

REAR SUSPENSION

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RS-2

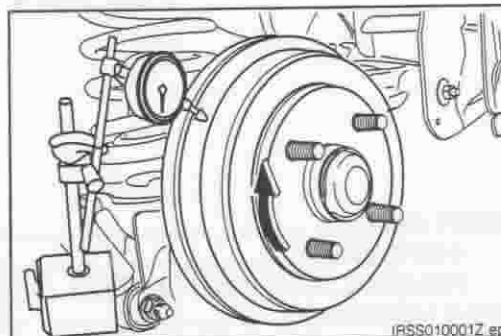
1 REAR AXLE

1-1 INSPECTION

1-1-1 AXLE HUB BEARING

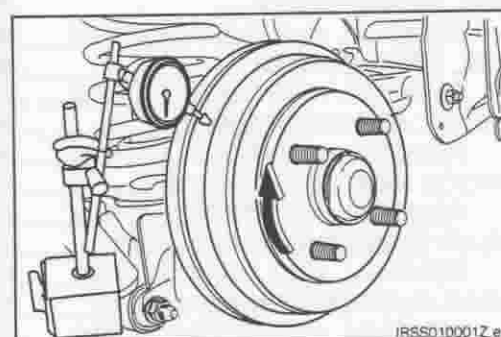
(1) THE EXCESSIVE PLAY IN AXIAL DIRECTION

1. Apply the dial gauge to the brake drum on the right angle.
 2. Measure the excessive play in the axis direction.
- ALLOWABLE LIMIT: MAX 0.8mm



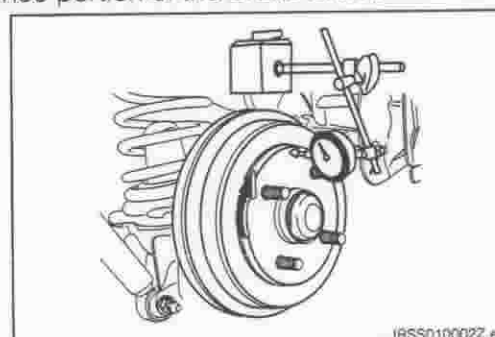
(2) THE EXCESSIVE PLAY IN VERTICAL DIRECTION

1. Apply the dial gauge to the brake drum on the right angle.
 2. Measure the excessive play in the vertical direction.
- ALLOWABLE LIMIT: MAX 0.8mm



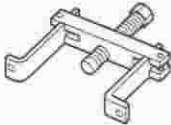
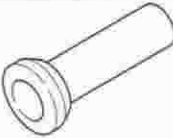
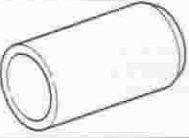
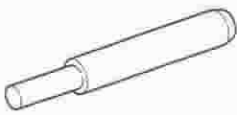
(3) RUNOUT

1. Apply the dial gauge on the right angle to the outer circumference portion of the brake drum.
 2. Measure the runout by turning the brake drum.
- ALLOWABLE LIMIT: MAX 0.2mm



1-2 REMOVAL AND INSTALLATION

1-2-1 PREPARATION TOOLS

	Shape	Part number, part name	Use
SST		09510-87301-000 Puller, front hub & drum	For removal of brake drum
		09309-87201-000 Replacer, transmission bearing	For installation of radial ball bearing (inner)
		09237-87201-000 Replacer, output shaft bearing	For removal of radial ball bearing (inner)
		09515-87201-000 Replacer, rear axle bearing outer	For installation of radial ball bearing (outer)
		09301-87702-000 Tool, clutch guide	For installation of radial ball bearing (outer)
Instrument	Torque wrench		
Lubricant	Mp grease		

RS-AXL-D-P-00011

1-2-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

- Keep the position of the jack up point to avoid causing the serious accident due to inclining of the vehicle.

2. Remove the wheel.

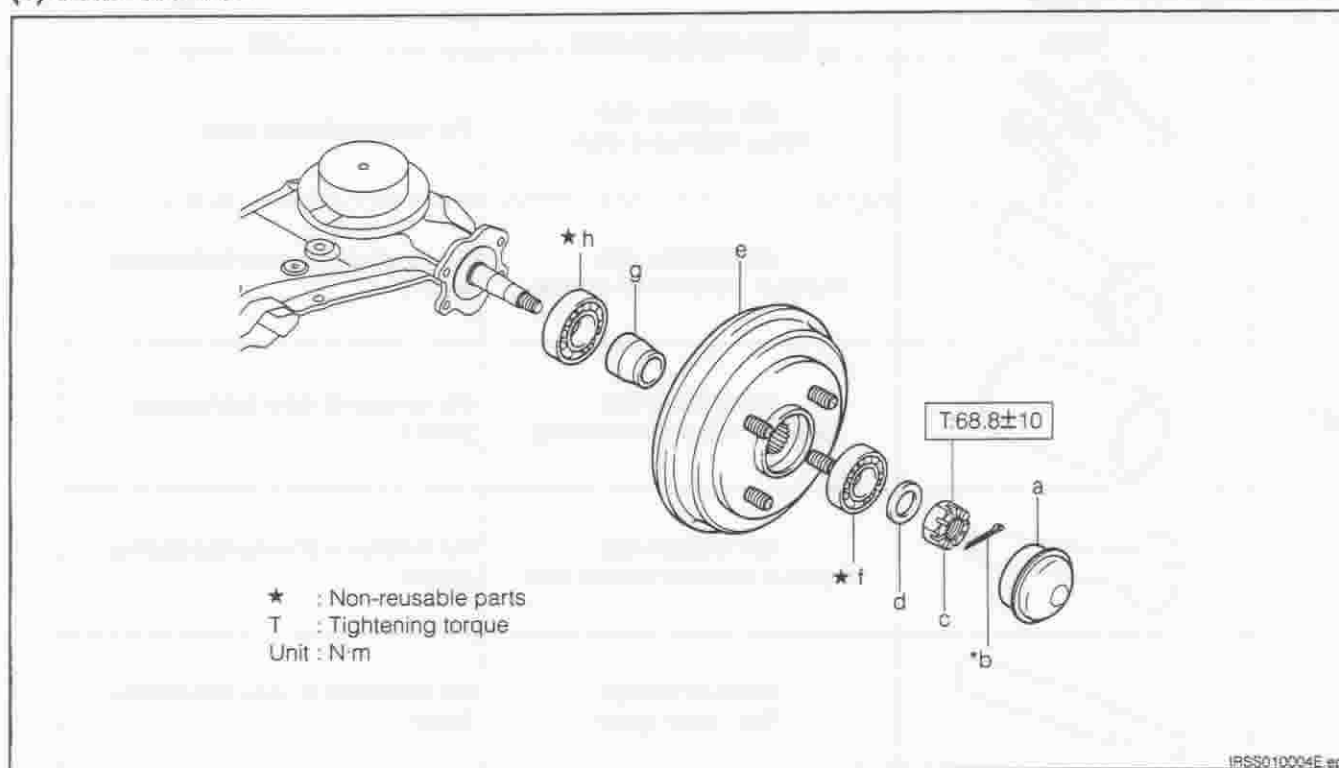
RS-AXL-D-B-00011



RS-4

1-2-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 8 a Cap, rear hub grease
- 2 7 b Pin, cotter
- 3 6 c Nut, castle
- 4 5 d washer, plate
- ⑤ 4 e Drum, brake rear

- ⑥ ③ f Bearing, radial ball (outer)
- 7 ② g Retainer, rear axle bearing
- ⑧ ① h Bearing, radial ball (inner)

RS-AXL-D-T-00011

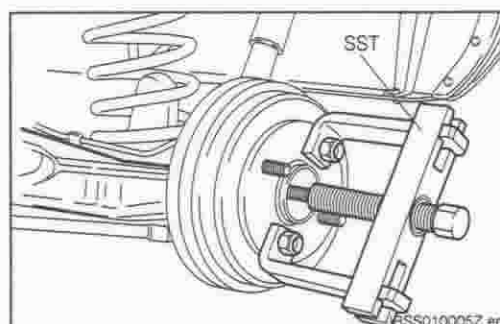
1-2-4 POINTS OF REMOVAL

1. Remove the brake drum.

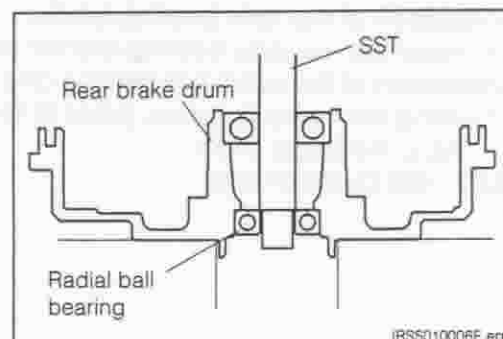
NOTE

- When the removal of the brake drum encounter with difficulty, use SST.

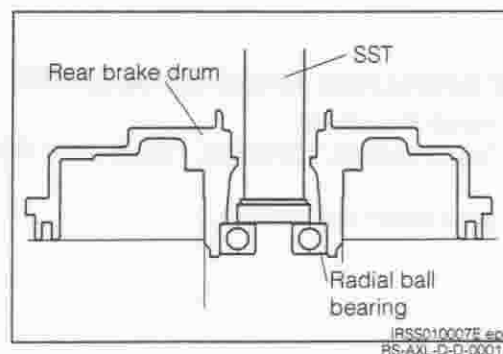
SST: 09510-87301-000



2. Removal of the radial ball bearing (the outer side)
 (1) Using the hydraulic press, remove the radial ball bearing from the brake drum.
 SST: 09301-87702-000



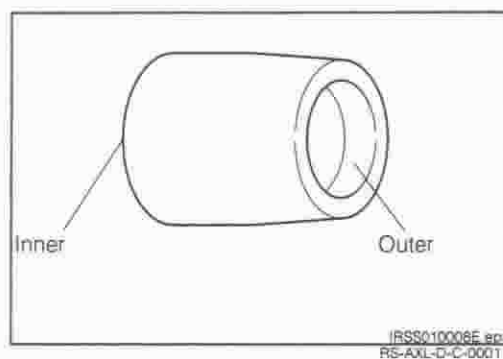
3. Removal of the radial ball bearing (the inner side)
 (1) Using the hydraulic press, remove the radial ball bearing from the brake drum.
 SST: 09237-87201-000



1-2-5 INSPECTION

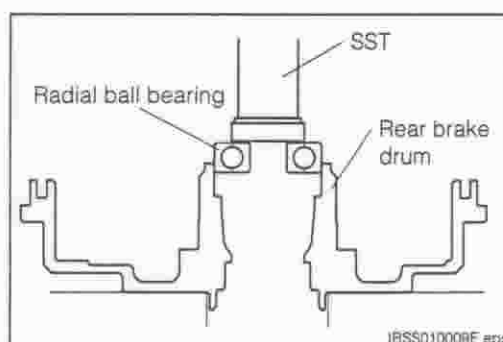
(1) REAR AXLE BEARING RETAINER

1. Check each portion for no abnormal condition.



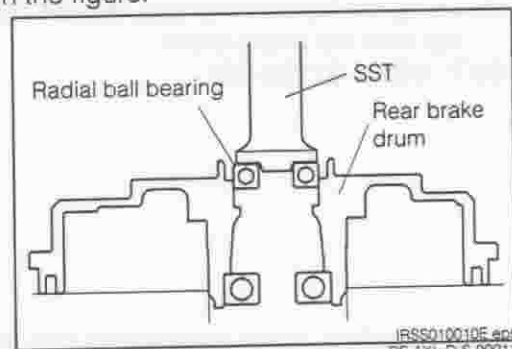
1-2-6 POINTS OF INSTALLATION

1. Installation of the radial ball bearing (the inner side)
 (1) Using the hydraulic press, press fit the radial ball bearing to the brake drum.
 SST: 09309-87201-000



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2. Installation of rear axle bearing retainer
(1) Install the rear axle bearing retainer to the direction shown in the figure.
3. Installation of the radial ball bearing (the outer side)
(1) Using the hydraulic press, press fit the radial ball bearing to the brake drum.
SST: 09515-87201-000



1-2-7 OPERATION AFTER INSTALLATION

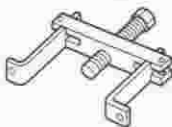
1. Install the wheel.
TIGHTENING TORQUE: $103.0 \pm 14.7 \text{ N}\cdot\text{m}$
2. Jack down the vehicle.

RS-AXL-D-A-00011

2 AXLE HOUSING

2-1 REMOVAL AND INSTALLATION

2-1-1 PREPARATION TOOLS

	Shape	Part number, part name	Use
SST		09510-87301-000 Puller, front hub & drum	For removal of brake drum
Tool	Slide hammer		
Instrument	Torque wrench		
Lubricant	Gear oil SAE 80W-90(API GL-5), Mp grease, Brake fluid FMVSS116DOT3 or SAEJ1703, Three Bond 1212, Three Bond		

RS-AXH-D-P-00011

2-1-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

- Keep the position of the jack up point to avoid causing the serious accident due to inclining of the vehicle.

2. Remove the wheel.
3. Drain the differential oil.
Refer to DF-2.

4. Separation of propeller shaft

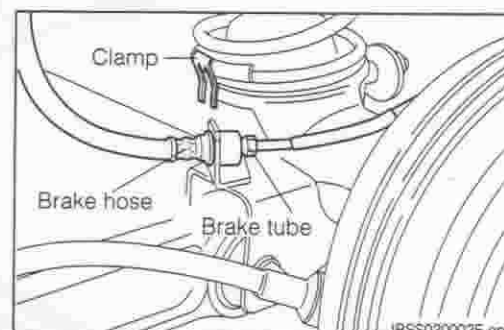
(1) Separate the propeller shaft Ay at the differential gear component side, and hang it on a vehicle.

CAUTION

- Be very careful not to apply load to the center support bearing and second joint section.

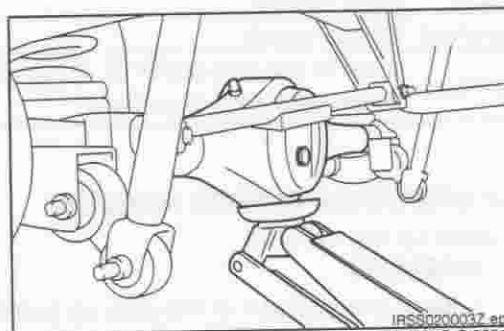
Refer to DPS-3.

5. Remove the rear speed sensor.
6. Remove the flexible hose and brake tube.

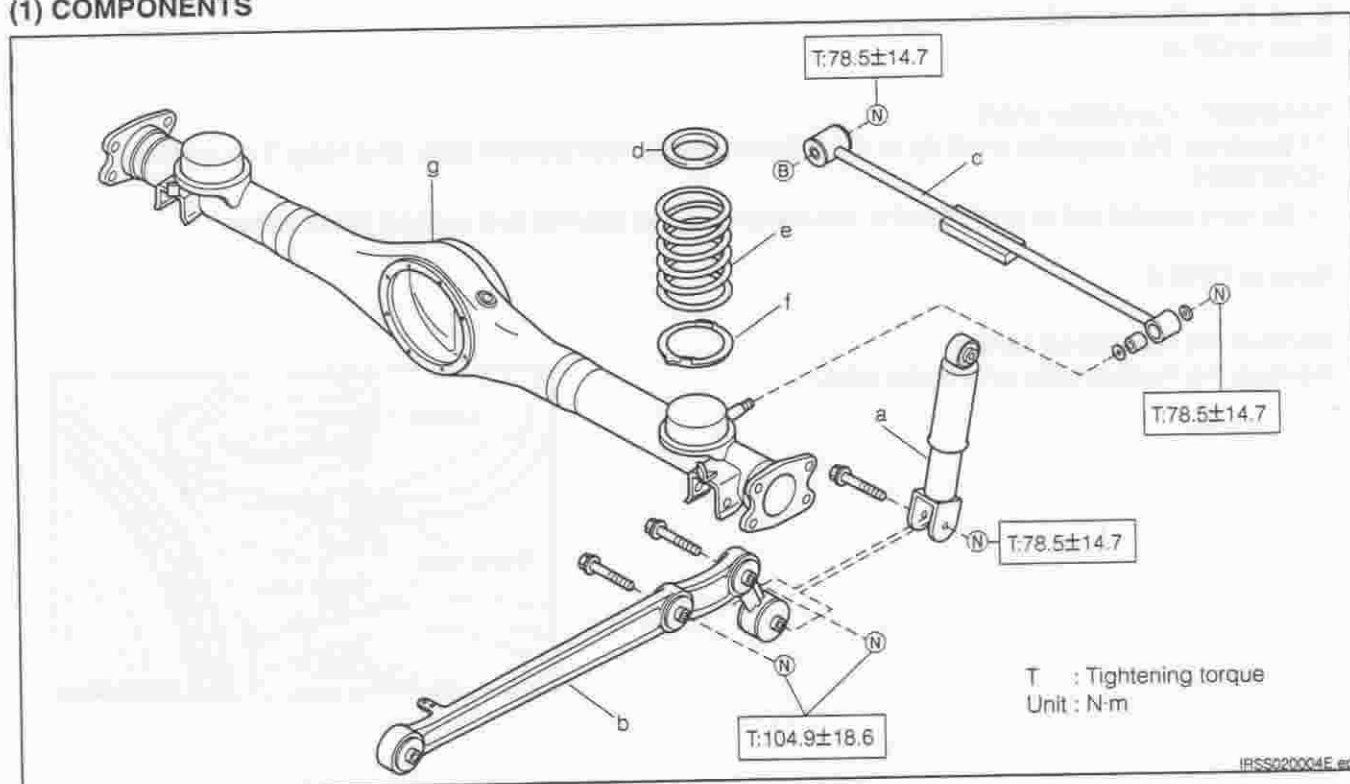


RS-8

7. Remove the brake drum.
Refer to BR-27.
8. Removal of backing plate
- (1) Remove the backing plate on the condition that drum brake is installed.
9. Remove the rear axle shaft.
Refer to BR-13.
10. Remove the differential carrier Ay together with the transfer rear drive clutch.
Refer to DF-12.
11. Support the rear axle housing Ay with the garage jack.



2-1-3 REMOVAL AND INSTALLATION PROCEDURES (1) COMPONENTS



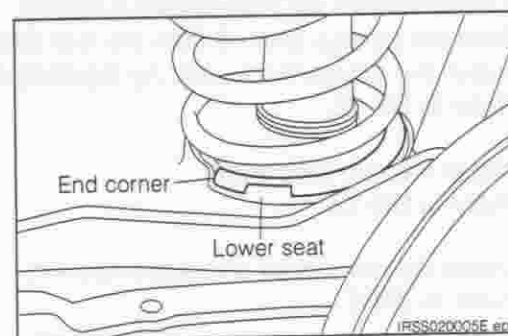
(2) REMOVAL AND INSTALLATION PROCEDURES

- | | | | | | | | |
|---|---|---|---------------------------|---|---|---|-----------------------|
| 1 | 7 | a | Absorber, shock rear | 6 | ② | f | Sheet, rear spring |
| 2 | ⑥ | b | Arm Ay, rear suspension | 7 | 1 | g | Housing Ay, rear axle |
| 3 | 5 | c | Rod Ay, lateral control | | | | |
| 4 | 4 | d | Sheet, rear spring, upper | | | | |
| 5 | ③ | e | Spring, coil rear | | | | |

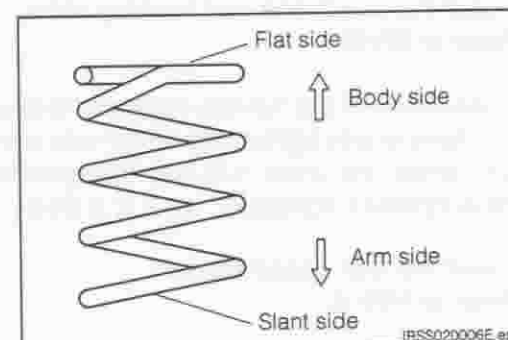
RS-AXH-D-T-00011

2-1-4 POINTS OF INSTALLATION

1. Installation of spring seat, rear coil spring
 - (1) Mating the contour of the groove of rear axle housing Ay with the spring seat, and install the spring seat to the spring in the rear axle housing.



2. Mating the groove of rear axle housing Ay with the spring end, and install the rear coil spring to the direction shown in the figure.



3. Installation of rear suspension arm
 - (1) Operating the garage jack, and lift the rear axle housing Ay to the height where the rear suspension arm is installed.
 - (2) Temporarily tighten the rear suspension arm.
4. Installation of shock absorber
 - (1) Temporarily tighten the shock absorber.

RS-AXH-D-S-00011

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2-1-5 OPERATION AFTER INSTALLATION

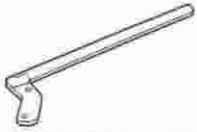
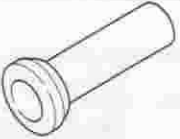
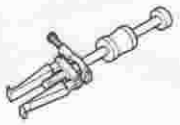
1. Take the garage jack off from the rear axle Ay.
2. Install the differential carrier Ay together with the transfer rear drive clutch.
Refer to DF-12.
3. Install the rear axle shaft.
Refer to BR-13.
4. Install the rear brake and backing plate.
Refer to BR-6.
5. Install the rear brake and backing plate.
Refer to BR-27.
6. Connection of the flexible hose and brake tube
 - (1) Temporarily tighten the union nuts with hand till the flare portion of the tube coheres to the seat.
 - (2) Tighten the union nuts with the specified torque.**TIGHTENING TORQUE: $15.2 \pm 2.5\text{N}\cdot\text{m}$**
7. Install the rear speed sensor.
Refer to ABS-8.
8. Install the propeller shaft Ay.
CAUTION
 - Be very careful not to apply the load to the center support bearing and second joint portion.
Refer to DPS-26
9. Fill the differential oil.
Refer to DF-2.
10. Install the wheel.
TIGHTENING TORQUE: $103.0 \pm 14.7\text{N}\cdot\text{m}$
11. Jack down the vehicle.
12. Rock the vehicle in an up-and-down direction so as to settle the suspension.
13. Tighten every portion with the specified torque on the condition vehicle is loaded.
14. Filling brake fluid
Refer to BR-2.

RS-AXH-D-A-00011

3 AXLE SHAFT

3-1 REMOVAL AND INSTALLATION

3-1-1 PREPARATION TOOLS

	Shape	Part number , part name	Use
SST		09511-87201-000 Puller, front hub & drum	For removal of brake drum
		09310-87301-000 Replacer, transmission bearing	For installation of bearing
		09515-21010-000 Replacer, rear axle shaft bearing	For installation of bearing
		09308-00010-000 Puller, oil seal	For removal of oil seal
		09517-12010-000 Replacer, oil seal	For installation of oil seal
Tool	Slide hammer		
Instrument	Dial gauge, Torque wrench, V-block		
Lubricant	Gear oil SAE 80W-90(API GL-5), Mp grease, Brake fluid FMVSS116DOT3 or SAEJ1703, Three Bond 1212, Three Bond 1104		

RS-AXS-D-P-00011

RS-12

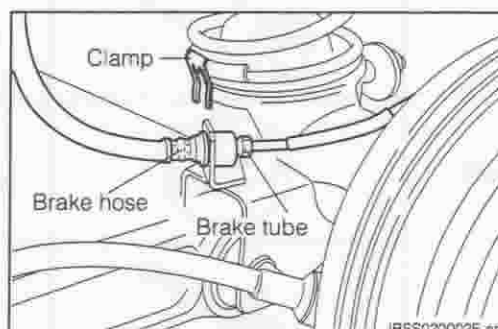
3-1-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

- Keep the position of the jack up point to avoid causing the serious accident due to inclining of the vehicle.

2. Remove the wheel.
3. Drain the differential oil.
Refer to DF-2.
4. Remove the rear speed sensor.
5. Separate the flexible hose and brake tube.

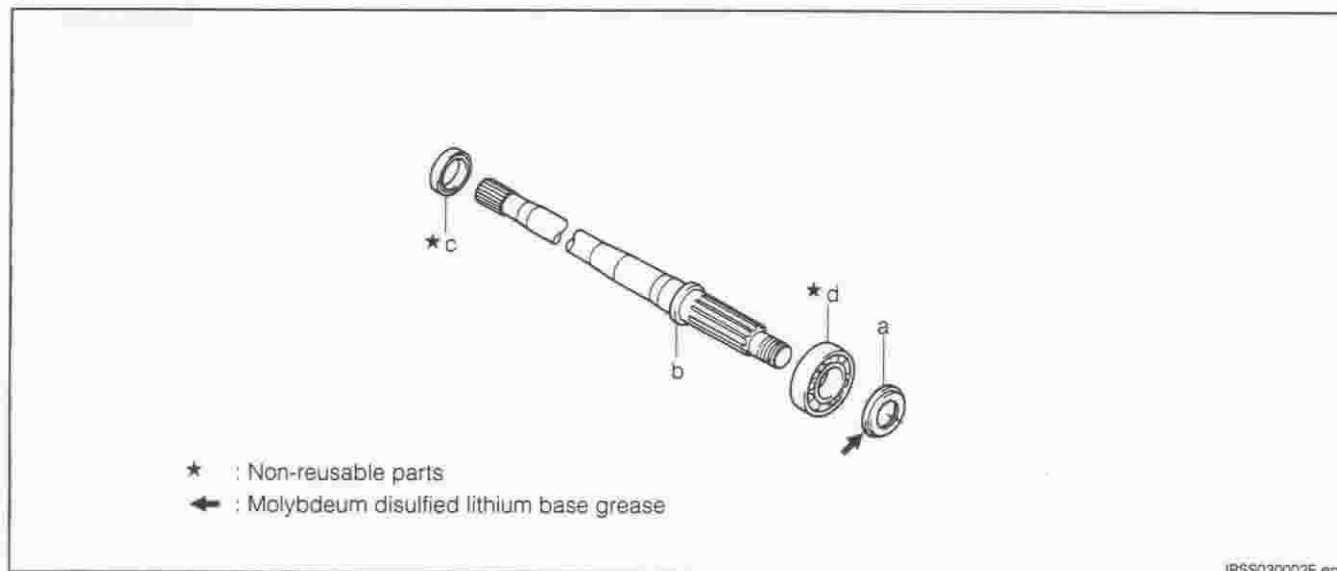


6. Remove the brake drum.
Refer to BR-27.
7. Removal of backing plate
(1) Remove the backing plate on the condition that drum brake is installed.
Refer to BR-37.

RS-AXS-D-B-00011

3-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



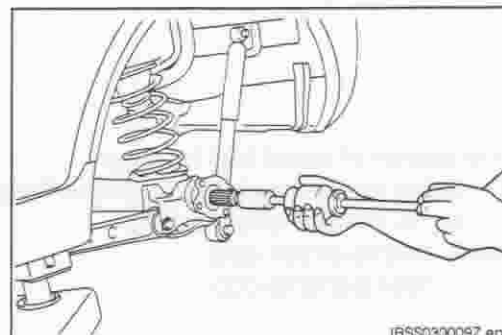
(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 4 a Spacer, rear axle shaft
- 2 3 b Shaft, rear axle
- ③ ② c Seal
- ④ ① d Bearing

3-1-4 POINTS OF REMOVAL

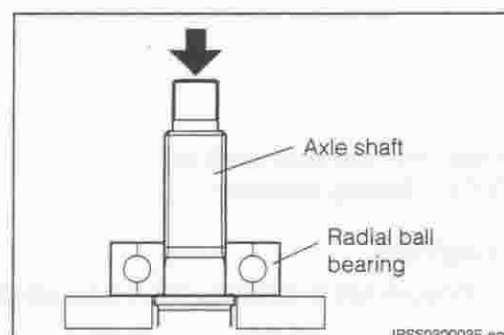
1. Removal of rear axle shaft.

TOOL: Sliding Hammer



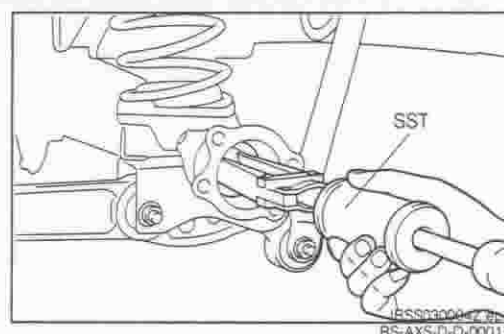
2. Removal of radial ball bearing

(1) Using the hydraulic press, remove the radial ball bearing from the rear axle shaft.



3. Remove the T type oil seal.

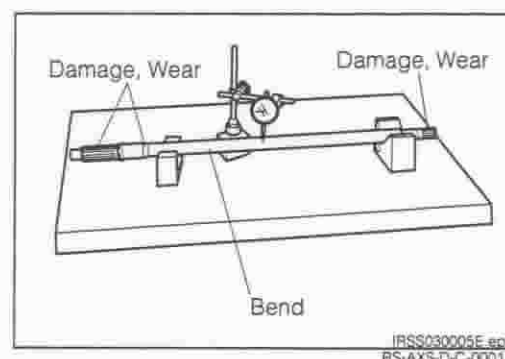
SST: 09308-00010-000



3-1-5 INSPECTION

(1) REAR AXLE SHAFT

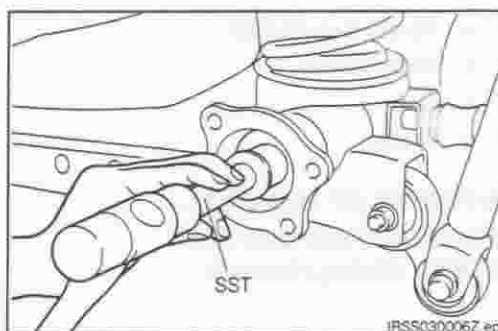
1. Check each portion for no abnormal condition.



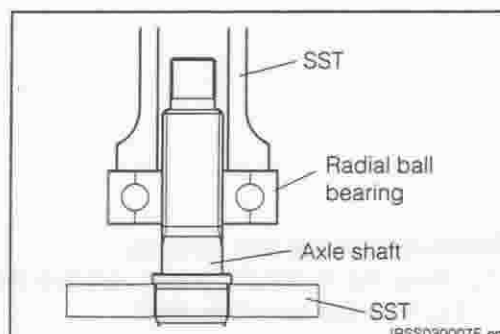
RS-14

3-1-6 POINTS OF INSTALLATION

1. Installation of T type oil-seal
 - (1) Remove the grease adhered at the fitting surface of the bearing and the oil seal of the rear axle housing the end portion.
 - (2) Install the T type oil-seal.SST: 09517-12010-000



2. Installation of radial ball bearing
 - (1) Using the hydraulic press, press fit the radial ball bearing to the rear axle shaft Ay.SST: 09310-87301-000
09515-21010-000

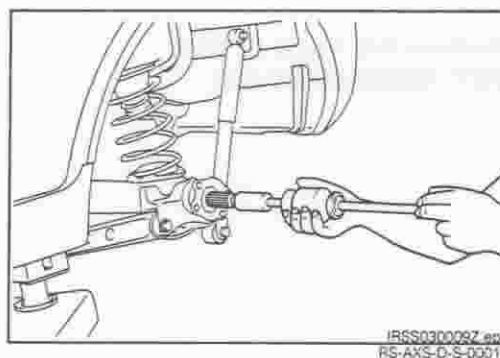


3. Install the rear axle shaft Ay.
TOOL: Sliding Hammer

CAUTION

- Ensure not to damage the T type oil-seal during the insertion of the rear axle shaft.

- (1) Be sure that the rear axle shaft Ay rotate lightly.



3-1-7 OPERATION AFTER INSTALLATION

1. Install the rear brake and backing plate.
Refer to BR-37.
2. Install the brake drum.
Refer to BR-27.
3. Connection of the flexible-hose and brake tube
(1) Temporarily tighten the union nuts with hand till the flare portion of the tube coheres to the seat.
(2) Tighten the union nuts with the specified torque.
TIGHTENING TORQUE: $15.2 \pm 2.5\text{N}\cdot\text{m}$
4. Install the rear speed sensor.
Refer to ABS-8.
5. Fill the differential oil.
Refer to DF-2.
6. Install the wheel.
TIGHTENING TORQUE: $103.0 \pm 14.7\text{N}\cdot\text{m}$
7. Jack down the vehicle.
8. Fill the brake fluid.
9. Perform air bleeding of the brake system.

RS-AXS-D-A-00011



RS-16

4 COIL SPRING (2WD)

4-1 REMOVAL AND INSTALLATION

4-1-1 PREPARATION TOOLS

Instrument	Torque wrench
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RS-CSP-D-P-00011

4-1-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

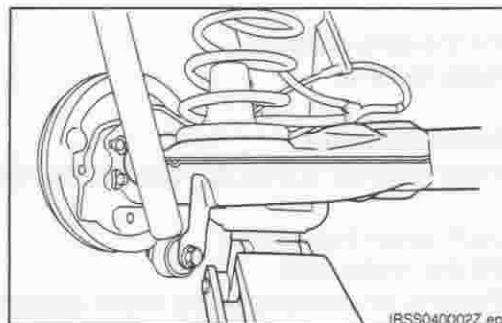
- Keep the position of the jack up point to avoid causing the serious accident due to inclining of the vehicle.

2. Remove the wheel.

3. Support the rear suspension No.1 arm with the garage jack.

CAUTION

- Ensure to apply the garage jack to the trailing arm portion.
- Never apply the garage jack to the bracket portion of the shock absorber and the torsion beam of the shock absorber to avoid the deformation.



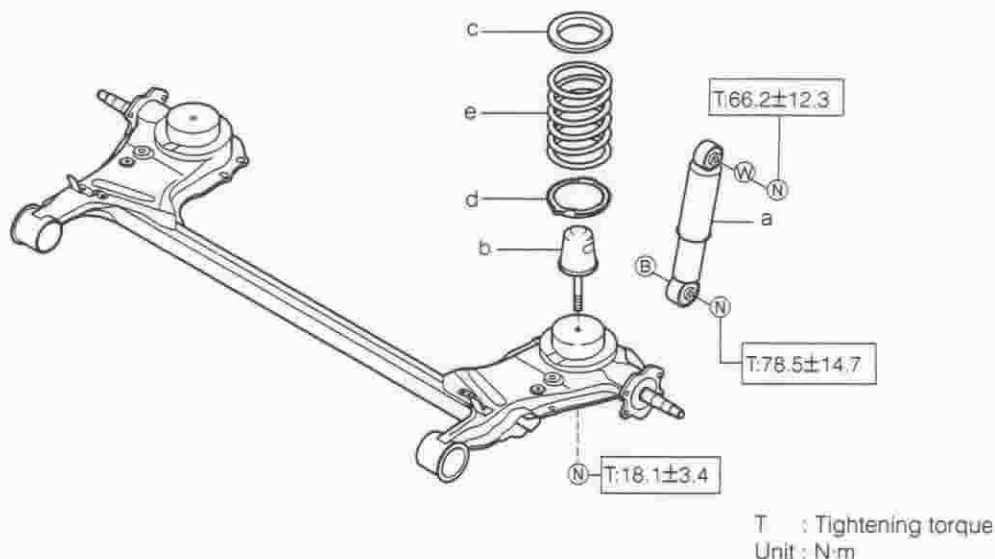
IRSS0400027.eps

4. Release the clamp of the flexible hose on body side.

RS-CSP-D-B-00011

4-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



IRSS040003E.eps

(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 ⑤ a Absorber, shock rear
- 2 3 b Bumper, rear spring
- 3 4 c Sheet, rear spring upper
- 4 ① d Sheet, rear spring
- ⑤ ② e Spring, coil rear

RS-CSP-D-T-00011

4-1-4 POINTS OF REMOVAL

1. Removal of the coil spring
 - (1) Remove the rear spring bumper and keep in the coil spring.
 - (2) Lower the garage jack slowly, and remove the coil spring.

CAUTION

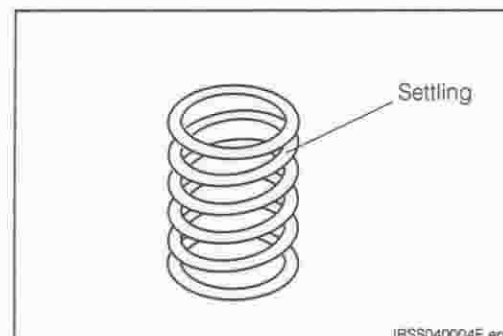
- Ensure not to damage the flexible hose when lower the garage jack.

RS-CSP-D-D-00011

4-1-5 INSPECTION

(1) REAR COIL SPRING

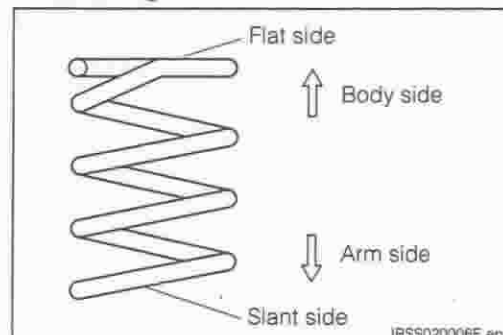
1. Check each portion for no abnormal condition.



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RS-CSP-D-C-00011

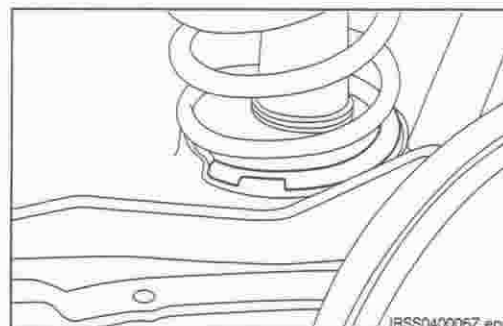
4-1-6 POINTS OF INSTALLATION

1. Installation of the spring seat
 - (1) Install the spring seat to the spring with mating the contour of the spring seat.
2. Installation of rear coil spring and rear spring bumper
 - (1) Put the the rear coil spring to the rear suspension No. 1 arm together with the rear spring bumper in the direction shown in the figure.



IRSS020006E.eps

- (2) Install the spring bumper to the rear suspension No.1 arm.
- (3) Mate the groove of the rear suspension No.1 arm with end of the coil spring.



IRSS040005Z.eps

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3. Installation of rear shock absorber
 - (1) Operating the garage jack, and lift the rear suspension No.1 arm to the height where the rear shock absorber can be installed.
 - (2) Temporarily tighten the shock absorber.

RS-CSP-D-S-00011

4-1-7 OPERATION AFTER INSTALLATION

1. Install the flexible hose.
2. Take the garage jack off from the rear suspension No.1 arm.
3. Install the wheel.

TIGHTENING TORQUE: $103.0 \pm 14.7\text{N}\cdot\text{m}$
4. Jack down the vehicle.
5. Rock the vehicle in an up-and-down direction so as to settle the suspension.
6. Tighten every portion with the specified torque on the condition vehicle is loaded.

RS-CSP-D-A-00011



5 COIL SPRING (4WD)

5-1 REMOVAL AND INSTALLATION

5-1-1 PREPARATION TOOLS

Instrument	Torque wrench
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RS-CS4-D-P-00021

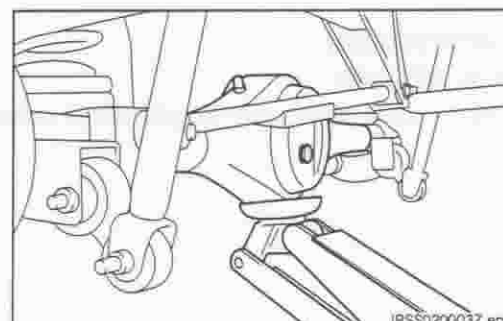
5-1-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

- Keep the position of the jack up point to avoid causing the serious accident due to inclining of the vehicle.

2. Remove the wheel.
3. Support the rear axle housing Ay with the garage jack.

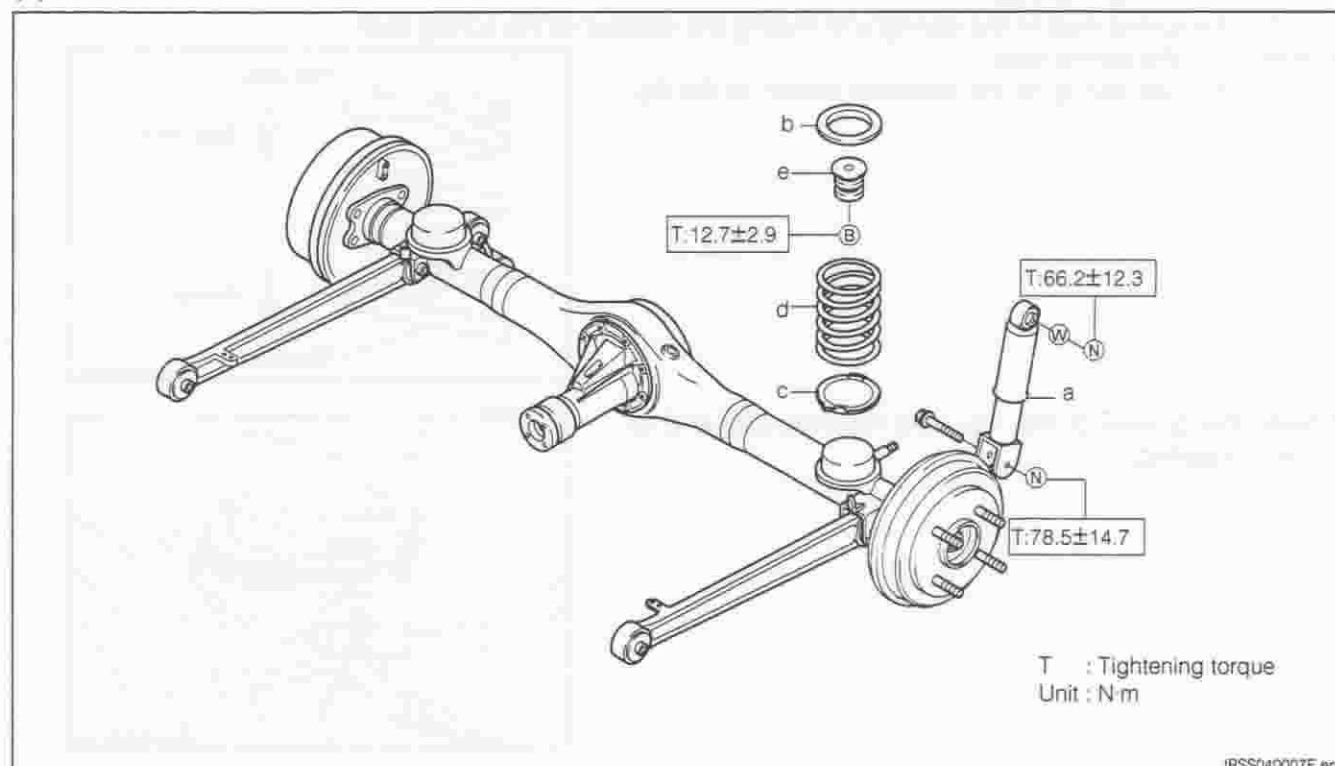


4. Release the body side clamp of the flexible hose.

RS-CS4-D-B-00021

5-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



RS-20

(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 5 a Absorber, shock rear
- 2 4 b Sheet, rear spring upper
- 3 ③ c Sheet, rear spring
- ④ ② d Spring, coil rear
- 5 1 e Bumper, rear spring

RS-CS4-D-T-00021

5-1-4 POINTS OF REMOVAL

1. Removal of the coil spring
 - (1) Lower the garage jack slowly, and remove the coil spring.

CAUTION

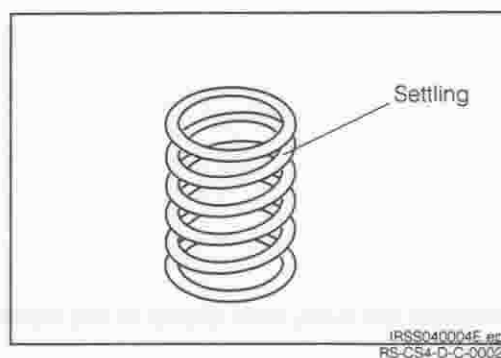
- Ensure not to damage the flexible hose when lower the garage jack.

RS-CS4-D-D-00021

5-1-5 INSPECTION

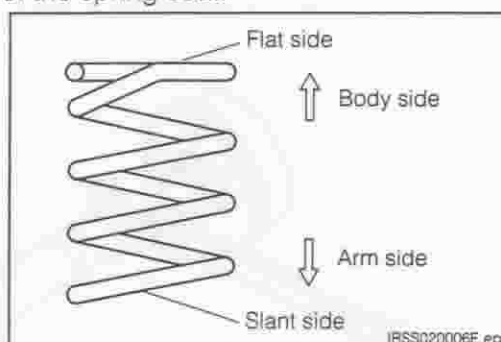
(1) COIL SPRING

1. Check each portion for no abnormal condition.

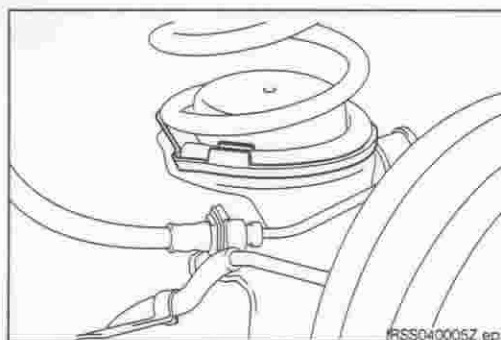


5-1-6 POINTS OF INSTALLATION

1. Installation of the spring seat
 - (1) Install the spring seat to the spring with mating the contour of the spring seat.
2. Installation of the spring seat
 - (1) Install the coil spring to the direction shown in the figure.



- (2) Mate the groove of the rear axle housing with end of the coil spring.



3. Installation of rear shock absorber

- (1) Operating the garage jack, and lift up the rear axle housing Ay to the height where the rear shock absorber can be installed.
- (2) Temporarily tighten the shock absorber.

RS-CS4-D-S-00021

5-1-7 OPERATION AFTER INSTALLATION

1. Take the garage jack off from the rear axle housing Ay.
2. Install the wheel.

TIGHTENING TORQUE: $103.0 \pm 14.7\text{N}\cdot\text{m}$

3. Jack down the vehicle.
4. Rock the vehicle in an up-and-down direction so as to settle the suspension.
5. Tighten every portion with the specified torque on the condition vehicle is loaded.

RS-CS4-D-A-00021



RS-22

6 SHOCK ABSORBER (2WD)

6-1 REMOVAL AND INSTALLATION

6-1-1 PREPARATION TOOLS

Instrument	Torque wrench
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RS-SA-D-P-00011

6-1-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

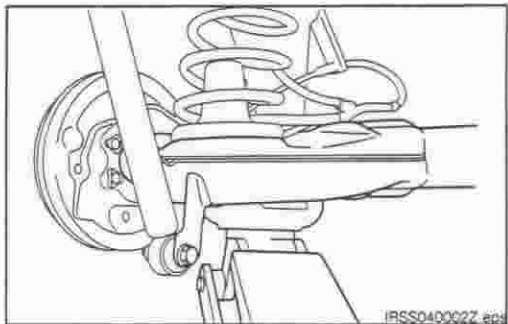
- Keep the position of the jack up point to avoid causing the serious accident due to inclining of the vehicle.

2. Remove the wheel.

3. Support the rear suspension No.1 arm with the garage jack.

CAUTION

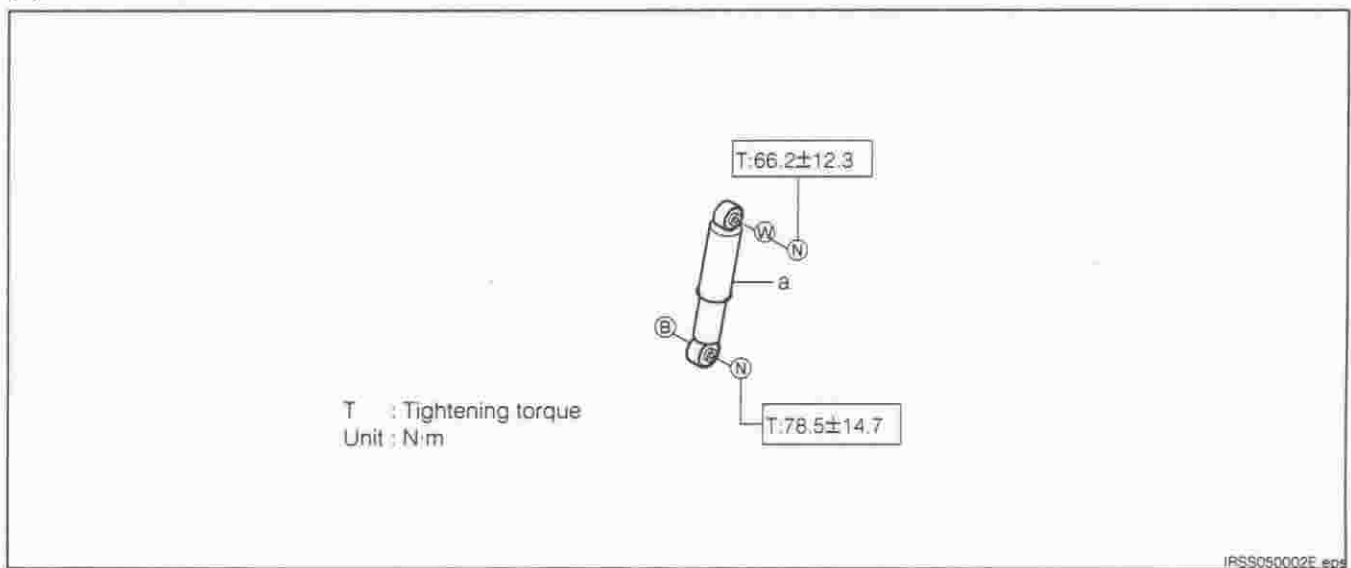
- Ensure to apply the garage jack to the trailing arm portion.
- Never apply the garage jack to the bracket portion of the shock absorber and the torsion beam of the shock absorber to avoid the deformation.



IRSS0400022.eps
RS-SA-D-B-00011

6-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 ① a Absorber, shock rear

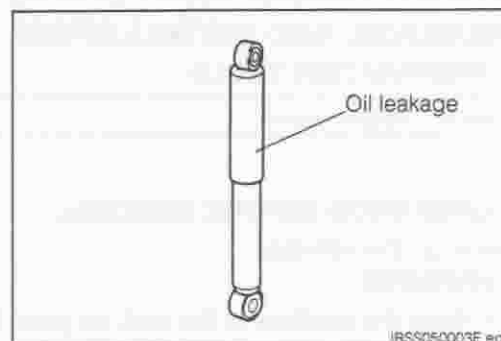
RS-SA-D-T-00011

6-1-4 INSPECTION

(1) SHOCK ABSORBER

1. Check the state by expanding and compressing the shock absorber.

SPECIFIED VALUE: It shall be expanded and compressed with constant rate.
There shall be no abnormal noise.
Check each portion for no abnormal condition.



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RS-SA-D-C-00011

6-1-5 POINTS OF INSTALLATION

1. Installation of shock absorber
 - (1) Lift up the garage jack slowly to the height where the shock absorber can be installed.
 - (2) Install the shock absorber and temporarily tighten it.

RS-SA-D-S-00011

6-1-6 OPERATION AFTER INSTALLATION

1. Take the garage jack off from the rear suspension No.1 arm.
2. Install the wheel.
TIGHTENING TORQUE: $103.0 \pm 14.7\text{N}\cdot\text{m}$
3. Jack down the vehicle.
4. Rock the vehicle in an up-and-down direction so as to settle the suspension.
5. Tighten every portion with the specified torque on the condition vehicle is loaded.

RS-SA-D-A-00011

RS-24

7 SHOCK ABSORBER (4WD)

7-1 REMOVAL AND INSTALLATION

7-1-1 PREPARATION TOOLS

Instrument	Torque wrench
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RS-S4-D-P-00021

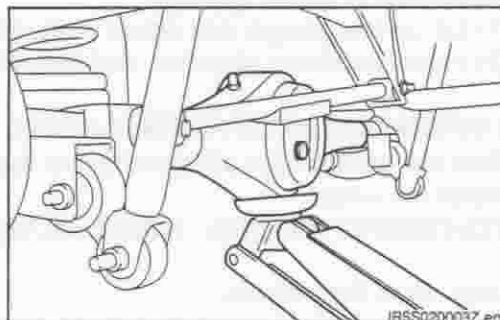
7-1-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

- Keep the position of the jack up point to avoid causing the serious accident due to inclining of the vehicle.

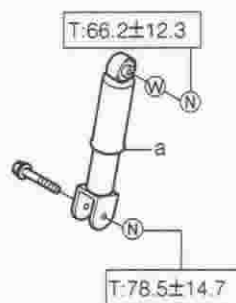
2. Remove the wheel.
3. Support the rear axle housing Ay with the garage jack.



IRSS020003Z.eps
RS-S4-D-B-00021

7-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



T : Tightening torque
Unit : N·m

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(2) REMOVAL AND INSTALLATION PROCEDURES

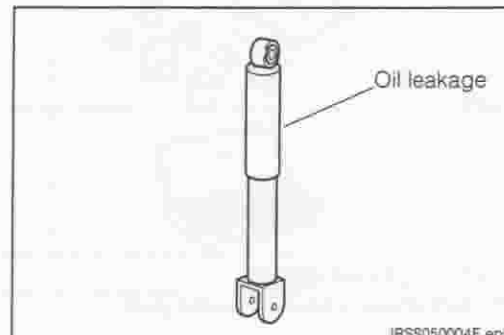
- 1 ① a Absorber, shock rear

RS-S4-D-T-00021

7-1-4 INSPECTION

(1) SHOCK ABSORBER

1. Check the state by expanding and compressing the shock absorber.
SPECIFIED VALUE: It shall be expanded and compressed with constant rate.
There shall be no abnormal noise.
2. Check each portion for no abnormal condition.



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RS-S4-D-C-00021

7-1-5 POINTS OF INSTALLATION

1. Installation of shock absorber
 - (1) Lift up the garage jack slowly to the height where the shock absorber can be installed.
 - (2) Install the shock absorber and temporarily tighten it.

RS-S4-D-S-00021

7-1-6 OPERATION AFTER INSTALLATION

1. Take the garage jack off from the rear axle housing Ay.
2. Install the wheel.
TIGHTENING TORQUE: $103.0 \pm 14.7\text{N}\cdot\text{m}$
3. Jack down the vehicle.
4. Rock the vehicle in an up-and-down direction so as to settle the suspension.
5. Tighten every portion with the specified torque on the condition vehicle is loaded.

RS-S4-D-A-00021



RS-26

8 REAR SUSPENSION ARM (2WD)

8-1 REMOVAL AND INSTALLATION

8-1-1 PREPARATION TOOLS

	Shape	Part number, part name	Use
SST		*09710-28012-000 Tool set, front suspension bush	For removal/installation of bush
		09950-20017-000 Puller, universal	For removal/installation of bush
Tool	Torque wrench		

The "*" mark shows a newly provided part.

RS-SAM-D-P-00011

8-1-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

- Keep the position of the jack up point to avoid causing the serious accident due to inclining of the vehicle.

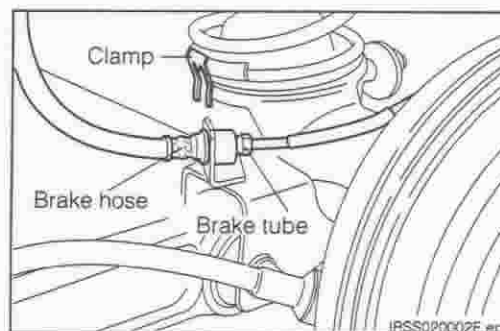
2. Remove the wheel.

3. Support the rear suspension No.1 arm with the garage jack.

CAUTION

- Ensure to apply the garage jack to the trailing arm portion.
- Never apply the garage jack to the bracket portion of the shock absorber and the torsion beam of the shock absorber to avoid the deformation.

4. Remove the rear speed sensor.
5. Separation of flexible hose and brake tube



6. Remove the brake drum,
Refer to BR-27.

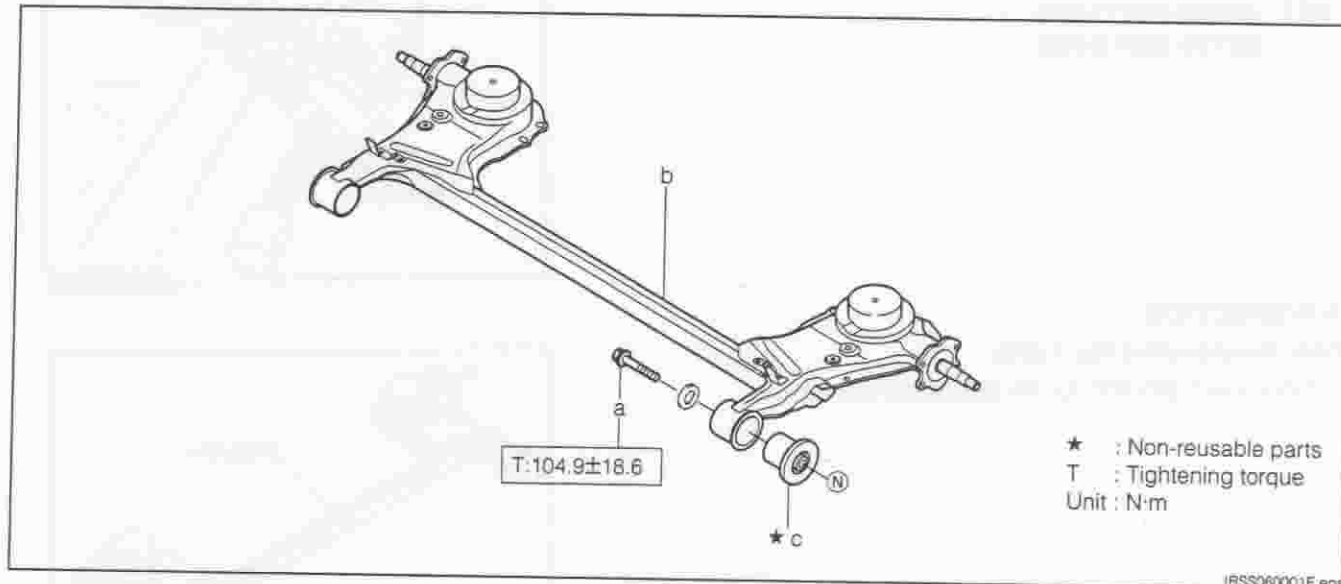
7. Removal of backing plate

(1) Remove the backing plate on the condition that drum brake is installed.

RS-SAM-D-B-00011

8-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 3 a Bolt S/A, trailing arm set
- 2 ② b Arm Ay, rear suspension No.1
- ③ ① c Bush, lower control

8-1-4 POINTS OF REMOVAL

1. Removal of lower control arm bush

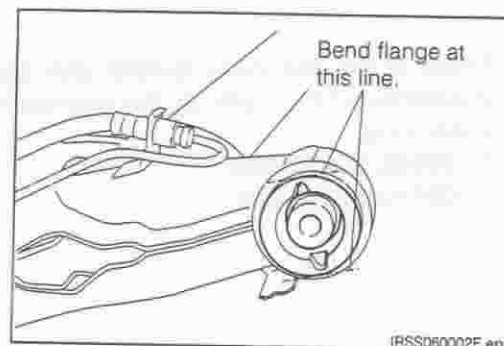
(1) Deform the flange portion of the lower control arm bush using the chisel or the like within the level that the claw portion of SST is able to catch the rear suspension No.1 arm.

NOTE

- The flange portion of the lower control arm bush may be cut off using the saw for the metal or the like.

CAUTION

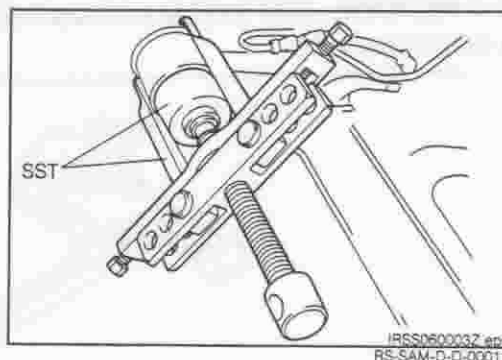
- Ensure not to damage the rear suspension No.1 arm.



RS-28

- (2) Remove the lower control arm bush from the rear suspension No.1 arm.

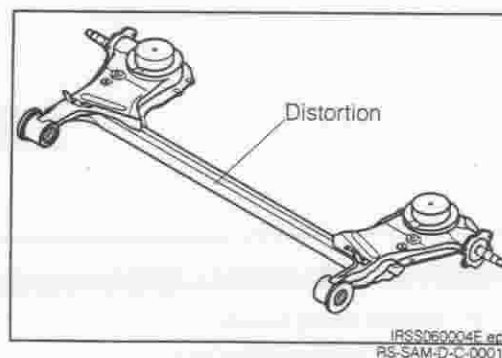
SST: 09950-20017-000
09710-28012-000



8-1-5 INSPECTION

(1) Rear suspension No.1 arm

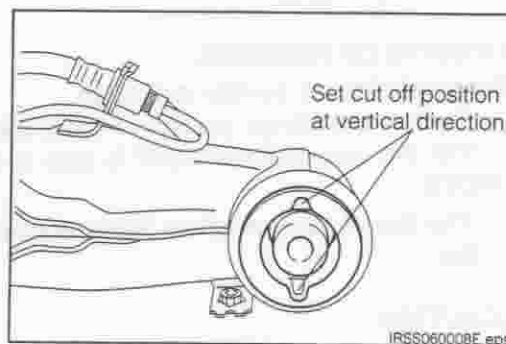
1. Check each portion for no abnormal condition.



8-1-6 POINTS OF INSTALLATION

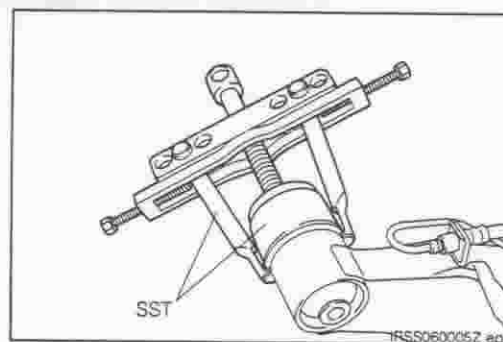
1. Installation of lower control arm bush

- (1) Push the lower control arm bush into the rear suspension No. 1 arm by hand to the direction shown in the figure.



- (2) Press fit the the lower control arm bush into the rear suspension No. 1 arm by the way such as pushing the outer tube.

SST: 09950-20017-000
09710-28012-000



2. Installation of rear suspension No.1 arm

- (1) Temporarily tighten the rear suspension No.1 arm.

RS-SAM-D-S-00011

8-1-7 OPERATION AFTER INSTALLATION

1. Install the rear brake and backing plate.
Refer to BR-37.

2. Install the brake drum.
Refer to BR-27.

3. Connection of the flexible-hose and brake tube

(1) Temporarily tighten the union nuts with hand till the flare portion of the tube coheres to the seat.
(2) Tighten the union nuts with the specified torque.

TIGHTENING TORQUE: $15.2 \pm 2.5 \text{ N}\cdot\text{m}$

4. Take the garage jack off from the rear suspension No.1 arm.

5. Install the wheel.

TIGHTENING TORQUE: $103.0 \pm 14.7 \text{ N}\cdot\text{m}$

6. Jack down the vehicle.

7. Rock the vehicle in an up-and-down direction so as to settle the suspension.

8. Tighten every portion with the specified torque on the condition vehicle is loaded.

RS-SAM-D-A-00011



RS-30

9 REAR SUSPENSION ARM (4WD)

9-1 REMOVAL AND INSTALLATION

9-1-1 PREPARATION TOOLS

Instrument	Torque wrench
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RS-SA4-D-P-00021

9-1-2 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

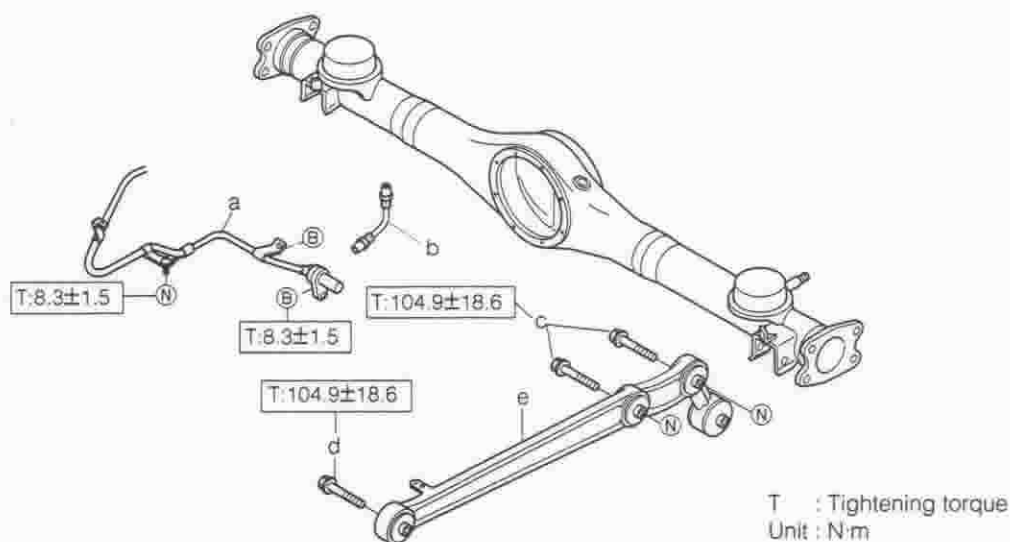
- Keep the position of the jack up point to avoid causing the serious accident due to inclining of the vehicle.

2. Remove the wheel.
3. Support the rear axle housing Ay with the garage jack.
4. Separation of the rear shock absorber and rear axle housing Ay

RS-SA4-D-B-00021

9-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



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(2) REMOVAL AND INSTALLATION PROCEDURES

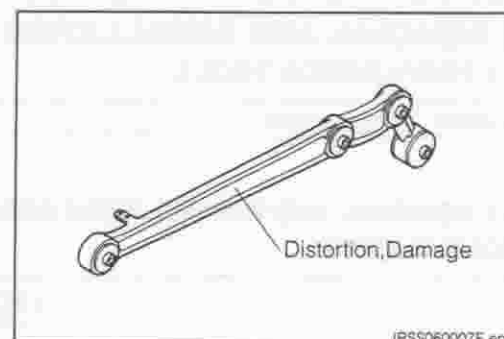
- | | | | |
|---|---|---|-----------------------------------|
| 1 | 5 | a | Speed sensor, rear |
| 2 | 4 | b | Hose, flexible |
| 3 | 3 | c | Shaft, lower arm |
| 4 | 2 | d | Shaft, rear suspension lower No.1 |
| 5 | ① | e | Arm Ay, rear suspension |

RS-SA4-D-T-00021

9-1-4 INSPECTION

(1) REAR SUSPENSION ARM

1. Check each portion for no abnormal condition.



/RSS060007E.ep3
RS-SA4-D-C-00021

9-1-5 POINTS OF INSTALLATION

1. Installation of rear suspension arm
(1) Temporarily tighten the rear suspension arm.

RS-SA4-D-S-00021

9-1-6 OPERATION AFTER INSTALLATION

1. Temporarily tighten the rear shock absorber with the rear axle housing Ay.
2. Remove the garage jack from the rear axle Ay.
3. Install the wheel.
TIGHTENING TORQUE: $103.0 \pm 14.7\text{N}\cdot\text{m}$
4. Jack down the vehicle.
5. Rock the vehicle in an up-and-down direction so as to settle the suspension.
6. Tighten every portion with the specified torque on the condition vehicle is loaded.

RS-SA4-D-A-00021



RS-32

10 LATERAL CONTROL ROD

10-1 REMOVAL AND INSTALLATION

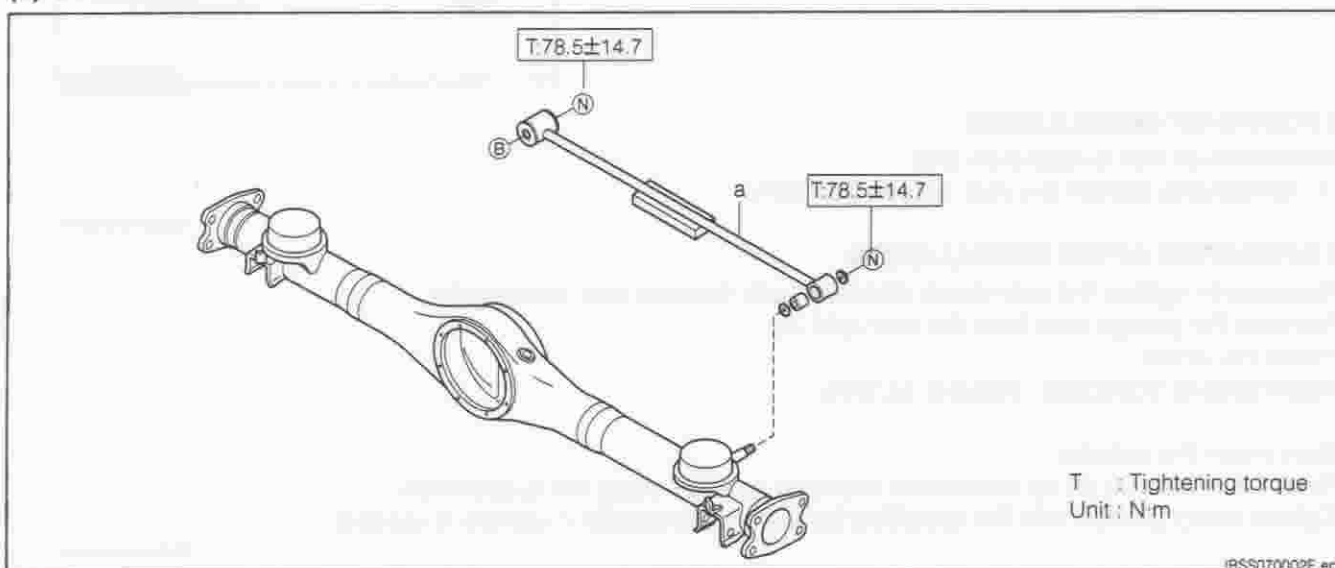
10-1-1 PREPARATION TOOLS

Instrument Torque wrench

RS-LAT-D-P-00011

10-1-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 ① a Rod Ay, lateral control

RS-LAT-D-T-00011

10-1-3 OPERATION BEFORE REMOVAL

1. Jack up the vehicle.

WARNING

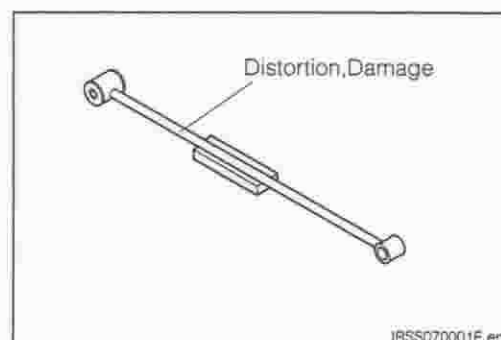
- Keep the position of the jack up point to avoid causing the serious accident due to inclining of the vehicle.

RS-LAT-D-B-00011

10-1-4 INSPECTION

(1) LATERAL CONTROL ROD

1. Check each portion for no abnormal condition.



10-1-5 POINTS OF INSTALLATION

1. Installation of lateral control rod
 - (1) Temporarily tighten the lateral control rod.

RS-LAT-D-S-00011

10-1-6 OPERATION AFTER INSTALLATION

1. Jack down the vehicle.
2. Rock the vehicle in an up-and-down direction so as to settle the suspension.
3. Tighten every portion with the specified torque on the condition vehicle is loaded.

RS-LAT-D-A-00011

RS-34

11 TIGHTENING TORQUE

Tightening components			N·m	kgf·cm
Castle nut	X	Rear suspension arm No.1	68.8 ± 10	700 ± 100
Castle nut	X	Rear axle shaft	216 ± 39	2200 ± 400
Shock absorber	X	Body	66.2 ± 12.3	675 ± 125
Shock absorber	X	Rear suspension arm No.1	78.5 ± 14.7	800 ± 150
Shock absorber	X	Rear axle housing	66.2 ± 12.3	675 ± 125
Rear spring bumper	X	Rear suspension arm (2WD)	18.1 ± 3.4	185 ± 35
Rear spring bumper	X	Body (4WD)	12.7 ± 2.9	130 ± 30
Rear suspension arm No.1	X	Body	104.9 ± 18.6	1070 ± 190
Rear suspension arm	X	Rear axle housing	107.8 ± 19.6	1100 ± 200
Rear suspension arm	X	Body	104.9 ± 18.6	1070 ± 190
lateral control rod	X	Rear axle housing	78.5 ± 14.7	800 ± 150
lateral control rod	X	Body	78.5 ± 14.7	800 ± 150

RS-TQE-Z-Z-00011