RSU

G

Н

Κ

L

M

D

CONTENTS

Precautions PREPARATION Special Service Tools Commercial Service Tools NOISE, VIBRATION AND HARSHNESS (NVH) TROUBLESHOOTING NVH Troubleshooting Chart REAR SUSPENSION ASSEMBLY Components On-Vehicle Inspection and Service Wheel Alignment Inspection DESCRIPTION PRELIMINARY INSPECTION CAMBER INSPECTION TOE-IN Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY ASSEMBLY	PRECAUTIONS	2
Special Service Tools Commercial Service Tools NOISE, VIBRATION AND HARSHNESS (NVH) TROUBLESHOOTING NVH Troubleshooting Chart REAR SUSPENSION ASSEMBLY Components On-Vehicle Inspection and Service Wheel Alignment Inspection DESCRIPTION PRELIMINARY INSPECTION CAMBER INSPECTION TOE-IN Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY	Precautions	2
Commercial Service Tools NOISE, VIBRATION AND HARSHNESS (NVH) TROUBLESHOOTING NVH Troubleshooting Chart REAR SUSPENSION ASSEMBLY Components On-Vehicle Inspection and Service Wheel Alignment Inspection DESCRIPTION PRELIMINARY INSPECTION CAMBER INSPECTION TOE-IN Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY	PREPARATION	3
NOISE, VIBRATION AND HARSHNESS (NVH) TROUBLESHOOTING NVH Troubleshooting Chart REAR SUSPENSION ASSEMBLY Components On-Vehicle Inspection and Service Wheel Alignment Inspection DESCRIPTION PRELIMINARY INSPECTION CAMBER INSPECTION TOE-IN Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY		
TROUBLESHOOTING NVH Troubleshooting Chart REAR SUSPENSION ASSEMBLY Components On-Vehicle Inspection and Service Wheel Alignment Inspection DESCRIPTION PRELIMINARY INSPECTION CAMBER INSPECTION TOE-IN Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY		3
NVH Troubleshooting Chart REAR SUSPENSION ASSEMBLY Components On-Vehicle Inspection and Service Wheel Alignment Inspection DESCRIPTION PRELIMINARY INSPECTION CAMBER INSPECTION TOE-IN Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY	NOISE, VIBRATION AND HARSHNESS (NVH)	
REAR SUSPENSION ASSEMBLY Components On-Vehicle Inspection and Service Wheel Alignment Inspection DESCRIPTION PRELIMINARY INSPECTION CAMBER INSPECTION TOE-IN Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY		
Components On-Vehicle Inspection and Service Wheel Alignment Inspection DESCRIPTION PRELIMINARY INSPECTION CAMBER INSPECTION TOE-IN Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY		
On-Vehicle Inspection and Service Wheel Alignment Inspection DESCRIPTION PRELIMINARY INSPECTION CAMBER INSPECTION TOE-IN Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY	REAR SUSPENSION ASSEMBLY	5
Wheel Alignment Inspection 6 DESCRIPTION 6 PRELIMINARY INSPECTION 6 CAMBER INSPECTION 6 TOE-IN 7 Removal and Installation 7 REMOVAL 7 INSTALLATION 7 Removal and Installation 7 SHOCK ABSORBER 7 Removal and Installation 7 REMOVAL 7 INSTALLATION 7 Disassembly and Assembly 7 DISASSEMBLY 7 INSPECTION AFTER DISASSEMBLY	Components	5
DESCRIPTION	On-Vehicle Inspection and Service	6
PRELIMINARY INSPECTION CAMBER INSPECTION TOE-IN Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY	Wheel Alignment Inspection	6
CAMBER INSPECTION		
TOE-IN Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY		
Removal and Installation REMOVAL SINSTALLATION SHOCK ABSORBER SEMOVAL SINSTALLATION SHOCK ABSORBER SEMOVAL SINSTALLATION SINSTALLATION SINSSEMBLY SINSPECTION AFTER DISASSEMBLY		
REMOVAL INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY	TOE-IN	7
INSTALLATION SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY	Removal and Installation	8
SHOCK ABSORBER Removal and Installation REMOVAL INSTALLATION Disassembly and Assembly DISASSEMBLY INSPECTION AFTER DISASSEMBLY		
Removal and Installation		
REMOVAL	SHOCK ABSORBER	9
INSTALLATION	Removal and Installation	9
Disassembly and Assembly		
DISASSEMBLYSINSPECTION AFTER DISASSEMBLY		
INSPECTION AFTER DISASSEMBLY		
ASSEMBLY		
	ASSEMBLY	9

SUSPENSION ARM	10
Removal and Installation	
REMOVAL	
INSPECTION AFTER REMOVAL	
INSTALLATION	
RADIUS ROD	
Removal and Installation	
REMOVAL	
INSPECTION AFTER REMOVAL	
INSTALLATION	
FRONT LOWER LINK	
Removal and Installation	
REMOVAL	
INSPECTION AFTER REMOVAL	
INSTALLATION	
REAR LOWER LINK & COIL SPRING	
Removal and Installation	
REMOVAL	
INSPECTION AFTER REMOVAL	
INSTALLATION	
STABILIZER BAR	
Removal and Installation	
REMOVAL	
INSPECTION AFTER REMOVAL	
INSTALLATION	
SERVICE DATA	
Wheel Alignment (Unladen)	
Ball Joint	
Wheelarch Height (Unladen*)	16

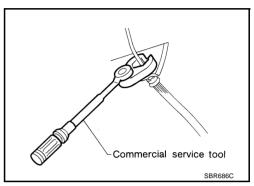
PRECAUTIONS

PRECAUTIONS PFP:00001

Precautions

When installing rubber parts, final tightening must be carried out under unladen condition* with tires on ground. Oil will shorten the life of rubber bushes. Be sure to wipe off any spilled oil.
 * Fuel, radiator coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

- After installing removed suspension parts, check wheel alignment and adjust if necessary.
- Lock nuts are unreusable parts; always use new ones. When replacing, do not wipe oil off new lock nut before tightening.
- Use flare nut wrench when removing or installing brake lines.
- Always torque brake lines when installing.



PREPARATION

PREPARATION Special Service Tools AES00000

The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name		Description
ST3127S000 (See J25742-1) Preload Gauge 1. GG91030000	① ① ① NT124	Measurement ball joint of sliding torque

Commercial Service Tools

AES00021

Tool name		Description
1.Flare nut crowfoot a: 10 mm (0.39 in) 2.Torque wrench		Removing and installing each brake piping
Power tool	S-NT360 PBIC0190E	 Removing wheel nuts Removing stabilizer assembly Removing suspension links

RSU

F

G

Н

В

С

D

IZ.

NOISE, VIBRATION AND HARSHNESS (NVH) TROUBLESHOOTING

NOISE, VIBRATION AND HARSHNESS (NVH) TROUBLESHOOTING NVH Troubleshooting Chart

PFP:00003

AES0000E

Use chart below to help you find the cause of the symptom. If necessary, repair or replace these parts.

	1 7																	
Reference page		Refer to RSU-5.	Refer to RSU-9.	I	I	I	Refer to RSU-5.	Refer to RSU-6.	Refer to RSU-15.	NVH in PR section.	NVH in RFD section.	NVH in FAX and FSU sections.	NVH in WT section.	NVH in WT section.	NVH in RAX section.	NVH in BR section.	NVH in PS section.	
Possible cause and SUSPECTED PARTS			Improper installation, looseness	Shock absorber deformation, damage or deflection	Bushing or mounting deterioration	Parts interference	Spring fatigue	Suspension looseness	Incorrect wheel alignment	Stabilizer bar fatigue	PROPELLER SHAFT	DIFFERENTIAL	FRONT AXLE AND FRONT SUSPENSION	TIRES	ROAD WHEEL	DRIVE SHAFT	BRAKES	STEERING
		Noise	×	×	×	×	×	×			×	×	×	×	×	×	×	×
		Shake	×	×	×	×		×			×		×	×	×	×	×	×
		Vibration	×	×	×	×	×				×		×	×		×		×
Symptom	REAR SUSPENSION	Shimmy	×	×	×	×			×				×	×	×		×	×
		Judder	×	×	×								×	×	×		×	×
		Poor quality ride or handling	×	×	×	×	×		×	×			×	×	×			

^{×:} Applicable

PFP:55020

Components

7:55020 AES0000F

D

Α

В

RSU

F

Н

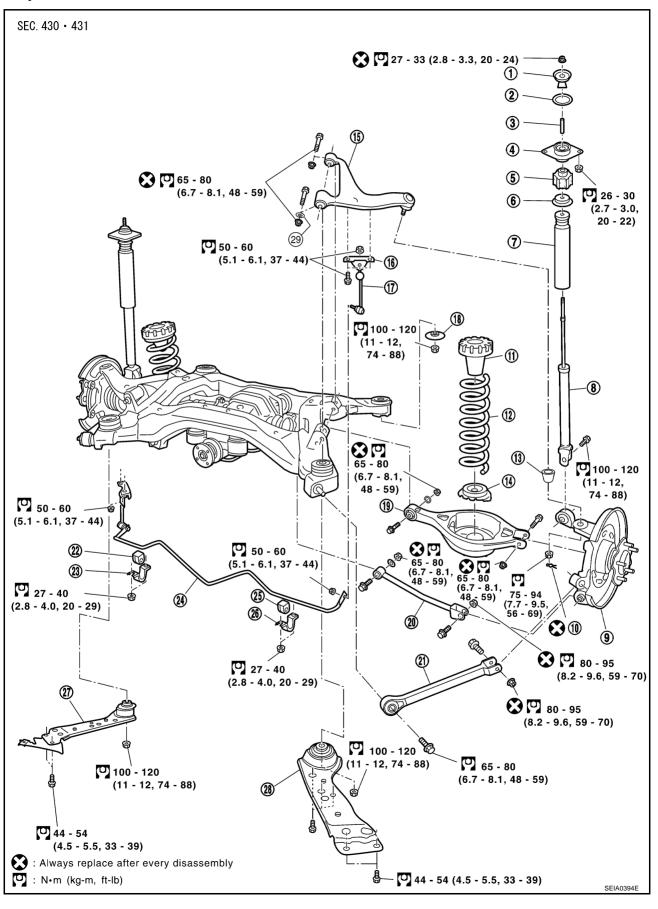
G

ı

J

K

L



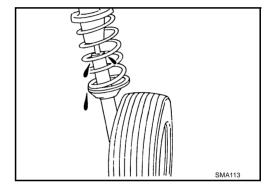
1.	Washer	2.	Shock absorber mounting seal	3.	Distance tube
4.	Shock absorber mounting insulator	5.	Bushing	6.	Bound bumper cover
7.	Bound bumper	8.	Shock absorber	9.	Axle assembly
10.	Cotter pin	11.	Upper seat	12.	Coil spring
13.	Ball seat	14.	Rubber seat	15.	Suspension arm
16.	Connecting rod mounting bracket	17.	Connecting rod	18.	Mount stopper
19.	Rear lower link	20.	Front lower link	21.	Radius rod
22.	Bushing	23.	Clamp	24.	Stabilizer bar
25.	Bushing	26.	Clamp	27.	Member stay
28.	Member stay	29.	Stopper rubber		

On-Vehicle Inspection and Service

AESOOOG

Check axle and suspension parts for excessive play, wear and damage.

- Move rear wheels (RH/LH) to check abnormal free play.
- Retighten all nuts and bolts to the specified torque.
- Check shock absorber for oil leakage or other damage.



AES0000H

Wheel Alignment Inspection DESCRIPTION

 Measure wheel alignment under unladen conditions. "Unladen conditions" means that fuel, coolant, and lubricant are full. Spare tire, jack, hand tools and mats in designated positions.

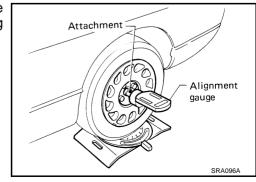
PRELIMINARY INSPECTION

- 1. Check tires for improper air pressure and wear.
- Check road wheels for runout.
- 3. Check wheel bearing axial end play.
- 4. Check ball joint axial end play of suspension arm.
- 5. Check shock absorber operation.
- 6. Check each mounting point of axle and suspension for looseness and deformation.
- 7. Check each link and arm for cracks, deformation, and other damage.
- 8. Check vehicle posture.

CAMBER INSPECTION

 Measure camber of both right and left wheels with a suitable alignment gauge and adjust in accordance with the following procedures.

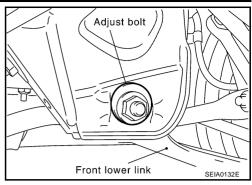
Camber : Refer to RSU-16, "SERVICE DATA"



If camber is not within specification, adjust by turning adjusting bolt.

- Turn adjusting bolt to calibrate.
 Camber changes about 5' with each graduation of adjusting bolt.
- 2. Tighten to the specified torque.

: 65 - 80 N·m (6.7 - 8.1 kg-m, 48 - 59 ft-lb)

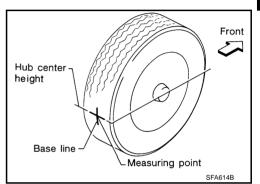


TOE-IN

Measure toe-in using following procedure. If out of specification, inspect and replace any damaged or worn rear suspension parts.

WARNING:

- Always perform following procedure on a flat surface.
- Make sure that no person is in front of vehicle before pushing it.
- 1. Bounce rear of vehicle up and down to stabilize the posture.
- 2. Push vehicle straight ahead about 5 m (16 ft).
- 3. Put a mark on base line of the tread (rear side) of both tires at the same height of hub center. This mark is a measuring point.
- 4. Measure distance "A" (rear side).

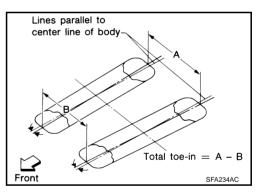


5. Push vehicle slowly ahead to rotate wheels 180 degrees (1/2 turn).

If wheels have rotated more than 180 degrees (1/2 turn), try the above procedure again from the beginning. Never push vehicle backward.

6. Measure distance "B" (front side).

Total toe-in : Refer to RSU-16, "SERVICE DATA".



7. Adjust toe-in by turning adjusting bolts.

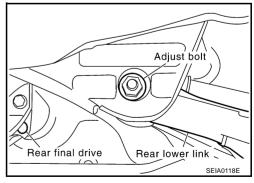
Toe changes about 1.5 mm (0.059 in) [One side] with each graduation of adjusting bolt.

CAUTION:

Be sure to adjust equally on RH and LH side with adjusting bolt.

8. Tighten to the specified torque.

: 65 - 80 N·m (6.7 - 8.1 kg-m, 48 - 59 ft-lb)



RSU

D

Α

Н

J

Κ

L

Removal and Installation REMOVAL

AES00001

- 1. Remove fitting nut in upper side of shock absorber.
- 2. Remove tires with power tool. Remove brake caliper with power tool and hung it aside.

CAUTION:

Avoid depressing brake pedal with brake caliper removed.

- 3. Remove parking brake cable from axle housing and suspension member.
- 4. Remove ABS wheel sensor from rear final drive.
- 5. Remove mounting bolts of member stay.
- 6. Remove exhaust tube and propeller shaft.
- 7. Remove air breather hose of rear final drive from vehicle side.
- 8. Set transmission jack under rear final drive.
- 9. Remove rear suspension member mounting bolts.
- 10. Transmission jack slowly to remove rear suspension member from vehicle.

CAUTION

Lower mission jack while in order to do not drop coil spring.

INSTALLATION

Refer to <u>RSU-5</u>, "<u>Components</u>" for tightening torque. Install in the reverse order of removal.

CAUTION:

Refer to component parts location and do not reuse non-reusable parts.

- After installation, perform final tightening of each part under unladen conditions with tires on ground.
- After installing suspension assembly, check wheel alignment and adjust if necessary.

SHOCK ABSORBER

SHOCK ABSORBER Removal and Installation

PFP:56210

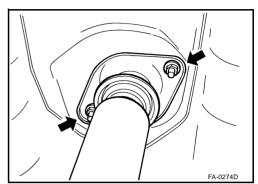
AFS0001Y

Α

В

REMOVAL

- 1. Remove tire with power tool.
- 2. Set transmission jack on rear axle assembly to remove fitting bolt and nut in lower side of shock absorber.
- 3. Remove transmission jack from rear axle assembly.
- 4. Remove rear seat cushion, rear seat back and rear parcel shelf finisher.
- 5. Remove fitting nut in upper side of shock absorber.



RSU

INSTALLATION

• Refer to RSU-5, "Components" for tightening torque. Install in the reverse order of removal.

CAUTION:

Refer to component parts location and do not reuse non-reusable parts.

- After installation, perform final tightening of each part under unladen conditions with tires on ground.
- After installing shock absorber, check wheel alignment and adjust if necessary.

Disassembly and Assembly DISASSEMBLY

AES0002N

1. Remove shock absorber mounting seal from shock absorber mounting insulator.

- 2. Wrap a shop cloth around lower side of shock absorber.
- Set shock absorber in a vise.
- 4. Secure piston rod tip so that piston rod does not turn, and remove piston rod lock nut.
- 5. Remove washer, bushing, distance tube, shock absorber mounting insulator, bushing, bound bumper cover and bound bumper from shock absorber.

INSPECTION AFTER DISASSEMBLY

Shock Absorber

Check piston rod for cracks, deformation or other damage. Replace if necessary.

ASSEMBLY

Refer to RSU-5, "Components" for tightening torque. Install in the reverse order of removal.

CAUTION:

- Piston rod lock nut is not reusable. Always use a new one when installing.
- Be sure to install distance tube is securely.

_

G

Н

K

L

 \mathbb{N}

Revision; 2004 April RSU-9 2003 G35 Sedan

SUSPENSION ARM PFP:55501

Removal and Installation

AES0001T

- 1. Remove tire with power tool.
- 2. Remove drive shaft. Refer to RAX-9, "REAR DRIVE SHAFT".
- 3. Remove connecting rod mounting bracket from suspension arm with power tool.
- 4. Remove fixing bolts and nuts in suspension member side of suspension arm.
- Remove cotter pin and lock nut.
- 6. Remove suspension arm from axle housing using puller.

CAUTION:

- Do not damage ball joint with puller.
- While using puller, temporarily tighten nut so as not to damage screw part.

INSPECTION AFTER REMOVAL

- Check suspension arm and bushing for deformation, cracks, or damage. If any non-standard condition is found, replace it.
- Check boot of ball joint for cracks or other damage, and also for grease leakage.

Ball Joint

CAUTION:

Before measurement, move ball joint by hand ten times or more to check for smooth operation of ball joint.

Oscillating Torque Inspection

 Hook spring scale onto cotter pin mounting hole. Check that spring scale value when ball stud begins moving is within the specified range.

Oscillating torque:

0.50 - 3.40 N·m (0.06 - 0.34 kg-m, 5 - 30 in-lb)

Measured value of spring scale:

8.06 - 54.8 N (0.82 - 5.59 kg, 1.81 - 12.32 lb)

If it is outside the specified range, replace suspension arm.

Spring scale Hook spring scale SEIA0122E

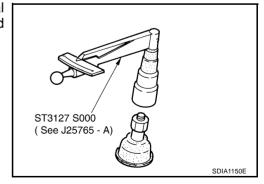
Sliding Torque Inspection

 Install mounting nut to ball stud. Using a preload gauge (special service tool), check the sliding torque is within the specified range.

Sliding torque:

0.50 - 3.40 N·m (0.06 - 0.34 kg-m, 5 - 30 in-lb)

If it is outside the specified range, replace suspension arm.



Axial End Play

Push ball joint tip in the axial direction to check free play.

Axial end play : 0 mm (0 in)

If there is free play, replace suspension arm.

SUSPENSION ARM

INSTALLATION

• Refer to RSU-5, "Components" for each tightening torque, etc. Install in the reverse order of removal. CAUTION:

Refer to component parts location and do not reuse non-reusable parts.

• After installing suspension arm, check wheel alignment and adjust if necessary. Refer to RSU-6, "Wheel Alignment Inspection".

Α

В

С

D

RSU

F

G

Н

1

J

Κ

L

RADIUS ROD

RADIUS ROD PFP:55110

Removal and Installation REMOVAL

AES0001U

- 1. Remove tire with power tool.
- 2. Remove brake caliper with power tool. Hang it in a place where it will not interfere with work. Refer to BR-27, "REAR DISC BRAKE".

CAUTION:

Avoid depressing brake pedal while brake caliper is removed.

- 3. Remove fixing bolt and nut in axle side of radius rod with power tool.
- 4. Remove rear lower link and coil spring. Refer to RSU-14, "REAR LOWER LINK & COIL SPRING".
- 5. Remove fixing bolt in lower side of shock absorber with power tool.
- 6. Remove fixing bolt and nut in axle side of front lower link with power tool.
- 7. Remove fixing bolt in rear suspension member side of radius rod with power tool, then remove radius rod from vehicle.

INSPECTION AFTER REMOVAL

Check radius rod for any deformation, crack, or damage. Replace if necessary.

INSTALLATION

Refer to <u>RSU-5</u>, "Components" for each tightening torque, etc. Install in the reverse order of removal.
 CAUTION:

Refer to component parts location and do not reuse non-reusable parts.

After installing radius rod, check wheel alignment and adjust if necessary. Refer to RSU-6, "Wheel Alignment Inspection"

FRONT LOWER LINK

FRONT LOWER LINK

PFP:55110

Removal and Installation REMOVAL

AES0001V

Α

В

С

D

- Remove tire with power tool. Set transmission jack on rear lower link.
- Remove front lower link mounting bolts and nuts with power tool and remove front lower link from vehicle.

INSPECTION AFTER REMOVAL

Check front lower link for any deformation, crack, or damage. Replace if necessary.

INSTALLATION

Refer to <u>RSU-5</u>, "<u>Components</u>" for tightening torque, etc. Install in the reverse order of removal.
 CAUTION:

Refer to component parts location and do not reuse non-reusable parts.

• After installing front lower link, check wheel alignment and adjust if necessary. Refer to RSU-6, "Wheel Alignment Inspection".

RSU

.00

G

F

Н

J

Κ

.

REAR LOWER LINK & COIL SPRING

REAR LOWER LINK & COIL SPRING

PFP:551B0

Removal and Installation

AES0001W

- 1. Remove tire with power tool. Set jack on rear lower link.
- 2. Loosen fixing bolt and nut of rear lower link in side of suspension member.
- 3. Remove fixing bolt and nut in side of axle housing.
- 4. Slowly lower jack, then remove upper rubber seat, coil spring and rubber sheet from rear lower link.
- 5. Remove fixing bolt and nut in side of suspension member to remove rear lower link with power tool.

INSPECTION AFTER REMOVAL

Check rear lower link and coil spring for any deformation, crack or damage. Replace if necessary.

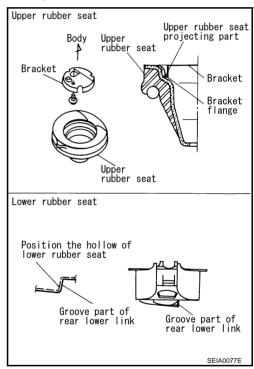
INSTALLATION

Refer to <u>RSU-5</u>, "<u>Components</u>" for tightening torque. Install in the reverse order of removal.

CAUTION:

Refer to component parts location and do not reuse non-reusable parts.

- Check that the projecting part inside upper seat and the flange part of bracket attached as shown in the figure.
- Check that the projection part outside upper seat directs to vehicle front.
- Position the hollow of rubber seat with the groove part of rear lower link to install.
- Install coil spring with the side of 2 paint markers directing to lower side.



 After installing rear lower link and coil spring, check wheel alignment and adjust if necessary. Refer to RSU-6, "Wheel Alignment Inspection".

STABILIZER BAR

STABILIZER BAR PFP:56230

Removal and Installation REMOVAL

AES0001X

Α

В

С

D

- 1. Remove dynamic dampener of exhaust tube.
- 2. Remove stabilizer from connecting rod with power tool.
- 3. Remove mounting bolts of clamp and then remove clamp and bushing from stabilizer bar.
- 4. Remove stabilizer bar from vehicle behind.

INSPECTION AFTER REMOVAL

Check stabilizer bar for any deformation, crack or damage. Replace if necessary.

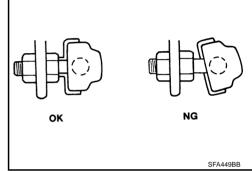
INSTALLATION

Refer to <u>RSU-5</u>, "<u>Components</u>" for tightening torque. Install in the reverse order of removal.

CAUTION:

Refer to component parts location and do not reuse non-reusable parts.

 Stabilizer bar uses pillow ball type connecting rod, position ball joint with case on pillow ball head parallel to stabilizer bar.



RSU

Н

J

K

L

SERVICE DATA

SERVICE DATA PFP:00030

Wheel Alignment (Unladen)

AES0000P

		Minimum	- 1°05′ (- 1.08°)
Camber Degree minute (Decimal degree)		Nominal	- 0°35′ (- 0.58°)
	Degree minute (Decimal degree)		- 0°05′ (- 0.08°)
Total toe-in	Distance (A - B)	Minimum	0 mm (0 in)
		Nominal	2.7 mm (0.11 in)
		Maximum	5.4 mm (0.21 in)

Ball Joint AESO000Q

Oscillating torque	0.50 - 3.40 N·m (0.06 - 0.34 kg-m, 5 - 30 in-lb)
Measurement on spring balance (cotter pinhole position)	8.06 - 54.8 N (0.82 - 5.59 kg, 1.81 - 12.32 lb)
Sliding torque	0.50 - 3.40 N·m (0.06 - 0.34 kg-m, 5 - 30 in-lb)
Axial end play	0 mm (0 in)

Wheelarch Height (Unladen*)

AES0000R



SFA818A

Applied model	model 205/65R16 215					
Front (Hf)	711 mm (27.99 in)	711 mm (27.99 in)				
Rear (Hr)	703 mm (27.68 in)	704 mm (27.72 in)				

^{*:} Fuel, radiator coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.