STEERING SYSTEM

SECTION S

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PRECAUTIONS

Precautions for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

Precautions for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information that is necessary to service the system safely is included in the RS section of this Service Manual.

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the RS section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

Precautions for Steering System

NHST0003

- Before disassembly, thoroughly clean the outside of the unit.
- Disassembly should be done in a clean work area. It is important to prevent the internal parts from becoming contaminated by dirt or other foreign matter.
- Place disassembled parts in order, on a parts rack, for easier and proper assembly.
- Use nylon cloths or paper towels to clean the parts; common shop rags can leave lint that might interfere with their operation.
- Before inspection or reassembly, carefully clean all parts with a general purpose, non-flammable solvent.
- Before assembly, apply a coat of recommended power steering fluid* to hydraulic parts. Vaseline may be applied to O-rings and seals. Do not use any grease.
- Replace all gaskets, seals and O-rings. Avoid damaging O-rings, seals and gaskets during installation. Perform functional tests whenever designated.
 - *: Genuine Nissan PSF II or equivalent. Refer to MA-11, "Fluids and Lubricants".

PREPARATION

Special Service Tools

Special Service Tools

The actual shapes of Kent-Moore tools ma	ay differ from those of special service tools illustrated here.
The detual shapes of Rent Moore tools had	

NHST0004

Tool number (Kent-Moore No.) Description Tool name G	30
KV48100700 Measuring pinion rotating torque (J26364) Torque adapter	ЛА
	EM
NT169	
KV48102500 (J33914) Pressure gauge adapter PF3/8"	
	EC
PF3/8" M16 x 1.5 pitch	
M16 x 1.5 pitch	Ē
NT542	_
ST27180001 (J25726-A) B M10 x 1.25 pitch Removing steering wheel A	71
Steering wheel puller	
29 mm (1.14 in) M8 x 1.25 pitch	SU
NT544	_
HT72520000 (J25730-B) Removing ball joint B a: 33 mm (1.30 in)	3R
Ball joint remover b: 50 mm (1.97 in)	
	ST
PAT.P	
NT546	15
KV48103500 To oil pump To control valve Measuring oil pressure (J26357 and J26357- 10) (female) Image: Control valve PF3/8"	BT
Pressure gauge (male)	пл
Shut-off valve	1A
NT547	
KV48104400 C C C Reforming teflon ring	5G
(-) a: 50 mm (1.97 in) dia. Rack seal ring reformer b: 36 mm (1.42 in) dia.	⊐n
c: 100 mm (3.94 in)	36
a Fine finishing	DX
NT550	

PREPARATION

Special Service Tools (Cont'd)

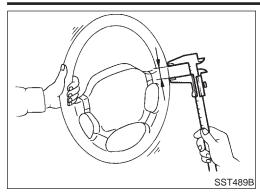
Tool number (Kent-Moore No.) Tool name	Description	
ST3127S000 1 GG91030000 (See J25765-A) Torque wrench 2 HT62940000 (—) Socket adapter 3 HT6290000 (—) Socket adapter 3 HT6290000 (—) Socket adapter	1/4" Torque wrench 2 1/4" with range of 1/4" to 3/8" 2.9 N·m 3 3/8" to 1/2" (30 kg-cm, 26 in-1b) NT541	Measuring turning torque
(J-44372) Spring gauge	LST024	Measuring steering wheel turning force
(J-44183-A) Spring gauge		Measuring rack sliding force
	LST025	

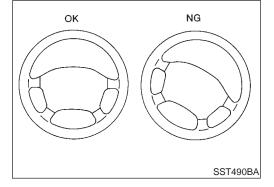
Commercial Service Tool

	Commercial Se		0005
Tool number	Description		
Oil pump attachment	R25 (0.98) Welding 11 (0.43) dia. 50 (1.97) 95 (3.74) 72 (2.83) NT774	Disassembling and assembling oil pump Unit: mm (in)	

			x: Applicable			Symptom			Possible cause and SUSPECTED PARTS	Reference page	Use the ch	-
						STEERING			D PARTS	age	chart below to help you find the	
				Judder	Shimmy	Vibration	Shake	Noise			help you f	
								×	Fluid level	ST-7	ind	
								×	Air in hydraulic system	ST-7	the	
								×	Tie-rod ball joint swinging force	ST-19		
								×	Tie-rod ball joint rotating torque	ST-19	NVH Troubleshooting Chart cause of the symptom. If necessary, repair or replace these	
								×	Tie-rod ball joint end play	ST-19	약 소	
								×	Steering gear fluid leakage	ST-7	Troubleshooting f the symptom. If neces	
								×	Steering wheel play	ST-6	sym	
								×	Steering gear rack sliding force	ST-8	pto	
								×	Drive belt looseness	MA-13	n bo	
					×	×	×		Improper steering wheel		f ne	
					×	×	×		Improper installation or looseness or tilt lock lever	ST-10	ng	
				×	×	×	×		Mounting rubber deterioration	ST-6	ssar C	
						×			Steering column deformation or damage	ST-14	Chart sary, rep	
						×			Improper installation or looseness of steering column	ST-13	epa	
				×	×				Steering linkage looseness	ST-15	ir o	>
						×	×	×	DRIVE SHAFT	AX-3	r re	NVH Tro
				×	×	×	×	×	AXLE	AX-3	olac	Trou
				×	×	×	×	×	SUSPENSION	SU-4	ie tł	ıbles
				×	×	×	×	×	TIRES	SU-4	les	ubleshoo
				×	×		×	×	ROAD WHEEL	SU-4		ting
				×	×		×	×	BRAKES	BR-6	NHSTOOO6SO1 parts.	ubleshooting Chart
	(N) (D)	HA	R S T			8				G	:01	'n

ON-VEHICLE SERVICE





Checking Steering Wheel Play

With wheels in a straight-ahead position, check steering wheel play.

Steering wheel play: 35 mm (1.38 in) or less

If it is not within specification, check the following for loose or worn components.

Steering gear assembly Steering column

Front suspension and axle

Checking Neutral Position on Steering Wheel PRE-CHECKING

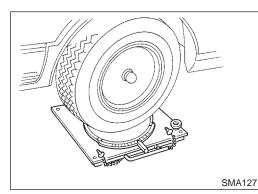
Make sure that wheel alignment is correct.

Wheel alignment: Refer to SU-15, SDS.

• Verify that the steering gear is centered before removing the steering wheel.

CHECKING

- 1. Check that the steering wheel is in the neutral position when driving straight ahead.
- 2. If it is not in the neutral position, remove the steering wheel and reinstall it correctly.
- 3. If the neutral position is between two teeth, loosen tie-rod lock nuts. Turn the tie-rods by the same amount in opposite directions on both left and right sides.



Front Wheel Turning Angle

1. Rotate steering wheel all the way right and left; measure turning angle.

Turning angle of full turns: Refer to SU-15, SDS.

2. If it is not within specification, check rack stroke.

Rack stroke "S": Refer to SDS, ST-30.

Dial gauge Dial gauge SST849C

Checking Gear Housing Movement

- 1. Check the movement of steering gear housing during stationary steering on a dry paved surface.
- Apply a force of 49 N (5 kg, 11 lb) to steering wheel to check the gear housing movement.

Turn off ignition key while checking.

Movement of gear housing:

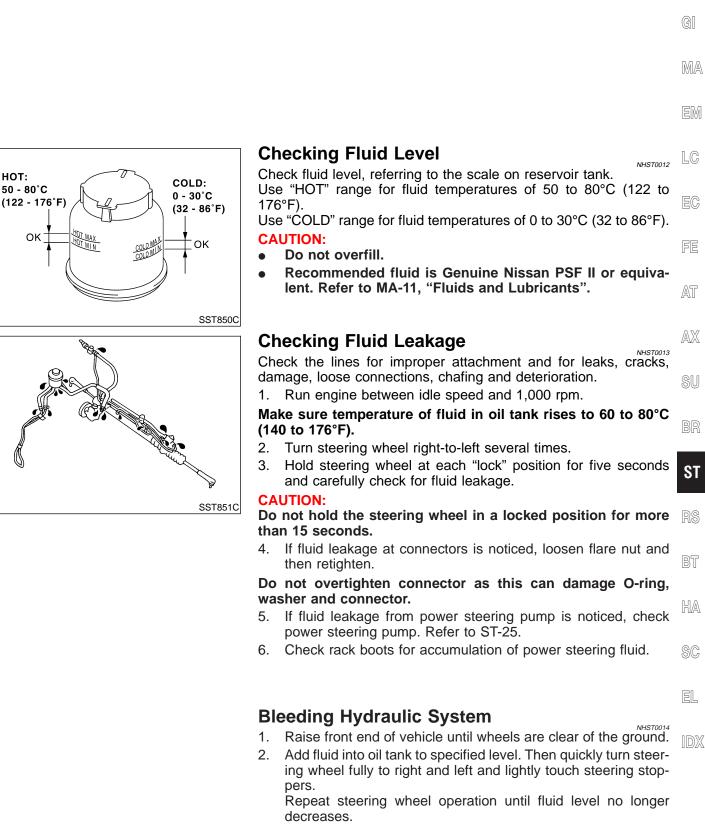
±2 mm (±0.08 in) or less

2. If movement exceeds the limit, replace mount insulator after confirming proper installation of gear housing clamps.

NHST0011

Checking and Adjusting Drive Belts

Refer to MA-13, "Checking Drive Belts".



- 3. Start engine.
 - Repeat step 2. above.
- Incomplete air bleeding will cause the following to occur. When this happens, bleed air again.

ON-VEHICLE SERVICE

- a) Air bubbles in reservoir tank
- b) Clicking noise in oil pump
- c) Excessive buzzing in oil pump

Fluid noise may occur in the valve or oil pump. This is common when the vehicle is stationary or while turning the steering wheel slowly. This does not affect the performance or durability of the system.

Checking Steering Wheel Turning Force

- 1. Park vehicle on a level, dry surface and set parking brake.
- 2. Start engine.
- 3. Bring power steering fluid up to adequate operating temperature. [Make sure temperature of fluid is approximately 60 to 80°C (140 to 176°F).]

Tires need to be inflated to normal pressure.

4. Check steering wheel turning force when steering wheel has been turned 360° from the neutral position.

Steering wheel turning force: 39 N (4 kg, 9 lb) or less

- 5. If steering wheel turning force is out of specification, check rack sliding force.
- a. Disconnect steering column lower joint and knuckle arms from the gear.
- b. Start and run engine at idle to make sure steering fluid has reached normal operating temperature.
- c. Pull tie-rod slowly to move it from neutral position to ± 11.5 mm (± 0.453 in) at speed of 3.5 mm (0.138 in)/s. Check that rack sliding force is within specification.

Average rack sliding force:

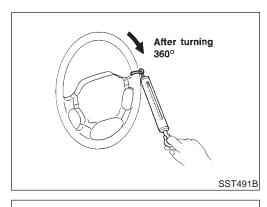
216 - 284 N (22 - 29 kg, 49 - 64 lb) Maximum force deviation: 98 N (10 kg, 22 lb)

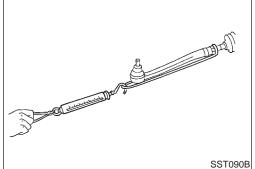
d. Check sliding force outside the above range at rack speed of 40 mm (1.75 in)/s.

Rack sliding force:

Not more than 294 N (30 kg, 66 lb) Maximum force deviation: 147 N (15 kg, 33 lb)

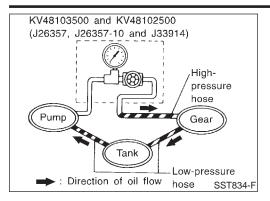
- 6. If rack sliding force is not within specification, overhaul steering gear assembly.
- 7. If rack sliding force is OK, inspect steering column. Refer to ST-13.





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Checking Hydraulic System

Before starting, check belt tension, driving pulley and tire pressure.

- Set Tool. Open shut-off valve. Then bleed air. Refer to "Bleeding Hydraulic System", ST-7.
- 2. Run engine at idle speed or 1,000 rpm.

Make sure temperature of fluid in tank rises to 60 to 80°C (140 to 176°F).

WARNING:

Warm up engine with shut-off valve fully opened. If engine is started with shut-off valve closed, fluid pressure in oil pump increases to maximum. This will raise oil temperature abnormally.

3. Check pressure with steering wheel fully turned to left and right positions with engine idling at 1,000 rpm.

CAUTION:

Do not hold the steering wheel in a locked position for more than 15 seconds.

Oil pump maximum standard pressure:

8,140 - 8,728 kPa (83 - 89 kg/cm², 1,180 - 1,266 psi)

- If pressure reaches maximum operating pressure, system is ${\rm A}{\rm T}$ OK.
- If pressure increases above maximum operating pressure, check power steering pump flow control valve. Refer to ST-25.
- 4. If power steering pressure is below the maximum operating pressure, slowly close shut-off valve and check pressure again.

CAUTION:

Do not close shut-off valve for more than 15 seconds.

- If pressure increases to maximum operating pressure, gear is damaged. Refer to "Removal and Installation", ST-16.
- If pressure remains below maximum operating pressure, pump is damaged. Refer to "Disassembly", ST-26.
- 5. After checking hydraulic system, remove Tool and add fluid as necessary. Then completely bleed air out of system. Refer to ST-7.

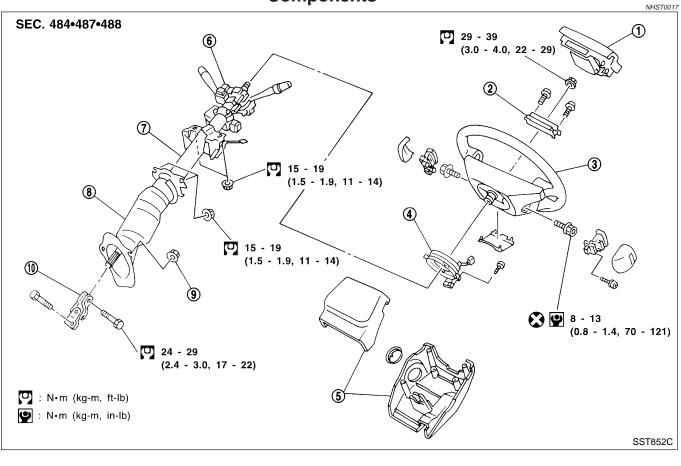
BT

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SC

Components

Components



- 1. Air bag module
- 2. Damper
- 3. Steering wheel
- 4. Spiral cable

5. Column cover

Combination switch

Steering column assembly

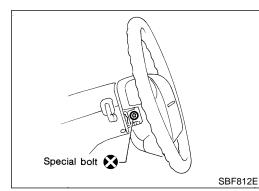
6.

7.

- 8.
- Boot
 Clip
 - 10. Lower joint

CAUTION:

- The rotation of the spiral cable (SRS "Air bag" component part) is limited. If the steering gear must be removed, set the front wheels in the straight-ahead direction. Do not rotate the steering column while the steering gear is removed.
- Remove the steering wheel before removing the steering lower joint to avoid damaging the SRS spiral cable.

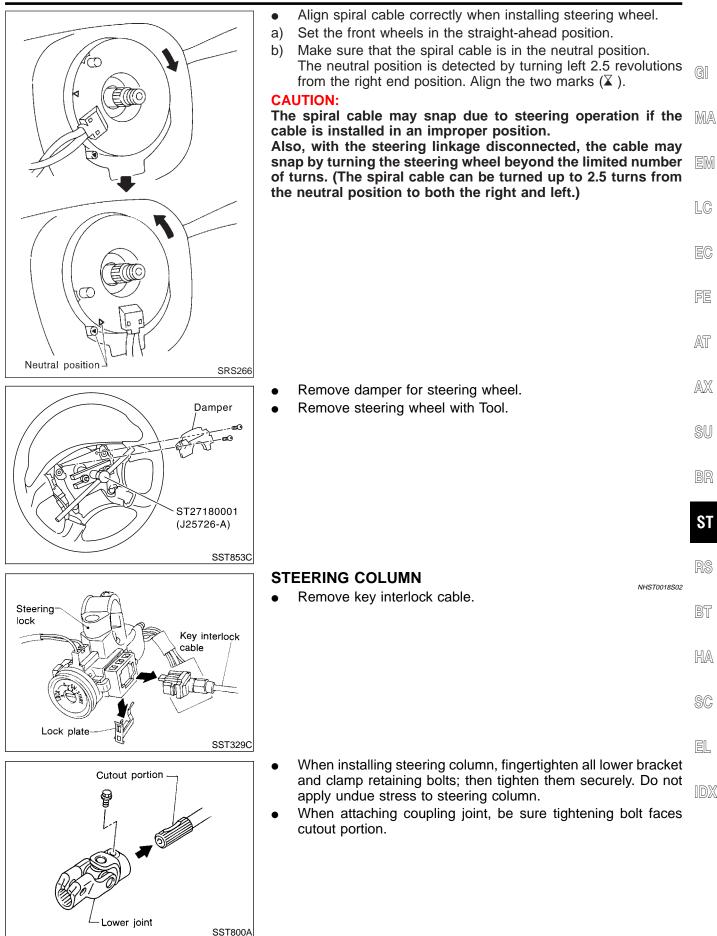


Removal and Installation STEERING WHEEL

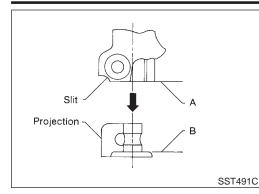
NHST0018

Remove air bag module and spiral cable.
 Refer to RS-20, "Removal — Air Bag Module and Spiral Cable".

Removal and Installation (Cont'd)



Removal and Installation (Cont'd)

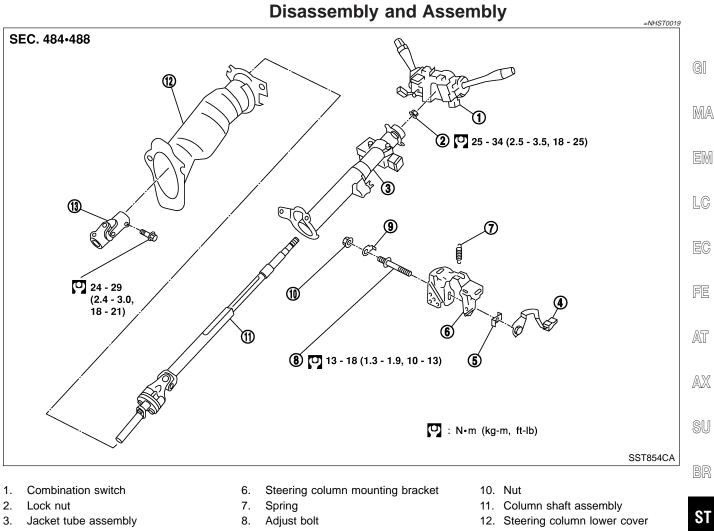


• Align slit of lower joint with projection on dust cover. Insert joint until surface A contacts surface B.

CAUTION:

After installation, turn steering wheel to make sure it moves smoothly. Ensure the number of turns are the same from the straight forward position to left and right locks. Be sure that the steering wheel is in a neutral position when driving straight ahead.

Disassembly and Assembly



- 4. Tilt lever
- 5. Tilt lever stopper

9. Adjust bolt stopper

13. Lower joint

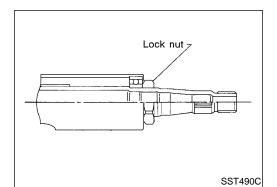
EL

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BT

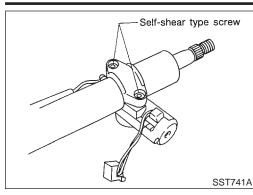
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SC



- When disassembling and assembling, unlock steering lock with key.
- Remove combination switch.
- Install lock nut on steering column shaft and tighten the nut.

Disassembly and Assembly (Cont'd)

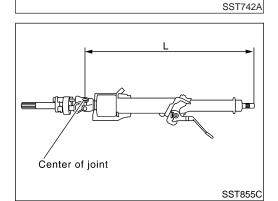


Steering lock

•

a) Break self-shear type screws with a drill or other appropriate tool.

b) Install new self-shear type screws and then cut off self-shear type screw heads.



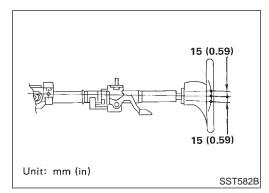
Self-shear screw

Inspection

- When steering wheel does not turn smoothly, check the steering column as follows and replace damaged parts.
- a) Check column bearings for damage or unevenness. Lubricate with recommended multi-purpose grease or replace steering column as an assembly, if necessary.
- b) Check jacket tube for deformation or breakage. Replace if necessary.
- When the vehicle comes into a light collision, check length "L".
 Steering column length "L":

542 - 544 mm (21.34 - 21.42 in)

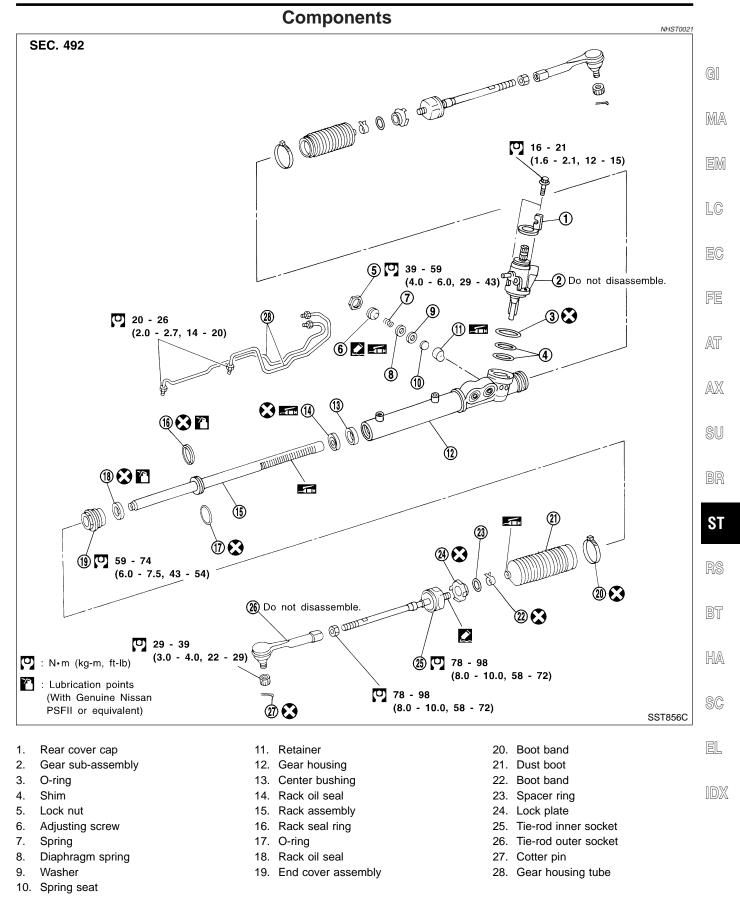
If out of the specifications, replace steering column as an assembly.



TILT MECHANISM

 After installing steering column, check tilt mechanism operation.

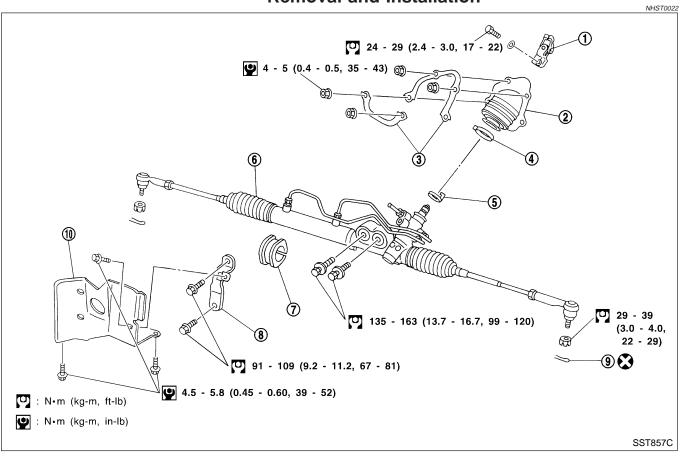
Components



ST-15

Removal and Installation

Removal and Installation



1. Lower joint Hole cover

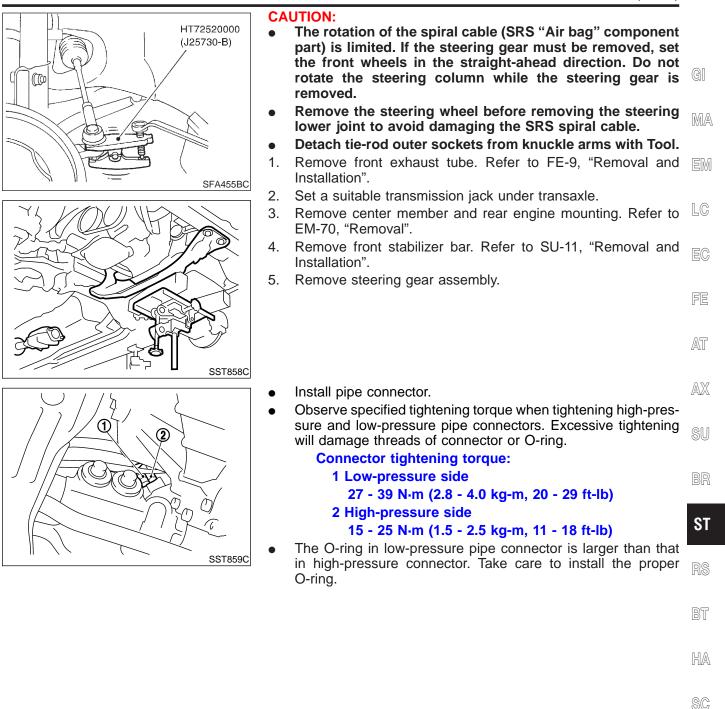
Insulator bracket

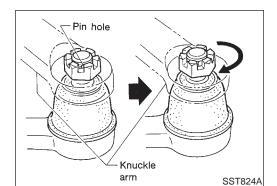
- 5. Rear cover cap
- Gear and linkage assembly 6.
- Rack mounting insulator 7.
- Gear housing mounting bracket 8.
- Cotter pin 9.
- 10. Heat insulator

4. Clamp

2.

3.





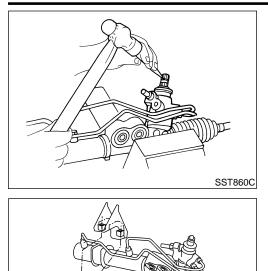
 Initially, tighten nut on tie-rod outer socket and knuckle arm to 29 to 39 N·m (3 to 4 kg-m, 22 to 29 ft-lb). Then tighten further to align nut groove with first pin hole so that cotter pin can be installed.

EL

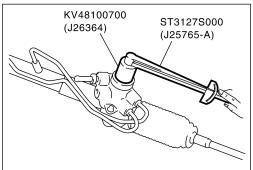
CAUTION:

Tightening torque must not exceed 49 N·m (5 kg-m, 36 ft-lb).

Removal and Installation (Cont'd)



- Before removing lower joint from gear, set gear in neutral (wheels in straight-ahead position). After removing lower joint, put matching mark on pinion shaft and pinion housing to record neutral position.
- To install, set left and right dust boots to equal deflection. Attach lower joint by aligning matching marks of pinion shaft and pinion housing.
- Tighten gear housing mounting bracket bolts in the order shown.



Temporary tightening

(1)+(2)+(3)+(4)

Secure tightening

SST861C

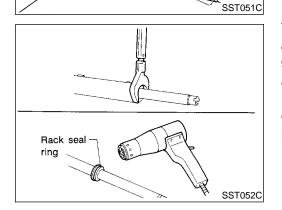
SST862C



- 1. Prior to disassembling, measure pinion rotating torque. Record the pinion rotating torque as a reference.
- Before measuring, disconnect gear housing tube and drain fluid.
- Use soft jaws when holding steering gear housing. Handle gear housing carefully, as it is made of aluminum. Do not grip cylinder in a vise.
- 2. Remove gear sub-assembly, O-ring and shim.

Gear sub-assembly cannot be disassembled. If it is faulty, replace with a new one.

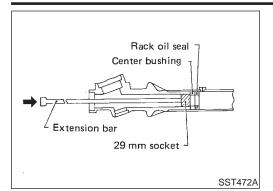
- 3. Remove tie-rod outer sockets and boots.
- 4. Loosen tie-rod inner socket by prying up staked portion, and remove socket and spacer.
- 5. Remove retainer.
- 6. Use a 2 to 2.5 mm (0.079 to 0.098 in) diameter drill to completely remove staked portion of gear housing end.



- 7. Remove end cover assembly with a suitable tool.
- 8. Draw out rack assembly.
- 9. Remove rack seal ring.
- Using a heat gun, heat rack seal to approximately 40°C (104°F).
- Remove rack seal ring.

Be careful not to damage rack.

Disassembly (Cont'd)



10. Remove center bushing and rack oil seal using tape wrapped socket and extension bar.

Do not scratch inner surfaces of pinion housing.

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Inspection

LC Thoroughly clean all parts in cleaning solvent or Genuine NISSAN PSF II or equivalent. Blow dry with compressed air, if available.

BOOT

- NHST0024S01 Check condition of boot. If cracked excessively, replace it.
- Check boots for accumulation of power steering fluid.

RACK

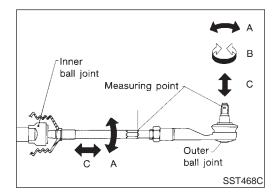
NHST0024S02 Thoroughly examine rack gear. If damaged, cracked or worn, AT replace it.

GEAR SUB-ASSEMBLY

- AX NHST0024S03 Check pinion gear. If it is worn or damaged, replace as a gear sub-assembly.
- Manually spin bearing. If torque variations or free play are noted, replace as a gear sub-assembly.

GEAR HOUSING CYLINDER

NHST0024S04 Check gear housing cylinder bore for scratches or other damage. Replace if necessary. ST

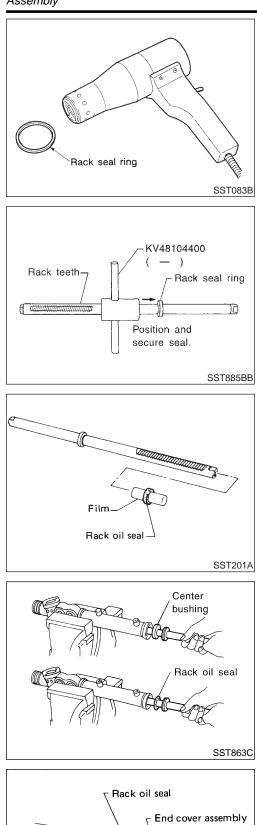


TIE-ROD OUTER AND INNER SOCKETS NHST0024S05 Check ball joints for swinging force. Tie-rod outer and inner ball joints swinging force "A": Refer to SDS, ST-30. Check ball joint for rotating torque. Tie-rod outer ball joint rotating torque "B":

- Refer to SDS, ST-30. SC Check ball joints for axial end play. Tie-rod outer and inner ball joints axial end play "C": Refer to SDS. ST-30.
- EL Check condition of dust cover. If cracked excessively, replace outer tie-rod.

HA

Assembly



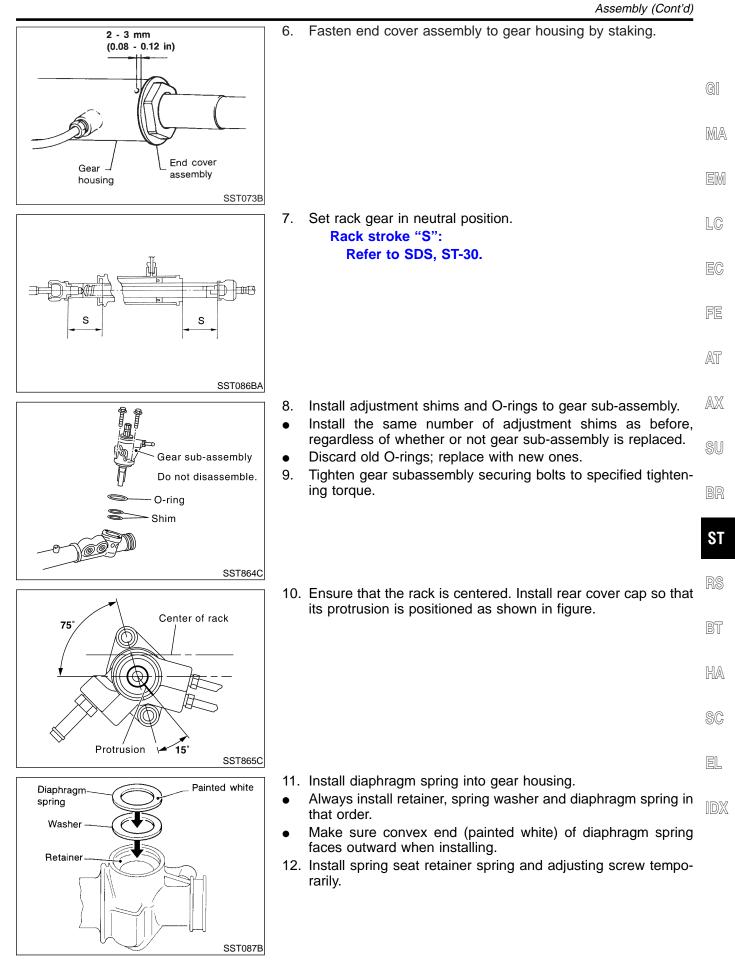
- Assembly
- NHST0025 Using a heat gun, heat new teflon rack seal ring to approxi-1. mately 40°C (104°F). Then place it onto rack.

2. Using Tool, compress rack seal ring securely onto rack. Always insert Tool from the rack gear side.

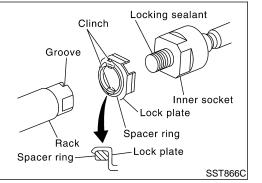
- 3. Insert new rack oil seal.
- Place plastic film into rack oil seal to prevent damage by rack teeth.
- Do not forget to remove plastic film after rack oil seal is positioned properly.
- Make sure lips of rack oil seal face each other.
- 4. Install center bushing and rack oil seal with rack assembly.

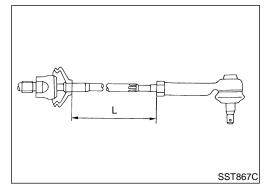
Insert rack oil seal and end cover assembly to rack. Then 5. tighten end cover assembly.

SST321B



Assembly (Cont'd)





- 13. Install lock plate to rack.
- a. Temporarily install spacer ring to rack.

Discard old spacer ring; replace with a new one.

b. Install lock plate to inner socket.

Discard old lock plate; replace with a new one.

- c. Apply a coat of locking sealant to inner socket threads. Screw inner socket into rack and tighten to specified torque.
- d. Clinch lock plate at rack groove location (at two points).
- e. Install spacer ring to lock plate as shown in the Figure at left.

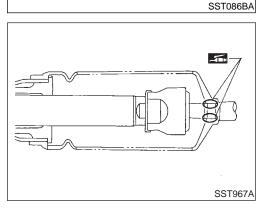
Be careful not to damage spacer ring during installation

14. Tighten outer socket lock nut.

Tie-rod length "L": Refer to SDS, ST-30.

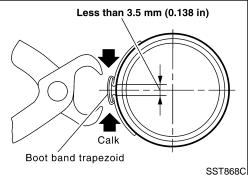
15. Measure rack stroke. Rack stroke "S": Refer to SDS, ST-30.

16. Before installing boot, coat the contact surfaces between boot and tie-rod with grease.



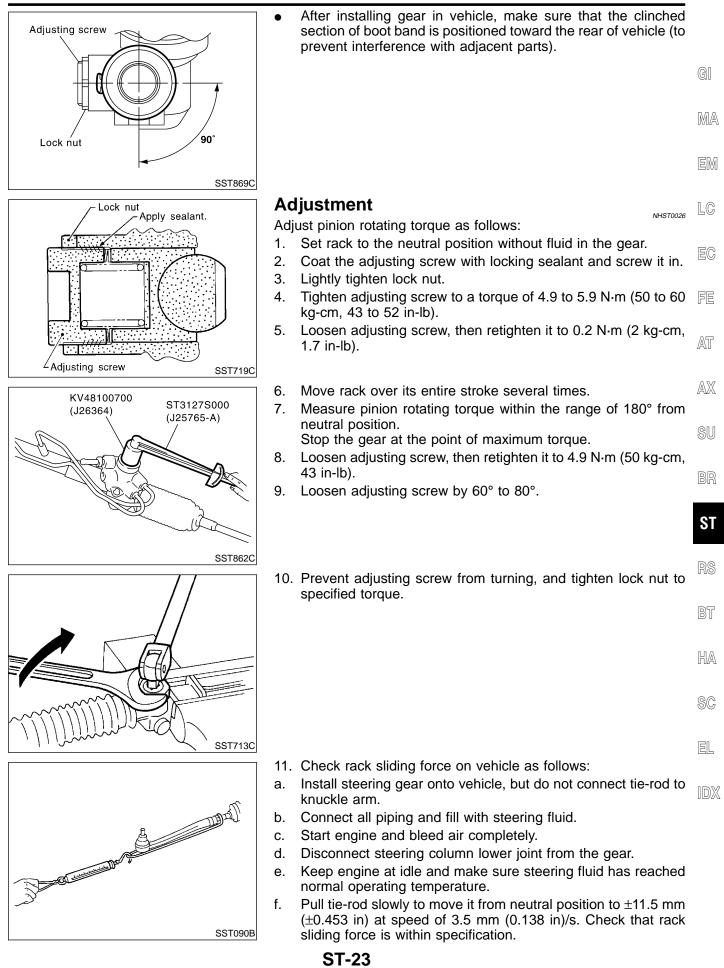
s

s



- 17. Install boot bands.
- Securely install boot band to boot groove and clinch the root section of the trapezoidal area.
- Make sure that there is a clearance of 3.5 mm (0.138 in) or less at the clinched section of the boot band. Refer to the Figure at left.

Assembly (Cont'd)



Average rack sliding force: 216 - 284 N (22 - 29 kg, 49 - 64 lb)

Maximum force deviation:

98 N (10 kg, 22 lb)

g. Check sliding force outside above range at rack speed of 40 mm (1.57 in)/s.

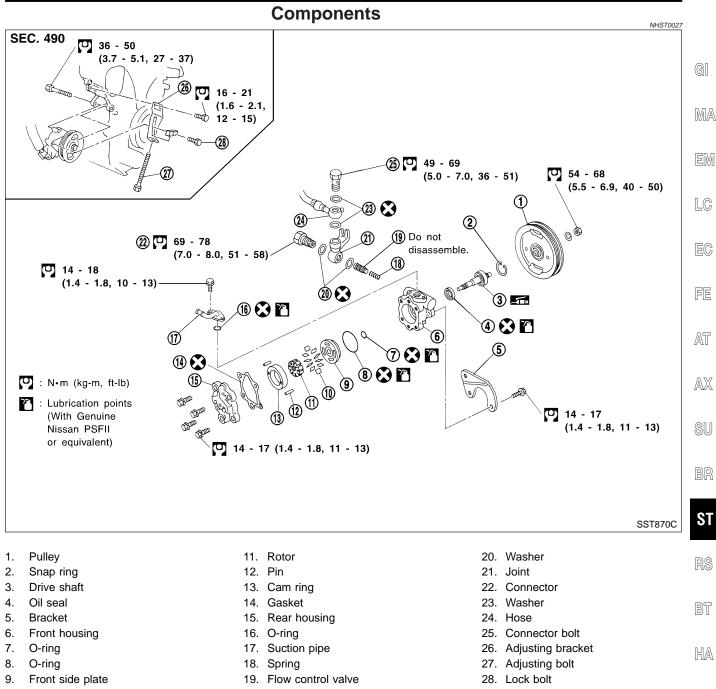
Maximum rack sliding force: 294 N (30 kg, 66 lb) Maximum force deviation:

147 N (15 kg, 33 lb)

- If rack sliding force is not within specification, readjust by repeating adjustment procedure from the beginning.
- If rack sliding force is still out of specification after readjustment, gear assembly needs to be replaced.

POWER STEERING OIL PUMP

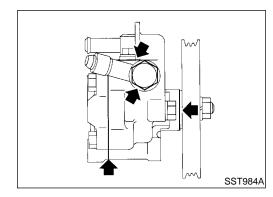
Components



10. Vane

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Pre-disassembly Inspection

Disassemble the power steering oil pump only if the following items are found.

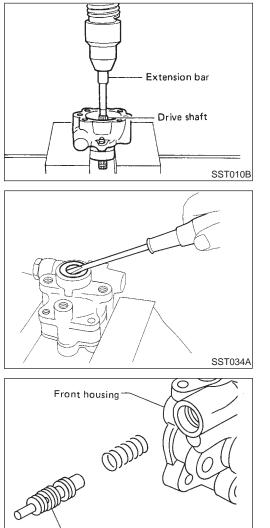
- Oil leak from any point shown in the figure •
- Deformed or damaged pulley •
- Poor performance

Disassembly

CAUTION:

NHST0029

- Parts which can be disassembled are strictly limited. Never disassemble parts other than those specified.
- Disassemble in as clean a place as possible.
- Clean your hands before disassembly.
- Do not use rags; use nylon cloths or paper towels.
- Follow the procedures and cautions in the Service Manual.
- When disassembling and reassembling, do not let foreign matter enter or contact the parts.



Flow control valve

SST036A

Remove snap ring, then draw drive shaft out.
 Be careful not to drop drive shaft.

Remove oil seal.
 Be careful not to damage front housing.

Remove connector and flow control valve with spring.
 Be careful not to drop flow control valve.
 Do not disassemble flow control valve.

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Rear housing side

Faces inside

1

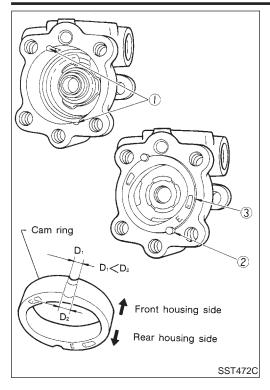
-Flat portion

POWER STEERING OIL PUMP	
 Inspection If pulley is cracked or deformed, replace it. If an oil leak is found around pulley shaft oil seal, replace the seal. If serration on pulley or pulley shaft is deformed or worn, replace it. 	gi Ma
	EM
Assembly Assemble oil pump, noting the following instructions.	LC
 Make sure O-rings and oil seal are properly installed. Always install new O-rings and oil seal. Be careful of oil seal direction. 	EC
 Cam ring, rotor and vanes must be replaced as a set if necessary. 	FE
Coat each part with Genuine Nissan PSF II or equivalent when assembling.	AT
 Pay attention to the direction of rotor. 	AX
Punchmark	SU
	BR
	ST
• When assembling vanes to rotor, rounded surfaces of vanes	RS
must face cam ring side.	BT
	HA
	SC
SST843A	EL

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POWER STEERING OIL PUMP

Assembly (Cont'd)



• Insert pin 2 into pin groove 1 of front housing and front side plate. Then install cam ring 3 as shown at left.

Cam ring:

 D_1 is less than D_2 .

SERVICE DATA AND SPECIFICATIONS (SDS)

General Specifications

General Specifications NHST0032 Power steering Steering model 17 inch tire GI PR26AD Steering gear type Steering overall gear ratio 16.6 MA Turns of steering wheel (Lock to lock) 2.6 Collapsible, tilt Steering column type EM **Steering Wheel** NHST0033 LC Steering wheel axial play mm (in) 0 (0) Steering wheel play mm (in) 35 (1.38) or less EC Movement of gear housing mm (in) ±2 (±0.08) or less **Steering Column** FE NHST0034 Applied model All AT 542 - 544 (21.34 - 21.42) Steering column length "L" mm (in) AX SU BR Center of joint ST SST855C

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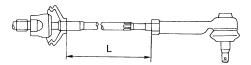
SERVICE DATA AND SPECIFICATIONS (SDS)

Steering Gear and Linkage

Steering Gear and Linkage

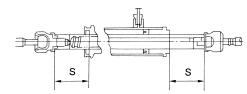
	Steering Gear a	NHST0035
Applied model		All
Steering gear type		PR26AD
	Swinging force at cotter pin hole: "A" N (kg, lb)	6.5 - 65.7 (0.66 - 6.59, 1.5 - 14.8)
Tie-rod outer ball joint	Rotating torque: "B" N·m (kg-cm, in-lb)	0.29 - 2.94 (3.0 - 30.0, 2.6 - 26.0)
	Axial end play: "C" mm (in)	0.4 (0.016) or less
Tie-rod inner ball joint	Swinging force*: "A" N (kg, lb)	5.7 - 45.6 (0.58 - 4.65, 1.3 - 10.3)
	Axial end play: "C" mm (in)	0.2 (0.008) or less
Tie-rod standard length "L" r	nm (in)	193.2 (7.606)

*: Measuring point [*l*: 172 mm (6.77 in)]



SST867C

	Initial tightening torque N·m (kg-cm, in-lb)	4.9 - 5.9 (50 - 60, 43 - 52)
Retainer adjustment	Retightening torque after loosening N·m (kg-cm, in-lb)	0.2 (2, 1.7)
Adjusting screw	Tightening torque after gear has settled N·m (kg-cm, in-lb)	4.9 - 5.9 (50 - 60, 43 - 52)
	Returning angle degree	60° - 80°
Steering gear type		PR26AD
Rack stroke "S" mm (in)		63.0 (2.480)



SST086BA

SERVICE DATA AND SPECIFICATIONS (SDS)

Power Steering

	Power S	steering	NHST003	36
Applied model			All	-
Steering gear type	PR26AD	_		
	Range within ±11.5 mm (±0.453 in)	Average force	216 - 284 (22 - 29, 49 - 64)	_
Rack sliding force N (kg, lb)	from the neutral position at rack speed of 3.5 mm (0.138 in)/s	Maximum force deviation	98 (10, 22)	
Inder normal operating oil pres- sure	Except for the above range	Maximum sliding force	294 (30, 66)	_
	Except for the above failige	Maximum force deviation	147 (15, 33)	_
Steering wheel turning force Measured at one full turn from th		39 (4, 9) or less	_	
Fluid capacity (Approximate) ℓ (JS qt, Imp qt)		1.0 (1-1/8, 7/8)	_
Dil pump maximum pressure kP	a (kg/cm², psi)		8,140 - 8,728 (83 - 89, 1,180 -	_
			1,266)	
			1,200)	-
			1,200)	-
			1,200)	-
			1,200)	_
			1,200)	_

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