

SECTION

FSU

FRONT SUSPENSION

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PRECAUTIONS

< SERVICE INFORMATION >

SERVICE INFORMATION

PRECAUTIONS

Caution

INFOID:000000001646445

- When installing rubber bushings, final tightening must be carried out under unladen conditions with tires on ground. Oil will shorten the life of rubber bushings. Be sure to wipe off any spilled oil.
- Unladen conditions mean that fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.
- After servicing suspension parts, be sure to check wheel alignment.
- Caulking nuts are not reusable. Always use new ones when installing. Since new caulking nuts are pre-oiled, tighten as they are.
- Avoid burden to front cross bar.

PREPARATION

< SERVICE INFORMATION >

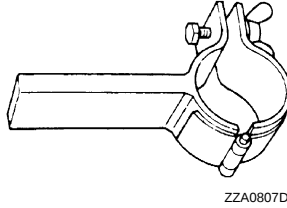
PREPARATION

Special Service Tool

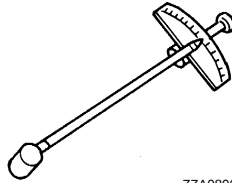
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The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name	Description
ST35652000 (—) Strut attachment	Disassembling and assembling shock absorber
ST3127S000 (J-25765-A) Preload gauge	Measuring rotating torque of ball joint



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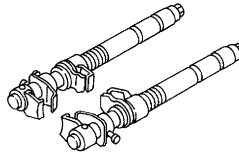


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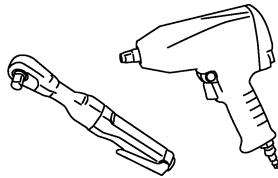
Commercial Service Tool

INFOID:000000001646447

Tool name	Description
Spring compressor	Removing coil spring
Power tool	Loosening bolts and nuts



S-NT717



PBIC0190E

NOISE, VIBRATION AND HARSHNESS (NVH) TROUBLESHOOTING

< SERVICE INFORMATION >

NOISE, VIBRATION AND HARSHNESS (NVH) TROUBLESHOOTING

NVH Troubleshooting Chart

INFOID:000000001646448

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

Reference page			FSU-7	FSU-9	—	—	—	FSU-7	FSU-5	FSU-16	NVH in PR section	NVH in RFD section.	NVH in FAX and FSU section.	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
Symptom	FRONT SUSPENSION	Noise	x	x	x	x	x	x			x	x	x	x	x	x	x	x
		Shake	x	x	x	x		x			x		x	x	x	x	x	x
		Vibration	x	x	x	x	x				x		x	x		x		x
		Shimmy	x	x	x	x			x				x	x	x		x	x
		Judder	x	x	x								x	x	x		x	x
		Poor quality ride or handling	x	x	x	x	x		x	x			x	x	x			

x: Applicable

FRONT SUSPENSION ASSEMBLY

< SERVICE INFORMATION >

FRONT SUSPENSION ASSEMBLY

On-Vehicle Inspection

INFOID:000000001646449

Make sure the mounting conditions (looseness, back lash) of each component and component statues (wear, damage) are normal.

INSPECTION OF BALL JOINT END PLAY OF EACH LINK

1. Set front wheels in a straight-ahead position. Do not depress brake pedal.
2. Check ball joint axial end play of each link.

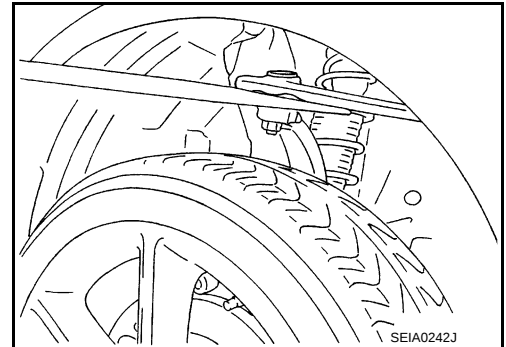
CAUTION:

Be careful not to damage ball joint boot.

Upper Link Ball Joint

- Measure axial end play by installing and moving up/down with an iron pry bar or something similar between upper link and steering knuckle.

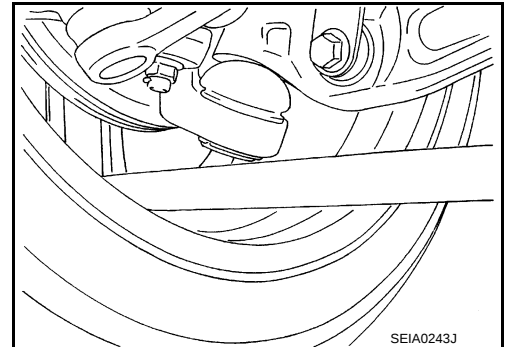
Axial end play : 0 mm (0 in)



Steering Knuckle Lower Ball Joint

- Measure axial end play by installing and moving up/down with an iron pry bar or something similar between steering knuckle and wheel.

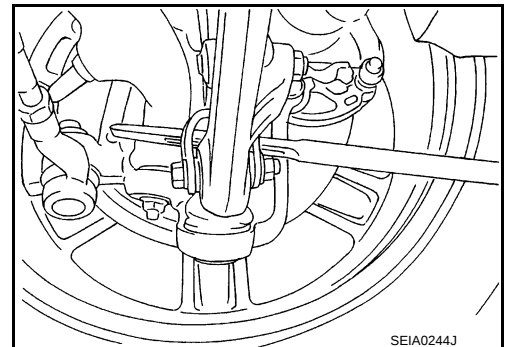
Axial end play : 0 mm (0 in)



Compression Rod Ball Joint

- Measure axial end play by installing and moving up/down with an iron pry bar or something similar between compression rod and transverse link.

Axial end play : 0 mm (0 in)



SHOCK ABSORBER INSPECTION

Check shock absorber for oil leakage, damage and replace if necessary. Refer to [FSU-9](#).

Wheel Alignment Inspection

INFOID:000000001646450

DESCRIPTION

- Measure wheel alignment under unladen conditions.

NOTE:

FRONT SUSPENSION ASSEMBLY

< SERVICE INFORMATION >

Unladen conditions mean that fuel, engine coolant, and lubricant are full. Spare tire, jack, hand tools and mats are designated positions.

PRELIMINARY CHECK

- Check tires for improper air pressure and wear.
- Check road wheels for runout.
- Check wheel bearing axial end play.
- Check ball joint axial end play of compression rod, upper link, and steering knuckle
- Check shock absorber operation.
- Check each mounting part of axle and suspension for looseness and deformation.
- Check each link, rod and member for cracks, deformation and other damage.
- Check vehicle posture.

GENERAL INFORMATION AND RECOMMENDATIONS

- A four-wheel thrust alignment should be performed.
- This type of alignment is recommended for any NISSAN/INFINITI vehicle.
- The four-wheel "thrust" process helps ensure that the vehicle is properly aligned and the steering wheel is centered.
- The alignment rack itself should be capable of accepting any NISSAN/INFINITI vehicle.
- The rack should be checked to ensure that it is level.
- Make sure the machine is properly calibrated.
- Your alignment equipment should be regularly calibrated in order to give correct information.
- Check with the manufacturer of your specific equipment for their recommended Service/Calibration Schedule.

THE ALIGNMENT PROCESS

IMPORTANT:

Use only the alignment specifications listed in this Service Manual.

- When displaying the alignment settings, many alignment machines use "indicators": (Green/red, plus or minus, Go/No Go). **Do not use these indicators.**
- The alignment specifications programmed into your machine that operate these indicators may not be correct.
- This may result in an ERROR.
- Some newer alignment machines are equipped with an optional "Rolling Compensation" method to "compensate" the sensors (alignment targets or head units). **Do not use this "Rolling Compensation" method.**
- Use the "Jacking Compensation Method". After installing the alignment targets or head units, raise the vehicle and rotate the wheels 1/2 turn both ways.
- See Instructions in the alignment machine you're using for more information on this.

INSPECTION OF CAMBER, CASTER AND KINGPIN INCLINATION ANGLES

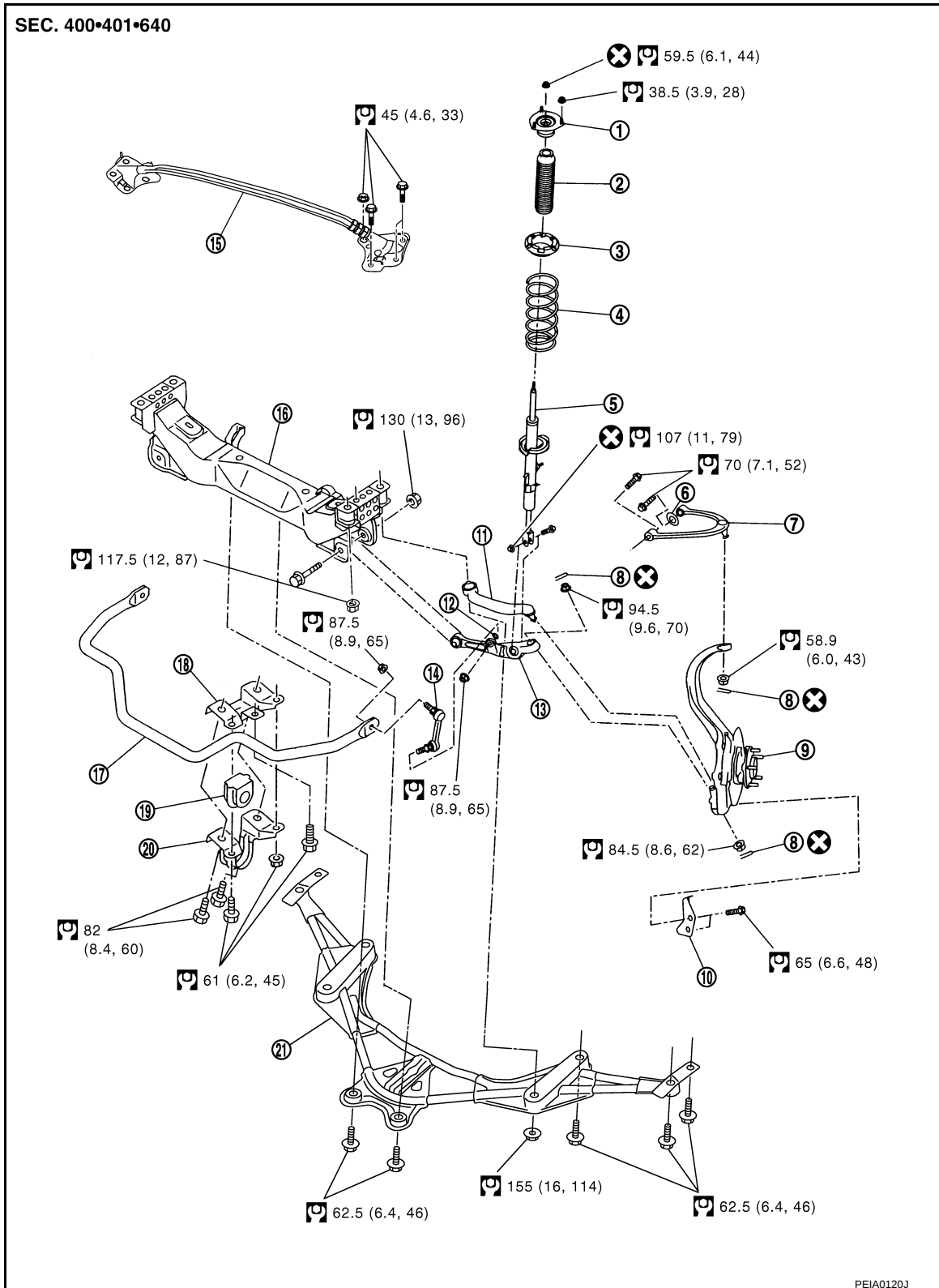
- Camber, caster, kingpin inclination angles cannot be adjusted.
- Before inspection, mount front wheels onto turning radius gauge. Mount rear wheels onto a stand that has same height so vehicle will remain horizontal.

FRONT SUSPENSION ASSEMBLY

< SERVICE INFORMATION >

Component

INFOID:000000001646451



1. Mounting insulator
4. Coil spring
7. Upper link
10. Steering stopper bracket

2. Bound bumper
5. Shock absorber
8. Cotter pin
11. Compression rod

3. Spring upper seat
6. Stopper rubber
9. Front axle assembly
12. Washer

FRONT SUSPENSION ASSEMBLY

< SERVICE INFORMATION >

- | | | |
|-----------------------------|-------------------------------|------------------------------|
| 13. Transverse link | 14. Stabilizer connecting rod | 15. Tower bar |
| 16. Front suspension member | 17. Stabilizer bar | 18. Stabilizer clamp bracket |
| 19. Stabilizer bushing | 20. Stabilizer clamp | 21. Front cross bar |

Refer to [GI-7, "Contents"](#), for the symbols in the figure.

Removal and Installation

INFOID:000000001646452

REMOVAL

1. Remove tires from vehicle 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-28](#).
3. Remove undercover with power tool.
4. Remove fixing bolts and nuts, then remove front cross bar from vehicle with power tool.
5. Remove steering hydraulic piping bracket from front suspension member. Refer to [PS-33](#).
6. Remove steering gear and front suspension member attachment bolts and hang steering gear on vehicle. Refer to [PS-17](#).
7. Set jack under engine.
CAUTION:
When setting jack to engine, use a wooden block or an equivalent for the setting.
8. Remove fixing bolt and nut between shock absorber and transverse link with power tool.
9. Remove cotter pin of upper link ball joint, then loosen mounting nut.
10. Use a ball joint remover (suitable tool) to remove upper link from steering knuckle. Be careful not to damage ball joint boot.
CAUTION:
Tighten temporarily mounting nut to prevent damage to threads and to prevent ball joint remover (suitable tool) from coming off.
11. Remove fixing nut and washer located at the bottom of stabilizer connecting rod, and then remove stabilizer connecting rod from transverse link with power tool.
12. Remove fixing nuts between engine mounting insulator and front suspension member. Refer to [EM-101](#).
13. Remove fixing nuts between front suspension member and body with power tool.
14. Remove front suspension assembly from vehicle.

INSTALLATION

- Refer to [FSU-7, "Component"](#) for tightening torque. Install in the reverse order of removal.
NOTE:
Refer to component parts location and do not reuse non-reusable parts.
- Perform final tightening of shock absorber lower side (rubber bushing) under unladen condition with tires on ground. Check wheel alignment. Refer to [FSU-5, "Wheel Alignment Inspection"](#).

COIL SPRING AND SHOCK ABSORBER

< SERVICE INFORMATION >

COIL SPRING AND SHOCK ABSORBER

Removal and Installation

INFOID:000000001646453

REMOVAL

1. Remove tire with power tool.
2. Remove undercover with power tool.
3. Remove harness of wheel sensor from shock absorber. Refer to [BRC-33. "Removal and Installation"](#) (with ABS), [BRC-70. "Removal and Installation"](#) (with TCS), [BRC-121. "Removal and Installation"](#) (with VDC).
CAUTION:
Do not pull on wheel sensor harness.
4. Remove mounting nuts of brake hose from shock absorber.
5. Remove mounting bolt and nut between shock absorber and transverse link with power tool.
6. Remove tower bar. Refer to [FSU-18](#).
7. Remove mounting nuts on mounting insulator with power tool, then remove shock absorber from vehicle.

INSTALLATION

- Refer to [FSU-7. "Component"](#) for tightening torque. Install in the reverse order of removal.
NOTE:
Refer to component parts location and do not reuse non-reusable parts.
- Perform final tightening of shock absorber lower side (rubber bushing) under unladen condition with tires on ground. Check wheel alignment. Refer to [FSU-5. "Wheel Alignment Inspection"](#).

Disassembly and Assembly

INFOID:000000001646454

DISASSEMBLY

NOTE:

Make sure piston rod on shock absorber is not damaged when removing components from shock absorber.

1. Install strut attachment (SST) to shock absorber and fix it in a vise.

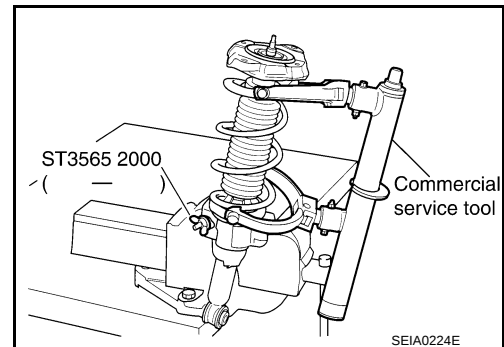
CAUTION:

When installing strut attachment (SST) to shock absorber, wrap a shop cloth around shock absorber to protect it from damage.

2. Using a spring compressor (commercial service tool), compress coil spring between spring upper seat and spring lower seat (on shock absorber) until coil spring is free.

CAUTION:

Be sure spring compressor (commercial service tool) is securely attached to coil spring. Compress coil spring.



3. Check that coil spring between spring upper seat and spring lower seat is free and then secure piston rod tip so that piston rod does not turn, and remove piston rod lock nut.

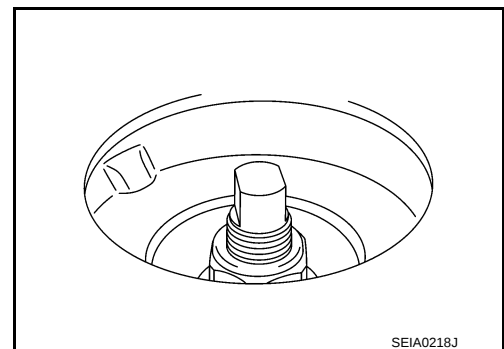
4. Remove mounting insulator, bound bumper, spring upper seat. Then remove coil spring from shock absorber.

5. Gradually release spring compressor (commercial service tool), and remove coil spring.

CAUTION:

Loosen while making sure coil spring attachment position does not move.

6. Remove strut attachment (SST) from shock absorber.



INSPECTION AFTER DISASSEMBLY

Shock Absorber Inspection

- Check shock absorber for deformation, cracks, damage, and replace if necessary.
- Check piston rod for damage, uneven wear, distortion, and replace if necessary.

COIL SPRING AND SHOCK ABSORBER

< SERVICE INFORMATION >

- Check welded and sealed areas for oil leakage, and replace if necessary.

Mounting Insulator and Rubber Parts Inspection

Check mounting insulator for cracks and rubber parts for wear. Replace them if necessary.

Coil Spring Inspection

Check coil spring for cracks, wear or damage, and replace if necessary.

ASSEMBLY

NOTE:

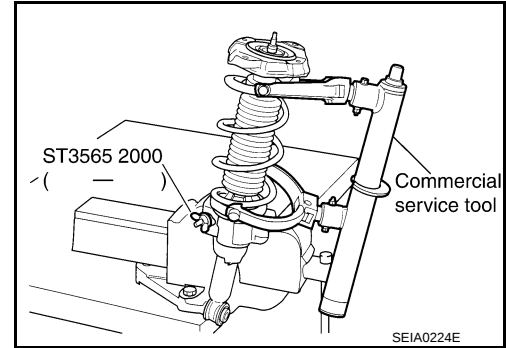
Make sure piston rod on shock absorber is not damaged when attaching components to shock absorber.

1. Install strut attachment (SST) to shock absorber and fix it in a vise.

CAUTION:

When installing strut attachment (SST) to shock absorber, wrap a shop cloth around shock absorber to protect it from damage.

2. Compress coil spring using a spring compressor (commercial service tool), and install it onto shock absorber.



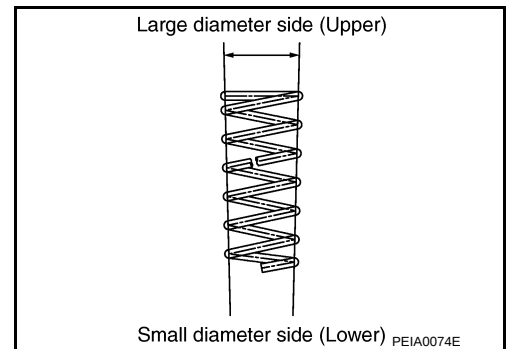
CAUTION:

- Install coil spring as shown in the figure.
- Be sure spring compressor (commercial service tool) is securely attached to coil spring. Compress coil spring.

3. Apply soapy water to bound bumper and insert into mounting insulator.

CAUTION:

Do not use machine oil.



4. Attach spring upper seat and mounting insulator as shown in the figure.

CAUTION:

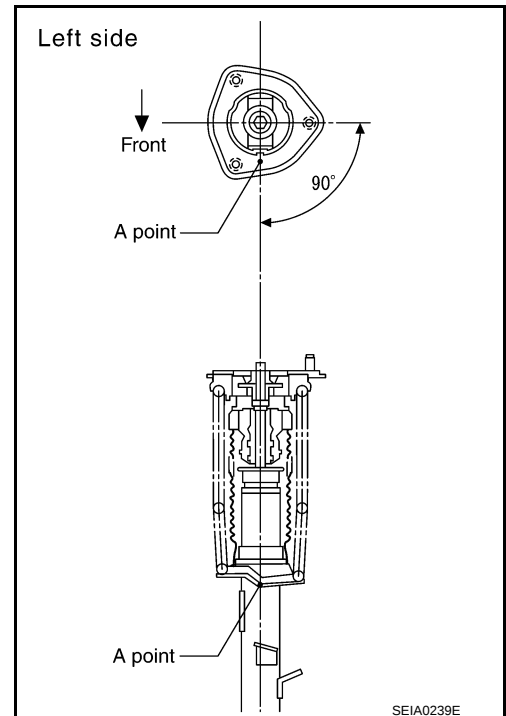
- Make sure coil spring is securely seated in spring mounting groove of spring upper seat.
- The bottom part of spring should be at the position of A point of spring seat.

5. Secure piston rod tip so that piston rod does not turn, and tighten the specified torque on piston rod lock nut.
6. Gradually release spring compressor (commercial service tool), and remove coil spring.

CAUTION:

Loosen spring compressor (commercial service tool) while making sure coil spring attachment position does not move.

7. Remove strut attachment (SST) from shock absorber.



TRANSVERSE LINK

< SERVICE INFORMATION >

TRANSVERSE LINK

Removal and Installation

INFOID:000000001646455

REMOVAL

1. Remove tires from vehicle with power tool.
2. Remove undercover with power tool.
3. Remove mounting nut and washer on lower portion of stabilizer connecting rod with power tool.
4. Remove mounting nut between transverse link and shock absorber on lower position.
5. Remove mounting nut between transverse link and front suspension member with power tool.
6. Remove transverse link from steering knuckle. Refer to [FAX-4](#).
7. Remove transverse link from vehicle.

INSPECTION AFTER REMOVAL

Visual Inspection

Check transverse link and bushing for deformation, cracks, or damage. If any non-standard condition is found, replace it.

INSTALLATION

- Refer to [FSU-7, "Component"](#) for tightening torque. Install in the reverse order of removal.

NOTE:

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

- Perform final tightening of front suspension member installation position and shock absorber lower side (rubber bushing) under unladen condition with tires on ground. Check wheel alignment. Refer to [FSU-5, "Wheel Alignment Inspection"](#).

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UPPER LINK

Removal and Installation

INFOID:000000001646456

REMOVAL

1. Remove tires from vehicle with power tool.
2. Remove undercover with power tool.
3. Remove shock absorber. Refer to [FSU-9](#).
4. Remove cotter pin of upper link ball joint, then loosen mounting nut.
5. Use a ball joint remover (suitable tool) to remove upper link from steering knuckle. Be careful not to damage ball joint boot.

CAUTION:

Tighten temporarily mounting nut to prevent damage to threads and to prevent ball joint remover (suitable tool) from coming off.

6. Remove bolts holding upper link to body with power tool.
7. Remove upper link from vehicle.

INSPECTION AFTER REMOVAL

Visual Inspection

- Check upper link 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. If any non-standard condition is found, replace it.

Ball Joint Inspection

- Manually move ball stud to confirm it moves smoothly with no binding.

Swing Torque Inspection

NOTE:

Before measurement, move ball joint at least ten times by hand to check for smooth movement.

- Hook spring balance at ball stud. Confirm spring balance measurement value is within the specifications when ball stud begins moving.

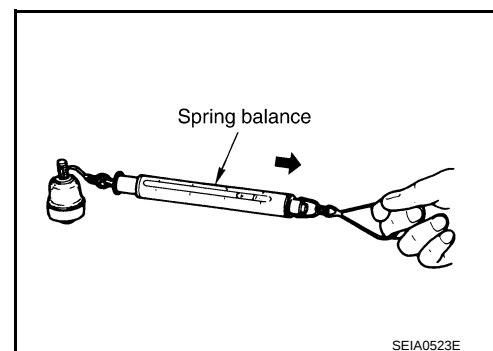
Swing torque:

Less than 2.0 N·m (0.20 kg-m, 18 in-lb)

Measured value of spring balance:

Less than 34.8 N (3.5 kg, 7.8 lb)

- If it is outside the specified range, replace upper link assembly.



Rotating Torque Inspection

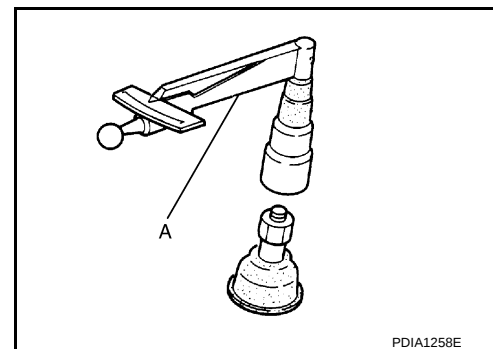
- Attach mounting nut to ball stud. Check that rotating torque is within specifications with a preload gauge.

Tool number A: ST3127S000 (J-25765-A)

Rotating torque:

Less than 2.0 N·m (0.20 kg-m, 18 in-lb)

- If it is outside the specified range, replace upper link assembly.



Axial End Play Inspection

- Move tip of ball joint in axial direction to check for looseness.

Axial end play : 0 mm (0 in)

UPPER LINK

< SERVICE INFORMATION >

- If it is outside the specified range, replace upper link assembly.

INSTALLATION

- Refer to [FSU-7, "Component"](#) for tightening torque. Install in the reverse order of removal.

NOTE:

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

- Perform final tightening of front suspension member installation position (rubber bushing) under unladen condition with tires on ground. Check wheel alignment. Refer to [FSU-5, "Wheel Alignment Inspection"](#).

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COMPRESSION ROD

< SERVICE INFORMATION >

COMPRESSION ROD

Removal and Installation

INFOID:000000001646457

REMOVAL

1. Remove tires from vehicle with power tool.
2. Remove undercover with power tool.
3. Remove front cross bar from vehicle with power tool.
4. Remove cotter pin of compression rod ball joint, and loosen nut.
5. Use a ball joint remover (suitable tool) to remove compression rod from steering knuckle. Be careful not to damage ball joint boot.

CAUTION:

Tighten temporarily mounting nut to prevent damage to threads and to prevent ball joint remover (suitable tool) from coming off.

6. Remove compression rod from vehicle.

INSPECTION AFTER REMOVAL

Visual Inspection

- Check compression rod 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. If any non-standard condition is found, replace it.

Ball Joint Inspection

- Manually move ball stud to confirm it moves smoothly with no binding.

Swing Torque Inspection

NOTE:

Before measurement, move ball joint at least ten times by hand to check for smooth movement.

- Hook spring balance at ball stud. Confirm spring balance measurement value is within the specifications when ball stud begins moving.

Swing torque:

0.147 - 2.45 N·m (0.02 - 0.24 kg-m, 2 - 21 in-lb)

Measured value of spring balance:

2.37 - 39.5 N (0.24 - 4.03 kg, 0.53 - 8.88 lb)

- If it is outside the specified range, replace compression rod assembly.

Rotating Torque Inspection

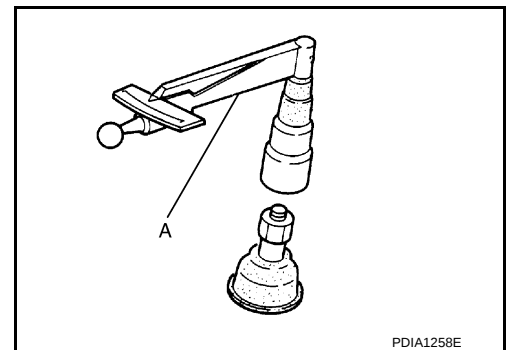
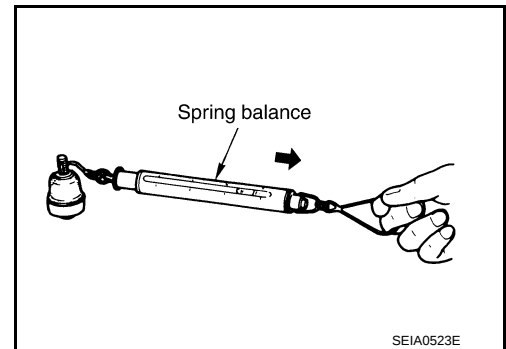
- Attach mounting nut to ball stud. Check that rotating torque is within the specifications with a preload gauge.

Tool number A: ST3127S000 (J-25765-A)

Rotating torque:

0.147 - 2.45 N·m (0.02 - 0.24 kg-m, 2 - 21 in-lb)

- If it is outside the specified range, replace compression rod assembly.



AXIAL END PLAY INSPECTION

- Move tip of ball joint in axial direction to check for looseness.

Axial end play : 0 mm (0 in)

- If it is outside the specified range, replace compression rod assembly.

COMPRESSION ROD

< SERVICE INFORMATION >

INSTALLATION

- Refer to [FSU-7, "Component"](#) for tightening torque. Install in the reverse order of removal.

NOTE:

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

- Perform final tightening of installation position between front suspension member and front cross bar (rubber bushing) under unladen condition with tires on ground. Check wheel alignment. Refer to [FSU-5, "Wheel Alignment Inspection"](#).

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STABILIZER BAR

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STABILIZER BAR

Removal and Installation

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REMOVAL

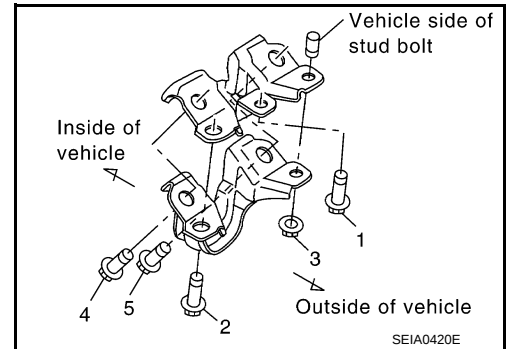
1. Remove tires from vehicle with power tool.
2. Remove undercover with power tool.
3. Remove mounting nut on upper portion of stabilizer connecting rod with power tool.
4. Remove fixing bolts and nuts, then remove stabilizer clamp, stabilizer bushing, and stabilizer clamp bracket.
5. Remove stabilizer bar from vehicle.

INSPECTION AFTER REMOVAL

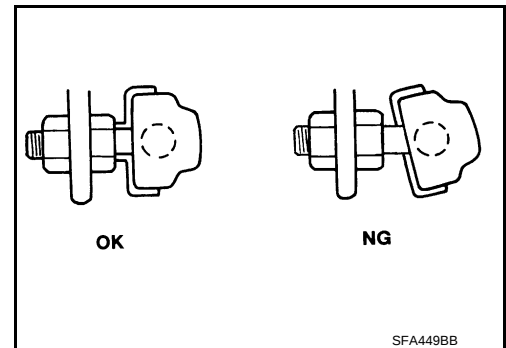
Check stabilizer bar, stabilizer connecting rod, stabilizer bushing, stabilizer clamp and stabilizer clamp bracket for deformation, cracks and damage, and replace if necessary.

INSTALLATION

- Refer to [FSU-7, "Component"](#) for tightening torque. Install in the reverse order of removal.
- Tighten each bolt and nut as shown in the figure for tightening stabilizer bracket and stabilizer clamp. Tightening order is as follows.
1 (fully tighten) → 2 (temporarily tighten) → 3 (temporarily tighten) → 2 (fully tighten) → 3 (fully tighten) → 4, 5 (temporarily tighten) → 4, 5 (fully tighten).



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



FRONT SUSPENSION MEMBER

< SERVICE INFORMATION >

FRONT SUSPENSION MEMBER

Removal and Installation

INFOID:000000001646459

REMOVAL

1. Remove tires from vehicle with power tool.
2. Remove undercover with power tool.
3. Remove fixing bolts and nuts, then remove front cross bar from vehicle with power tool.
4. Remove steering hydraulic piping bracket from front suspension member. Refer to [PS-33](#).
5. Remove steering gear and front suspension member attachment bolts and hang steering gear on vehicle. Refer to [PS-17](#).
6. Remove transverse link from front suspension member with power tool. Refer to [FSU-11](#).
7. Set jack under engine.

CAUTION:

When setting jack to engine, use a wooden block or an equivalent for the setting.

8. Remove fixing nuts between engine mounting insulator and front suspension member. Refer to [EM-101](#).
9. Remove fixing nuts between front suspension member and body with power tool.
10. Remove front suspension member from vehicle.

INSPECTION AFTER REMOVAL

Check front suspension member for deformation, cracks, or any other damage. Replace if necessary.

INSTALLATION

- Refer to [FSU-7, "Component"](#) for tightening torque. Install in the reverse order of removal.
- Perform final tightening of installation position between front suspension member and transverse link (rubber bushing) under unladen condition with tires on level ground. Check wheel alignment. Refer to [FSU-5, "Wheel Alignment Inspection"](#).

A
B
C
D
F
G
H
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J
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P

FSU

TOWER BAR

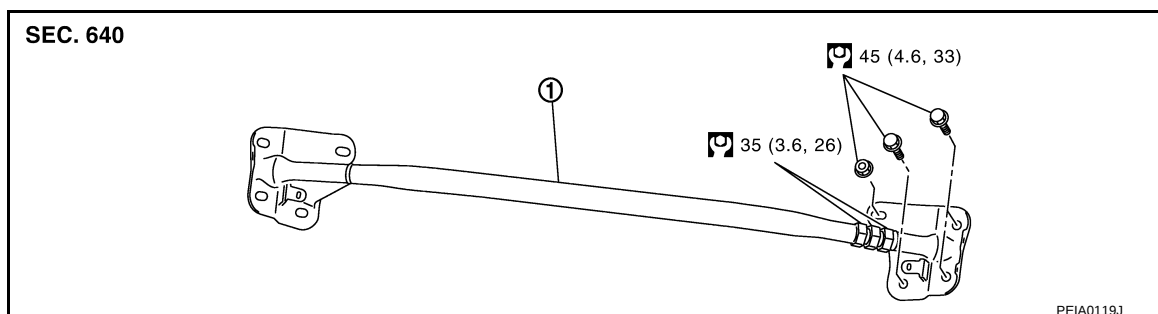
< SERVICE INFORMATION >

TOWER BAR

Removal and Installation

INFOID:000000001646460

COMPONENTS

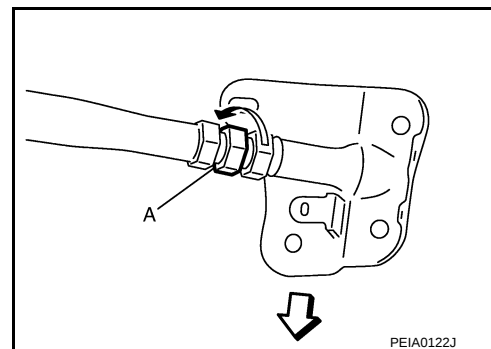


1. Tower bar

Refer to [GI-8, "Component"](#), for the symbols in the figure.

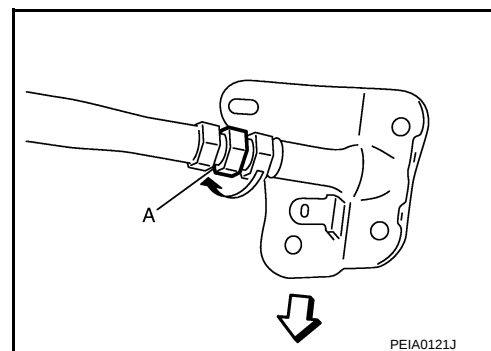
REMOVAL

1. Fix center bolt (A), and then loosen nuts in the right and left side.
2. Loosen center bolt to the direction in the figure on 900° (or turn bolt 2.5 times) to place the red mark of center bolt above.
3. Remove tower bar mounting nuts and bolts, and remove tower bar from vehicle.



INSTALLATION

1. Install tower bar and tighten at the specified torque.
NOTE:
If it is hard to install tower bar, install it turning center bolt.
2. Tighten center bolt (A) to the direction in the figure on 900° (or turn bolt 2.5 times) to place the silver mark of center bolt above.
NOTE:
The space between tower bar and engine collector should be between 8.0 mm (0.394 in) and 16.0 mm (0.669 in).
3. Tighten both nut of the right and left side of center bolt.



SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE INFORMATION >

SERVICE DATA AND SPECIFICATIONS (SDS)

Wheel Alignment (Unladen*)

INFOID:0000000001646461

Camber Degree minute (Decimal degree)	Minimum	-1° 20' (-1.33°)
	Nominal	-0° 35' (-0.58°)
	Maximum	0° 10' (0.17°)
	Left and right difference	45' (0.75°)
Caster Degree minute (Decimal degree)	Minimum	7° 25' (7.42°)
	Nominal	8° 10' (8.17°)
	Maximum	8° 55' (8.92°)
	Left and right difference	45' (0.75°)
Kingpin inclination Degree minute (Decimal degree)	Minimum	4° 20' (4.33°)
	Nominal	5° 05' (5.08°)
	Maximum	5° 50' (5.83°)
Total toe-in	Distance	Minimum 0 mm (0 in)
		Nominal 1 mm (0.04 in)
		Maximum 2 mm (0.08 in)
	Angle (left wheel or right wheel) Degree minute (Decimal degree)	Minimum 0° 00' (0.00°)
		Nominal 0° 02' 30" (0.04°)
		Maximum 0° 05' (0.08°)

*: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.

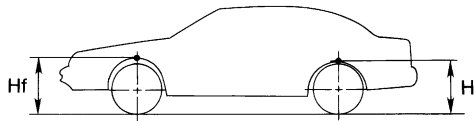
Ball Joint

INFOID:0000000001646462

Swing torque	Less than 2.0 N·m (0.20 kg-m, 18 in-lb) (Upper link) 0.147 - 2.45 N·m (0.02 - 0.24 kg-m, 2 - 21 in-lb) (Compression rod)
Measurement on spring balance (cotter pinhole position)	Less than 34.8 N (3.5 kg, 7.8 lb) (Upper link) 2.37 - 39.5 N (0.24 - 4.03 kg, 0.53 - 8.88 lb) (Compression rod)
Rotating torque	Less than 2.0 N·m (0.20 kg-m, 18 in-lb) (Upper link) 0.147 - 2.45 N·m (0.02 - 0.24 kg-m, 2 - 21 in-lb) (Compression rod)
Axial end play	0 mm (0 in)

Wheelarch Height (Unladen*)

INFOID:0000000001646463



SFA818A

Applied model	225/45R18 (Front) 245/45R18 (Rear)		245/40R18 (Front) 265/35R19 (Rear)
	Coupe	Roadster	Coupe

SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE INFORMATION >

Front (Hf)	683 mm (26.89 in)		683 mm (26.89 in)
Rear (Hr)	706 mm (27.80 in)	705 mm (27.76 in)	703 mm (27.68 in)

*: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.