Steering Wheel Rotational Play

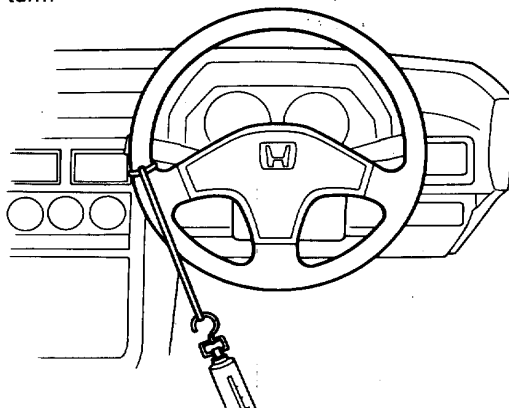
1. Place the front wheels in a straight ahead position and measure the distance the steering wheel can be turned without moving the front wheels.
2. If the play exceeds the service limit, check all steering components.

10 mm (0.4 in)



## Power Assist Check with Car Parked

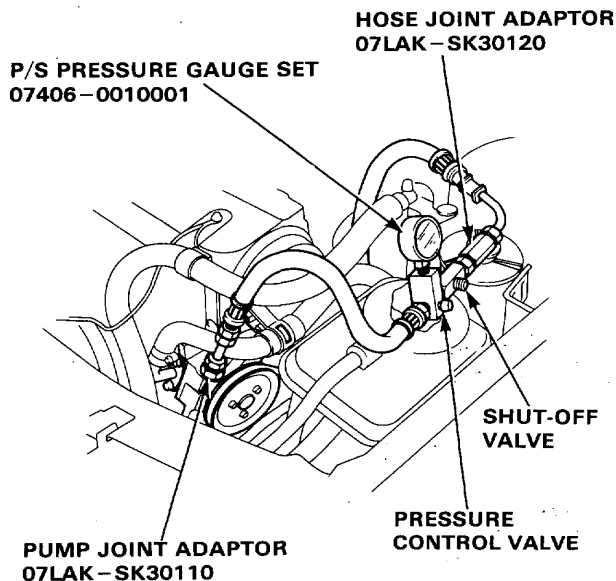
1. Check the power steering fluid level and pump belt tension.
2. Start the engine, allow it to idle, and turn the steering wheel from lock-to-lock several times to warm up the fluid.
3. Attach a spring scale to the steering wheel. With the engine idling and the car on a clean, dry floor, pull the scale as shown and read it as soon as the tires begin to turn.



4. The scale should read approximately 27-30N (2.7-3.0 kg, 6.0-6.6 lb)  
If the reading is significantly greater or less, check the gearbox and pump.

NOTE: The reading may differ depending on the surface on which the tires lie.

4. Install the pump joint adaptor into the pump outlet and tighten it securely.
5. Install the power steering pressure gauge set between the pump and hose joint adaptors as shown.



6. Start the engine and let it idle.
7. Turn the steering wheel from lock-to-lock several times to warm the fluid to operating temperature.
8. Close the shut-off valve, then, close the pressure control valve gradually until the pressure gauge needle is stable. Read the pressure.
9. Immediately open the shut-off valve fully.

**CAUTION:** Do not keep the shut-off valve closed more than 5 seconds or the pump could be damaged by over-heating.

If the pump is in good condition, the gauge should read at least 6,566–7,154 kPa (67–73 kg/cm<sup>2</sup>, 952–1,038 psi). A low reading means pump output is too low for full assist. Repair or replace the pump.