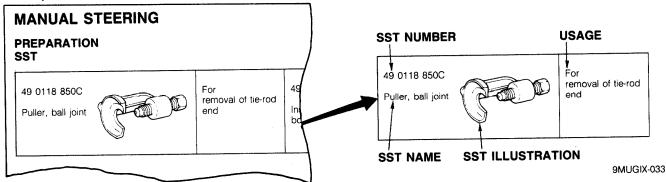
HOW TO USE THIS MANUAL

PREPARATION

PREPARATION points out the needed Special Service Tool (SST) for the service operation that it proceeds. Gather all necessary SST before beginning work.

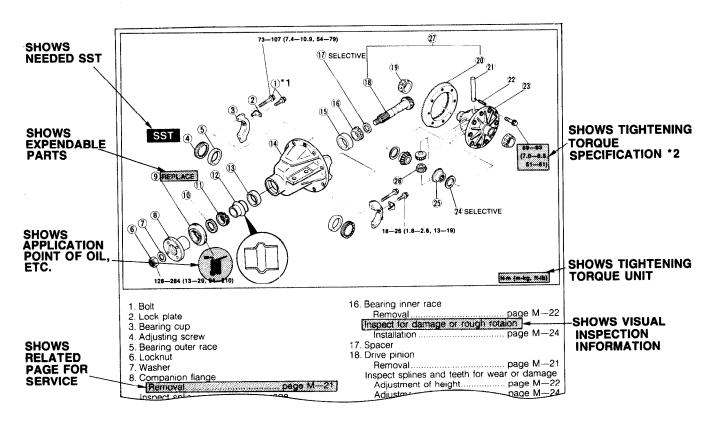
Example:



REPAIR PROCEDURE

- 1. Most repair operations begin with an overview illustration. It identifies the components, shows how the parts fit together, and visual parts inspections. If a damaged or worn part is found, repair or replace it as necessary.
- 2. Expendable parts, tightening torques, and symbols for oil, grease, and sealant are shown in the overview illustration.
- 3. Pages related to service procedures are shown under the illustration. Refer to this information when servicing the related part.

Example:



9MUGIX-034

- *1: The numbering (ex.1) shows service procedure.
- *2: Units shown in N·m (m-kg, ft-lb) unless otherwise specified.

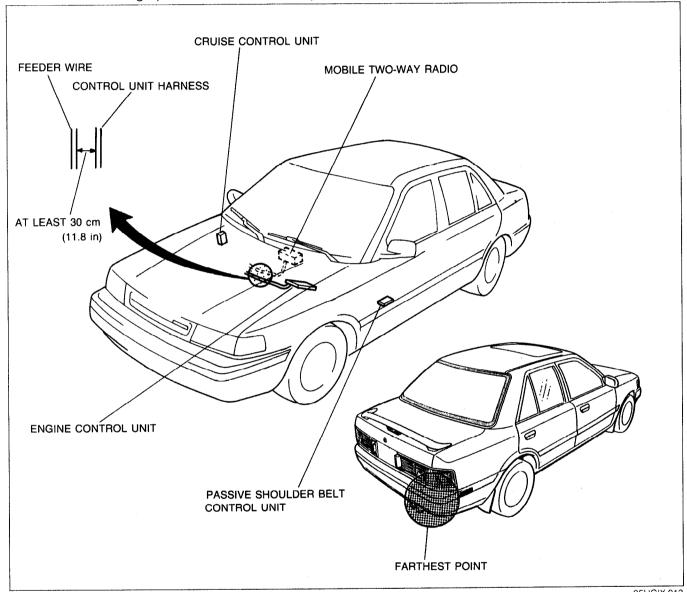
CAUTION

INSTALLATION OF MOBILE TWO-WAY RADIO SYSTEM

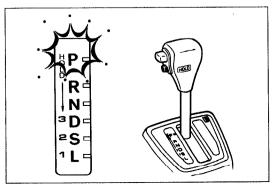
If a mobile two-way radio system is installed improperly or if a high-powered type is used, the EGI system and other systems may be affected.

When the vehicle is to be equipped with a mobile two-way radio, observe the following precautions:

- 1. Install the antenna at the farthest point from control units.
- 2. Install the antenna feeder as far as possible from the control unit harnesses (at least 30 cm [11.8 in]).
- 3. Ensure that the antenna and feeder are properly adjusted.
- 4. Do not install a high-powered mobile two-way radio system.



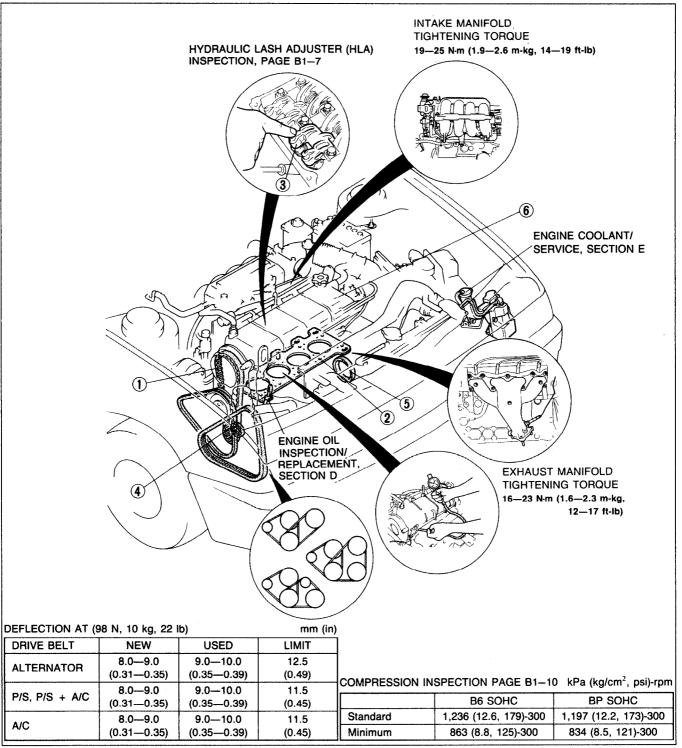




REMOVAL OF IGNITION KEY ON AUTOMATIC TRANSAXLE MODEL

The selector lever must be in P (PARK) to turn the ignition key to the OFF position. If the switch seems to be off but the key cannot be removed, the switch may still be in the ACC position, or the selector lever may not be in P (PARK). Shift the selector lever to P (PARK), and turn the ignition key to the LOCK position. The key should now be free for removal.

INDEX



23U0B1-002

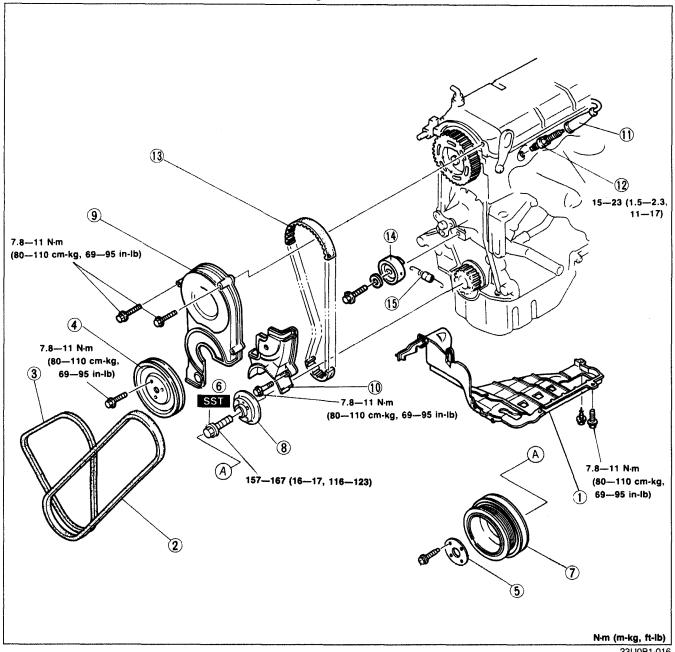
1. Timing belt
Removal / Installation page B1-12
2. Cylinder head gasket
Replacement page B1-16
3. HLA
Removal / Installation page B1-20
4. Front oil seal
Replacement page B1-23
5. Rear oil seal
Replacement page B1-25

6. Engine	
Removal page	B1-28
Engine stand mounting page	B1-35
Disassembly page	B1-38
Inspection / Repair page	B1-54
Assembly page	B1-66
Engine stand dismounting page	
Installation page	B1-94

TIMING BELT

Removal / Installation

- 1. Disconnect the negative battery cable.
- 2. Raise the vehicle on a lift and remove the right front wheel.3. Remove in the order shown in the figure, referring to **Removal Note**.
- 4. Install in the reverse order of removal, referring to Installation Note.

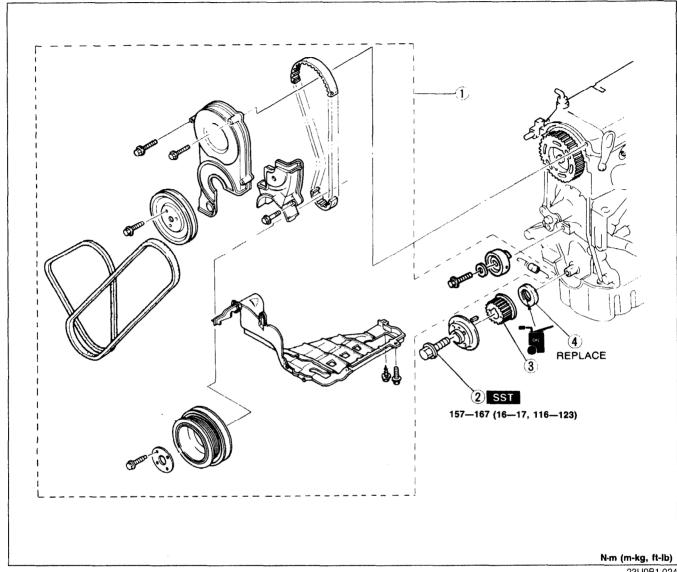


23U0B1-016

10. Timing belt cover, lower
11. High-tension leads
12. Spark plugs
13. Timing belt
Removal Note page B1-13
Installation Note page B1-13
14. Tensioner
Installation Notepage B1-13
15. Tensioner spring
Installation Note page B1-13

FRONT OIL SEAL Replacement

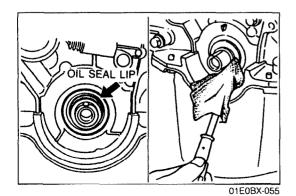
- Disconnect the negative battery cable.
 Remove in the order shown in the figure, referring to **Removal Note**.
- 3. Install in the reverse order of removal, referring to **Installation Note**.



23U0B1-024

page B1-12
page B1-24

3.	Timing belt pulley Installation Note	page B1-24
4.	Oil seal	, 0
	Removal Note	below
	Installation Note	page B1-24

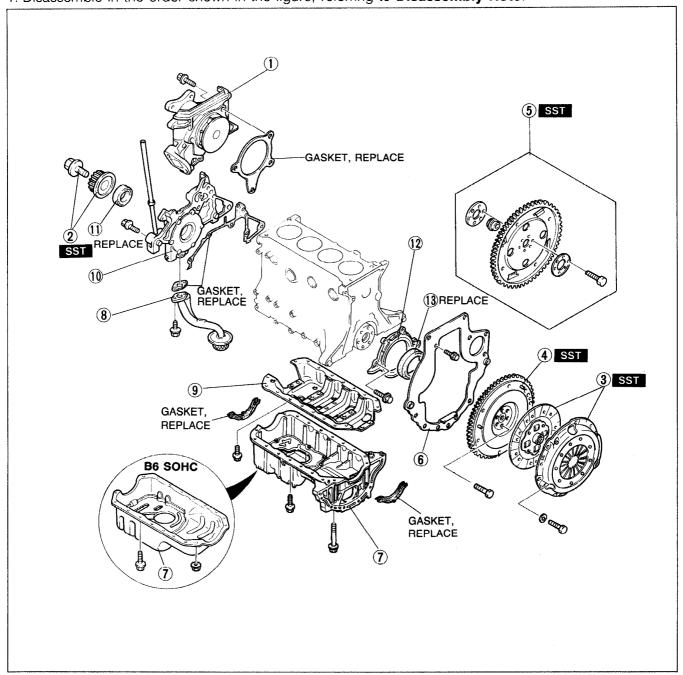


Removal Note Oil seal

- 1. Cut the oil seal lip with a razor knife.
- 2. Remove the oil seal with a screwdriver protected with a rag.

CYLINDER BLOCK (EXTERNAL PARTS)

1. Disassemble in the order shown in the figure, referring to **Disassembly Note**.



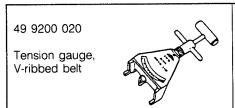
23U0B1-037

1. Water pump
Service Section E
2. Timing belt pulley and lock bolt
Disassembly Note page B1-48
Inspectionpage B1–65
3. Clutch cover, clutch disc (MTX)
Service Section H
4. Flywheel (MTX)
Disassembly Note page B1-48
Inspect for wear or damage
5. Backing plate, drive plate, and adapter (ATX)
Disassembly Note page B1-48
6. End plate

page B1-49
٦١
P)
page B1-49
Section D
page B1-49
page B1-49

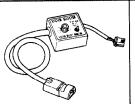
ENGINE TUNE-UP PROCEDURE

PREPARATION SST



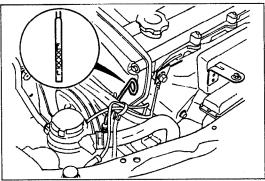
For inspection of drive belt tension

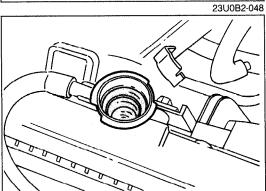
49 B019 9A0 System selector

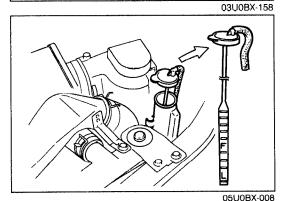


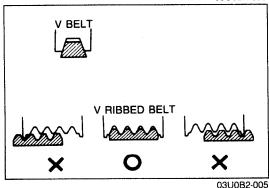
For inspection of ignition timing and idle speed

05U0BX-005









ENGINE OIL

Inspection

- 1. Be sure the vehicle is on level ground.
- 2. Warm up the engine to normal operating temperature and stop it.
- 3. Wait for 5 minutes.
- 4. Remove the oil level gauge and check the oil level and condition
- 5. Add or replace oil if necessary.

Note

• The distance between the L and F marks on the level gauge represents 0.8 liter (0.85 US qt, 0.70 Imp qt).

ENGINE COOLANT Inspection Coolant level (engine cold)

Warning

- Never remove the radiator cap while the engine is hot.
- Wrap a thick cloth around the cap when removing it.
- 1. Verify that the coolant level is near the radiator filler neck.
- 2. Remove the coolant level gauge and check the coolant level.
- 3. Add coolant if necessary.

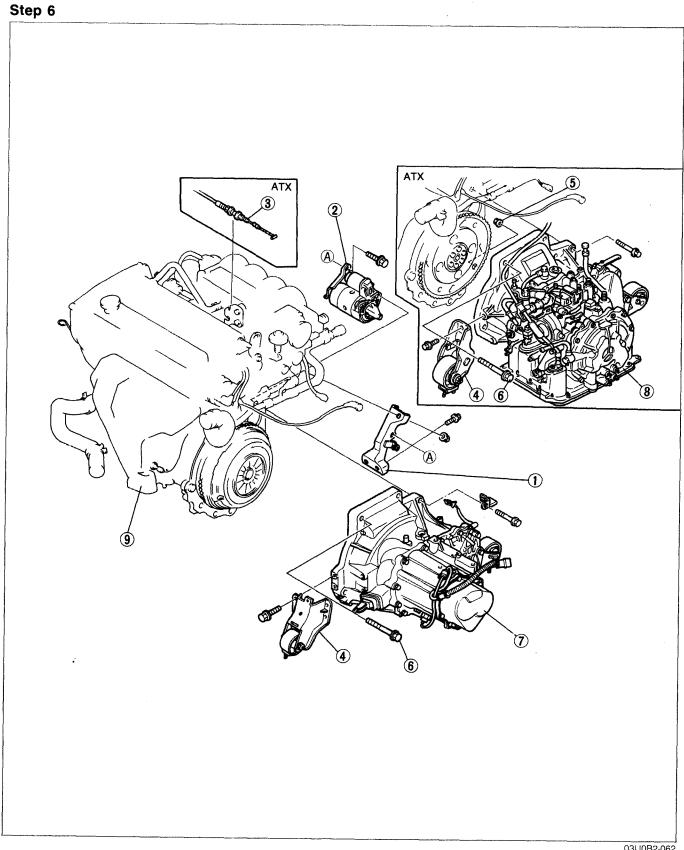
Coolant quality

- 1. Verify that there is no buildup of rust or scale around the radiator cap or radiator filler neck.
- 2. Verify that the coolant is free of oil.
- 3. Replace the coolant if necessary.

DRIVE BELT

Inspection

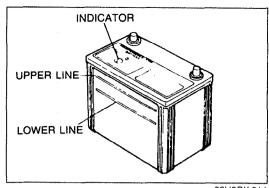
- Check the drive belts for wear, cracks, and fraying. Replace
 if necessary
- 2. Verify that the drive belts are correctly mounted on the pulleys.

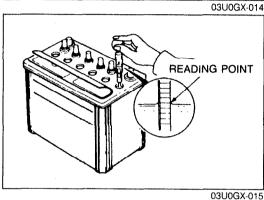


- 1. Intake manifold bracket
- 2. Starter
- 3. Throttle cable (ATX)4. No.2 engine mount rubber and bracket5. Torque converter nuts (ATX)

- 6. Transaxle mounting bolts7. Manual transaxle
- 8. Automatic transaxle 9. Engine assembly

03U0B2-062





BATTERY Inspection

Indicator sign (If equipped)

- 1. Check that the indicator is blue.
- 2. If the indicator is not blue, check if the electrolyte level lies between the upper and lower lines.
- 3. If low, add distilled water, being careful not to overfill.
- 4. If the electrolyte level is acceptable and yet the indicator is not blue, the battery must be recharged.

Specific gravity of electrolyte

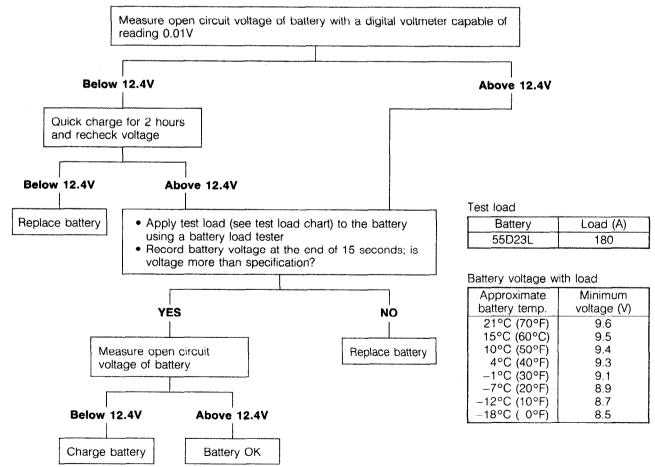
Measure the specific gravity with a hydrometer.

Specification: 1.27—1.29 (at 20°C [68°F])

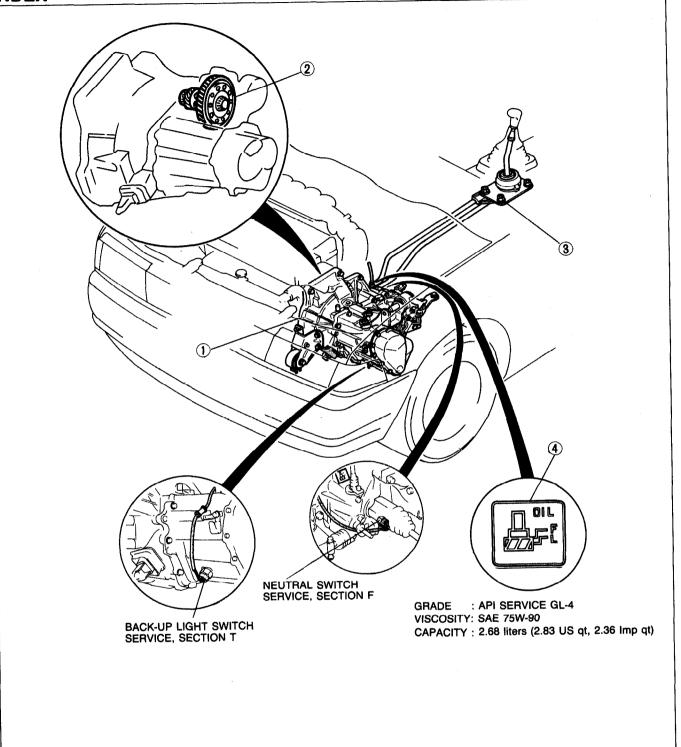
Note

 If the battery charge indicator is not blue when the specific gravity is normal, the indicator could be defective.

Battery discharge test



INDEX



03U0J1-002

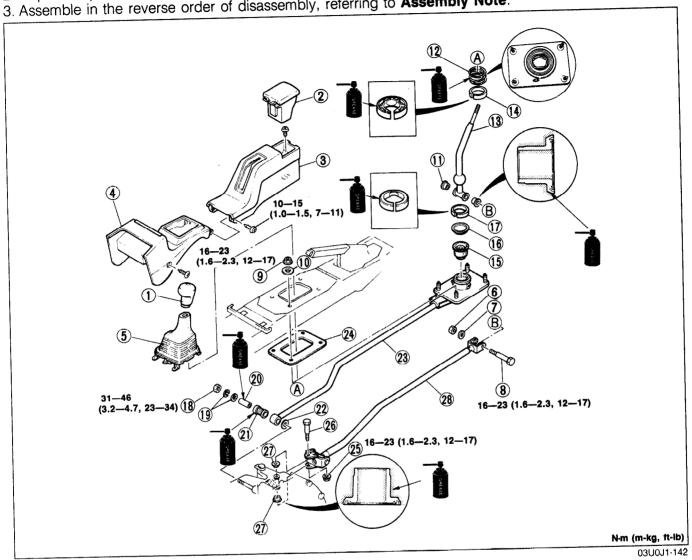
1. Transaxle	
Removal	page J1-10
Disassembly	page J1-14
Inspection	page J1-27
Assembly	page J1-30
Installation	page J1-48

2.	Differential			
	Disassembly / Inspection /			
	Assembly	page	J1-5	3
3.	Shift mechanism			_
	Overhaul	page	J1-5	6
4.	Transaxle oil			
	Inspection	page	J1-	7
	Replacement	page	J1-	7

SHIFT MECHANISM

OVERHAUL

- 1. Disassemble in the order shown in the figure.
- 2. Inspect all parts and repair or replace as necessary.
- 3. Assemble in the reverse order of disassembly, referring to Assembly Note.



- 1. Shift lever knob
- 2. Rear ashtray
- 3. Rear console
- 4. Front console
- 5. Boot
- 6. Nut
- 7. Washer
- 8. Bolt
- 9. Nut
- 10. Washer
- 11. Bushing
- 12. Spring

Inspect for damage and weakness Assembly Note..... page J1-57

- 13. Shift lever
- 14. Ball seat (upper)
- 15. Boot

Inspect for wear and damage

- 16. Holder
- 17. Ball seat (lower)
- 18. Nut
- 19. Washer
- 20. Pipe
- 21. Bushing
 - Inspect for wear and damage
- 22. Washer
- 23. Extension bar

Assembly Note..... page J1-57

24. Insulator

Inspect for damage and cracks

- 25. Nut
- 26. Bolt
- 27. Bushing

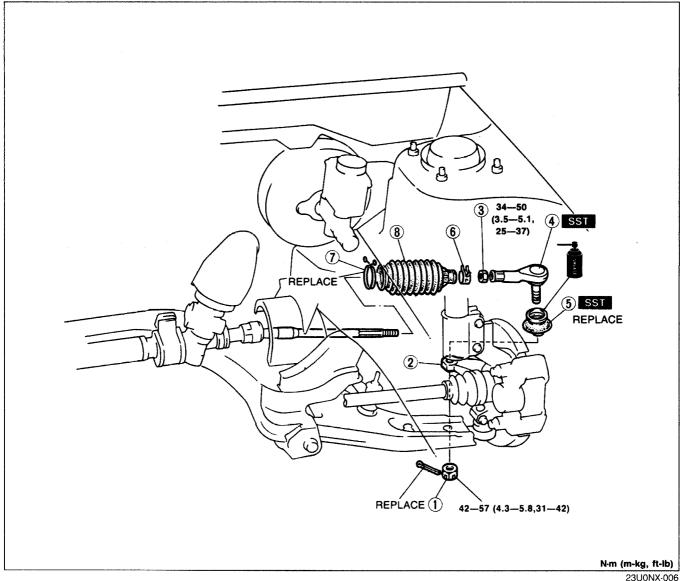
Inspect for wear and damage

28. Change control rod Inspect for bending

BOOT

Removal / Installation

- 1. Remove in the order shown in the figure, referring to **Removal Note**.
- 2. Install in the reverse order of removal, referring to **Installation Note**.



23U0NX-006

1. Cotter pin, nut
2. Tie rod end/Steering knuckle
Removal Note Below
3. Locknut
Removal Note page N- 7
4. Tie rod end

5. Tie rod end boot			
Removal Note	page	N-	7
Installation Note	page	N-	7
6. Boot clip			
7. Boot wire			

Removal note

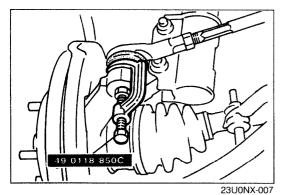
Tie rod end/Steering knuckle

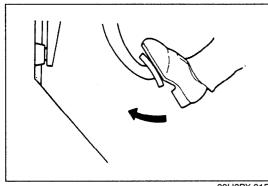
8. Rack boot

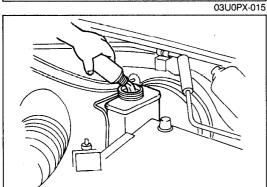
1. Pull out the cotter pin, and loosen the nuts until the nut contacts with the hole stud face.

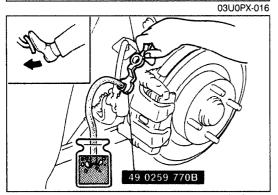
Caution

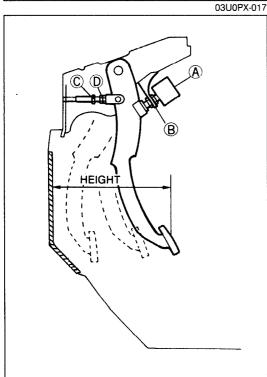
- Leave the nuts temporarily tight not to damage the screw thread.
- 2. Remove the tie rod from the knuckle arm with the SST.











BRAKE FLUID Inspection Leakage inspection

Depress the brake pedal several times, and inspect for leakage of the brake line system.

Brake Fluid Level Leakage check

Verify that the fluid level in the reservoir is between the MAX and MIN lines on the reservoir.

Add fluid if it is below MAX.

Replacement

- 1. Follow the procedure outlined in Air Bleeding. (Refer to page P-6).
- 2. Continue bleeding and replacing the brake fluid until only clean fluid is expelled.
- 3. Fill the reservoir to the MAX level.

BRAKE PEDAL Inspection, On-vehicle Brake pedal height Inspection

Verify that the distance from the center on the pedal pad to the floor mat is as specified.

Specification: 193—196mm (7.60—7.72 in)

Adjustment

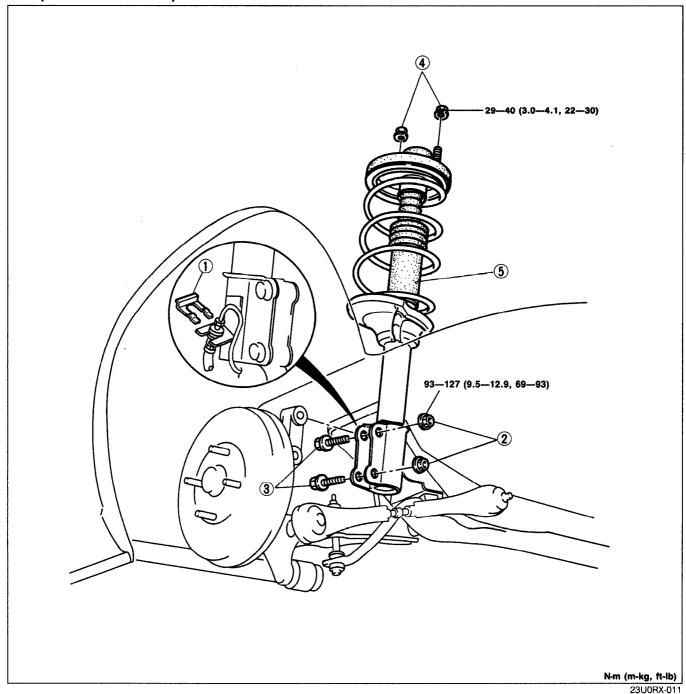
- 1. Disconnect the stoplight switch connector.
- 2. Loosen locknuts (B) and turn switch (A) until it does not contact the pedal.
- 3. Loosen locknuts ① and turn rod ② to adjust the height of the brake pedal.
- 4. Tighten the stoplight switch until it contacts the pedal, then turn it an additional 1/2 turn. Tighten locknuts (B) and (D).
- 5. Connect the stoplight switch connector.
- 6. Verify operation of the stoplights.

REAR SHOCK ABSORBER AND SPRING Removal / Installation

- 1. Jack up the rear of the vehicle and support it with safety stands.
- 2. Remove the wheels.
- 3. Remove in the order shown in the figure.
- 4. Install in the reverse order of removal.
- 5. After installation, measure the rear wheel alignment, if necessary.

Caution

• Retighten the shock absorber lower bolts to the specified torque after lowering the vehicle (unladen condition).

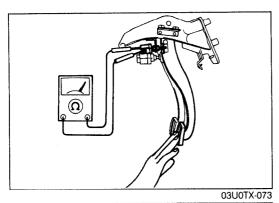


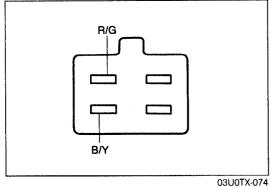
1.	Clip
0	N 1

2. Nut

3. Bolt 4. Nut

s. Snock absorber and spring		
Disassembly	page	R-2
Inspection		
Assembly	page	R-24





STOPLIGHT SWITCH Inspection

- 1. Remove the stoplight switch connector.
- 2. Connect an ohmmeter between terminals of the stoplight
- 3. Confirm continuity between the terminals when the brake pedal is depressed.

BACK-UP LIGHT SWITCH (For MTX) Inspection

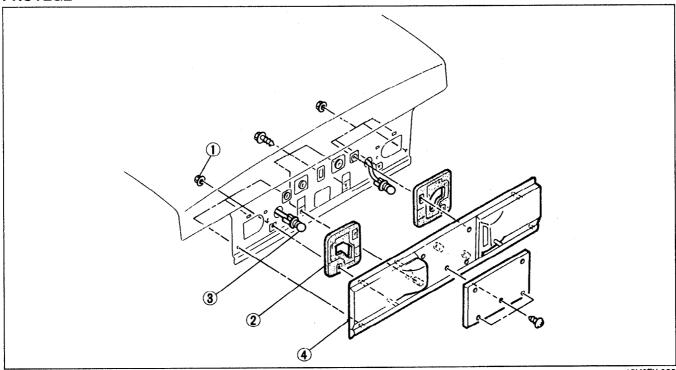
- 1. Remove the back-up light switch connector.
- 2. Shift to the reverse position.
- 3. Confirm continuity between the R/G and the B/Y wire of the connector.

LICENSE PLATE LIGHT

Removal / Inspection / Installation

- 1. Remove in the order shown in the figure.
- 2. Inspect all parts and repair or replace as necessary
- 3. Install in the reverse order of removal.

PROTEGÉ



13U0TX-066

- 1. Nut
- 2. Gasket
- 3. Bulb

4. License plate light (Rear finisher) Visual inspection