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SC

Special Service Tools

ent-Moore tools may differ from those o	f special service tools illustrated here.	NATF000
Description		
a a b	Removing companion flange nut Installing companion flange nut a: 480 mm (18.90 in) b: Pitch dia.: 75 mm (2.95 in) Pin dia.: 10 mm (0.39 in)	
a D	Removing counter gear front bearing (Use with ST36710010) Removing L & H hub a: 110 mm (4.33 in) dia. b: 68 mm (2.68 in) dia.	
NT411	Removing counter gear rear bearing (Use with ST36710010) a: 90 mm (3.54 in) dia. b: 50 mm (1.97 in) dia.	
NT411		
de la companya della companya della companya de la companya della	Removing center case oil seaf Removing rear oil seal a: 250 mm (9.84 in) b: 160 mm (6.30 in)	
NT414		
	Removing companion flange a: 135 mm (5.31 in) b: 100 mm (3.94 in) c: 130 mm (5.12 in)	
NT657	•	
a b	1 Installing center case oil seal 2 Installing rear oil seal a: 77 mm (3.03 in) dia. b: 55.5 mm (2.185 in) dia.	
	NT411 NT411 NT414 NT657	Removing companion flange nut installing counter gear front bearing (Use with ST36710010) Removing counter gear front bearing (Use with ST36710010) Removing counter gear rear bearing (Use with ST3

			= @
Tool number (Kent-Moore No.) Tool name	Description		· · · · · · · · · · · · · · · · · · ·
ST36710010 (—) Drift	NT063	Removing counter gear front bearing (Use with ST30021000) Removing counter gear rear bearing (Use with ST30031000) a: 34.5 mm (1.358 in) dia.	M
ST33061000 (J8107-2) Drift	a b	Removing main gear bearing a: 28.5 mm (1.122 in) dia. b: 38 mm (1.50 in) dia.	
ST30613000 1 (J25742-3) 2 (J34339) Drift	NT116	1 Installing main gear bearing 2 Installing front case cover oil seal a: 72 mm (2.83 in) dia. b: 48 mm (1.89 in) dia.	Fe Cl M'
(J35864) Drift	NT073	Installing shift shaft oil seal a: 26 mm (1.02 in) dia. b: 20 mm (0.79 in) dia. c: 150 mm (5.91 in)	
(J26092) Drift	NT117	Seating counter gear assembly a: 44.5 mm (1.752 in) dia. b: 38.5 mm (1.516 in) dia.][(A
J34291) Shim setting gauge set	PAPAVAL	Selecting counter gear rear bearing shim	— Sl Bf
J34291-20) Plunger-shim setting gauge	NT101	Selecting counter gear rear bearing shim	— \$1 R\$
ne actual shapes of Kent	Commercia -Moore tools may differ from those of special	I Service Tools service tools illustrated here.	_ BT ⁹⁰² HA
Tool name	Description		-
Puller		Removing front drive shaft front bearing Removing front drive shaft rear bearing Removing main gear bearing	– sc El
	NT077		_ IDX

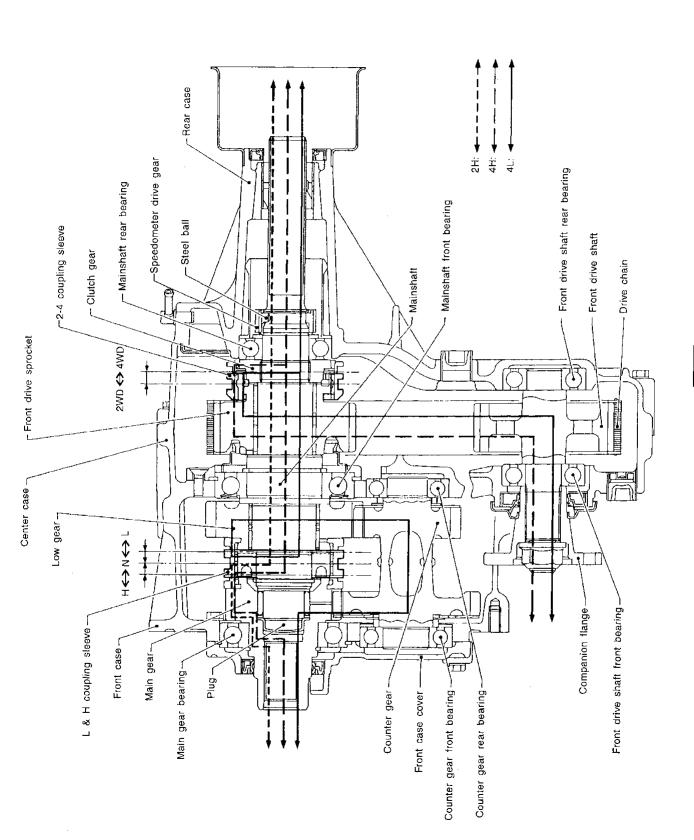
Commercial Service Tools (Cont'd)

Tool name	Description	·
Drift	a b c	1 Installing mainshaft rear bearing 2 Installing L & H hub 1 a: 50 mm (1.97 in) dia. b: 42 mm (1.65 in) dia. c: 180 mm (7.09 in) 2 a: 60 mm (2.36 in) dia. b: 50 mm (1.97 in) dia. c: 60 mm (2.36 in)

TF-4

Cross-sectional View

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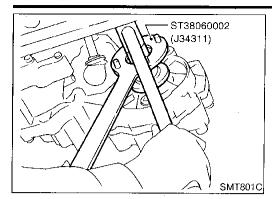
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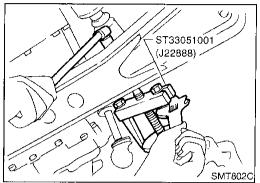
HA

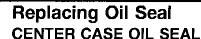
SC

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SMT013D

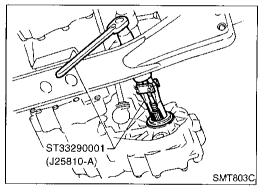




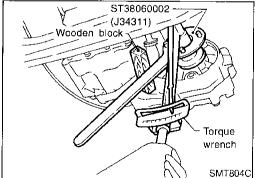


NA11-0004

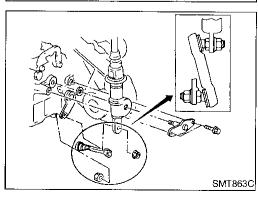
- 1. Remove exhaust front tube and heat insulator. Refer to "Removal", TF-8.
- 2. Remove front propeller shaft. Refer to PD section ("Removal and Installation", "PROPELLER SHAFT").
- 3. Remove companion flange nut.
- 4. Remove companion flange.



- 5. Remove center case oil seal.
- 6. Install center case oil seal.
- Before installing, apply multi-purpose grease to seal lip.
- 7. Install companion flange.



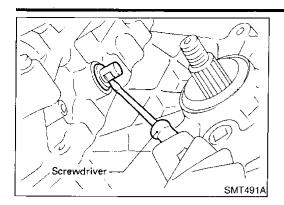
- 8. Tighten nut to the specified torque.
- 9. Install front propeller shaft.



SHIFT SHAFT OIL SEAL

NATF0004S0

- Remove front propeller shaft. Refer to PD section ("Removal and Installation", "PROPELLER SHAFT").
- 2. Remove companion flange. Refer to center case oil seal, TF-6.
- 3. Remove transfer control lever from transfer outer shift lever. Then remove outer shift lever.



Remove shift shaft oil seal. 4.

Be careful not to damage cross shaft.



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Install shift shaft oil seal.

Before installing, apply multi-purpose grease to seal lip.

6. Install transfer control linkage.

Install companion flange. Refer to center case oil seal, TF-6. 7.

Install front propeller shaft.



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SMT807C

Remove rear propeller shaft. Refer to PD section ("Removal and Installation", "PROPELLER SHAFT").

Remove rear oil seal.



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Install rear oil seal.

Before installing apply multi-purpose grease to seal lip.

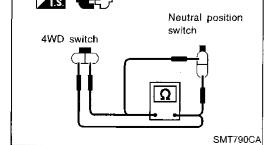
Install rear propeller shaft.

ST

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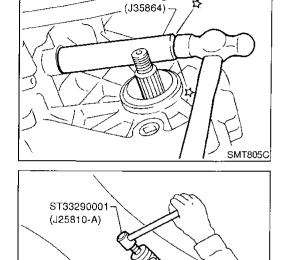


NATE-0005 Switch Gear position Continuity Yes 4WD 4WD switch Except 4WD No Neutral Yes Neutral position switch Except neutral No



TF-7

1023



ST30720000

(J25405)

SU













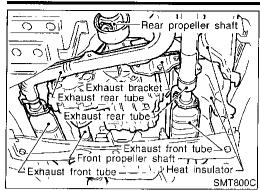


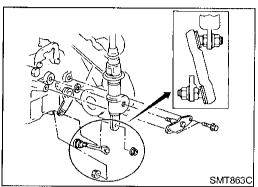


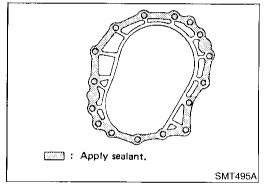


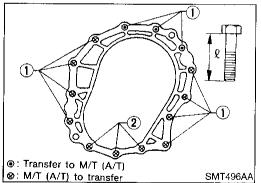












Removal

1. Drain oil from transfer and transmission.

NATF0006

- Remove exhaust front and rear tubes. Refer to FE section ("EXHAUST SYSTEM").
- 3. Remove front and rear propeller shaft. Refer to PD section ("Removal and Installation", "PROPELLER SHAFT").
- 4. Insert plug into rear oil seal after removing propeller shaft.
- Be careful not to damage spline, sleeve yoke and rear oil seal, when removing propeller shaft.
- Disconnect neutral position and 4WD switch harness connectors
- 6. Remove transfer control lever from transfer outer shift lever.
- 7. Remove transfer from transmission.

WARNING:

Support transfer while removing it.

Installation

NATEGORZ

Apply recommended sealant to mating surface to transmission. (M/T model only)

Recommended sealant:

Genuine anaerobic liquid gasket, Three Bond TB1215, Loctite Part No. 51813 or equivalent

Tighten bolts securing transfer.

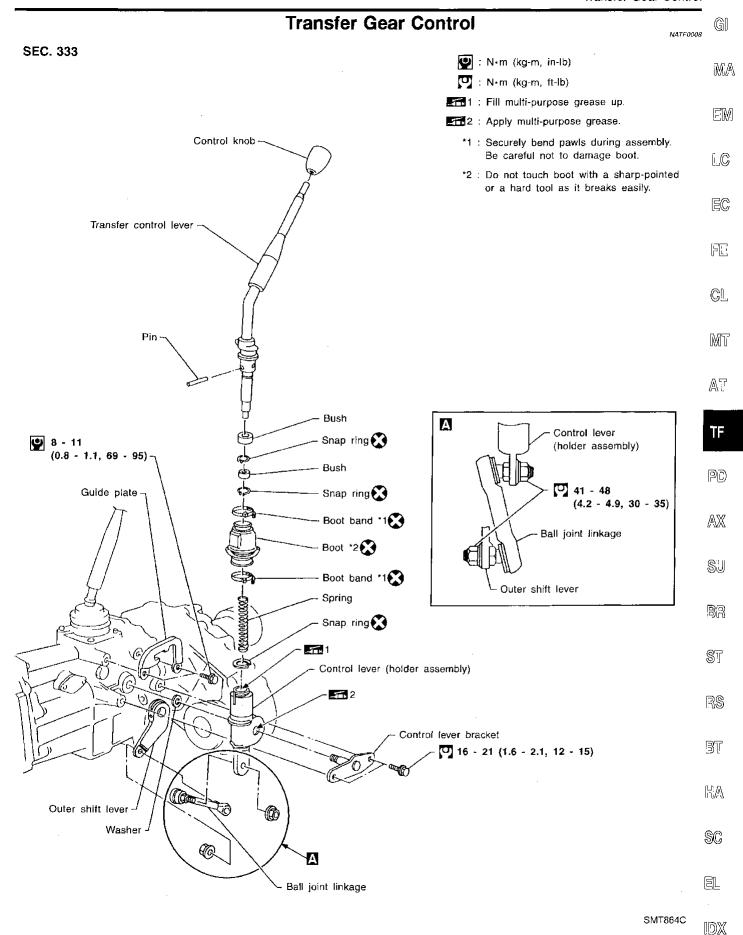
M/T MODEL

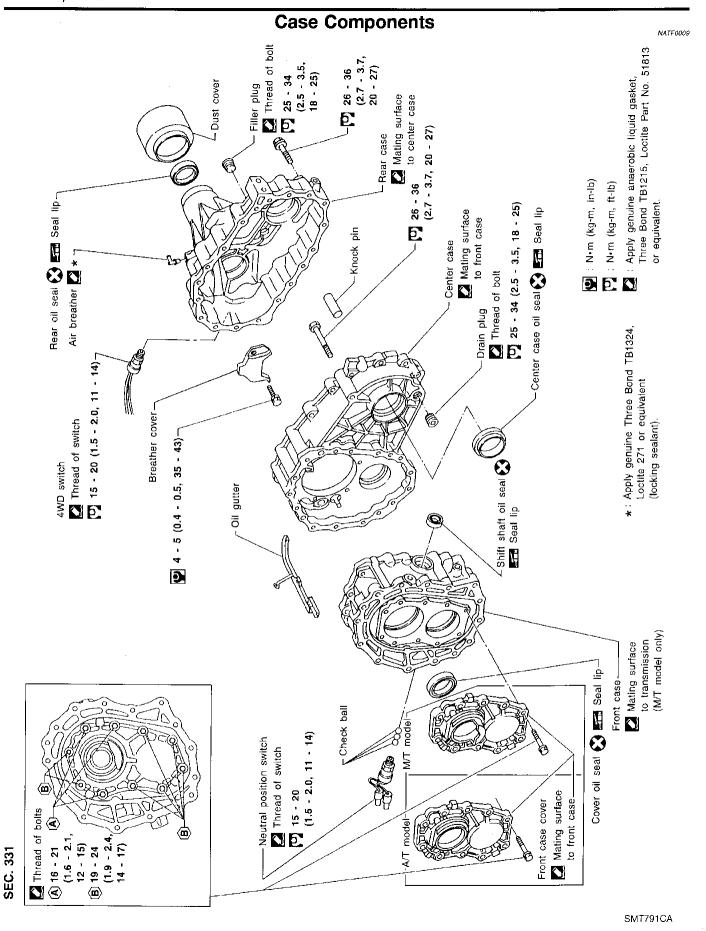
		NATF0007S01
Bolt No.	Tightening torque N·m (kg-m, ft-lb)	ℓ mm (in)
1	31 - 41 (3.2 - 4.2, 23 - 30)	45 (1.77)
2	31 - 41 (3.2 - 4.2, 23 - 30)	60 (2.36)

A/T MODEL

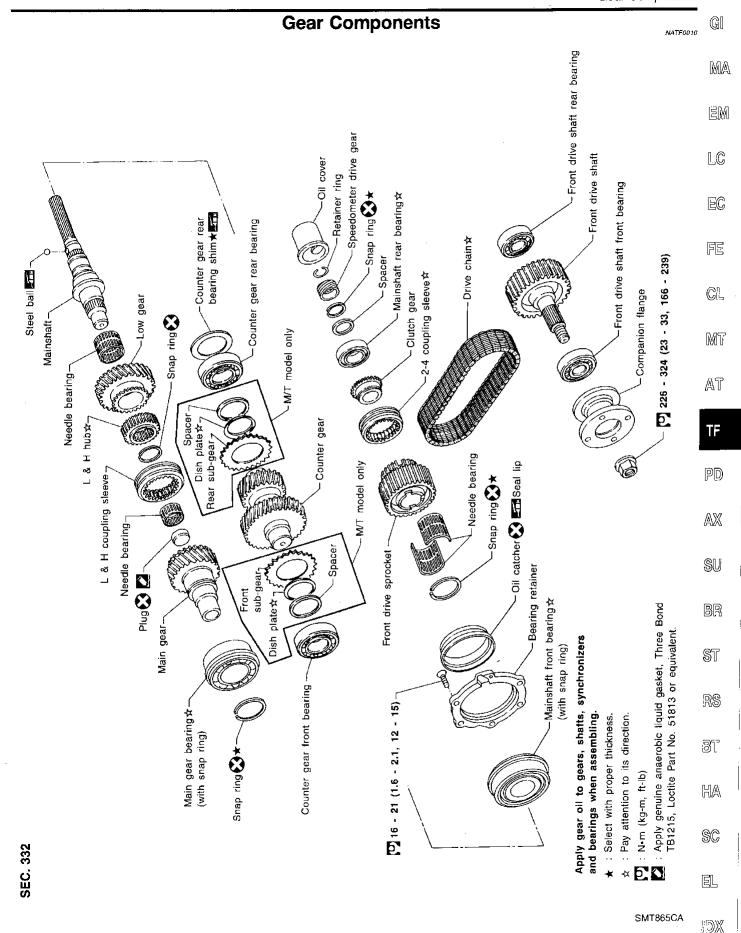
NATF0007S02

Bolt No.	Tightening torque N·m (kg-m, ft-lb)	ℓ mm (in)
1	31 - 41 (3.2 - 4.2, 23 - 30)	60 (2.36)
2	31 - 41 (3.2 - 4.2, 23 - 30)	60 (2.36)



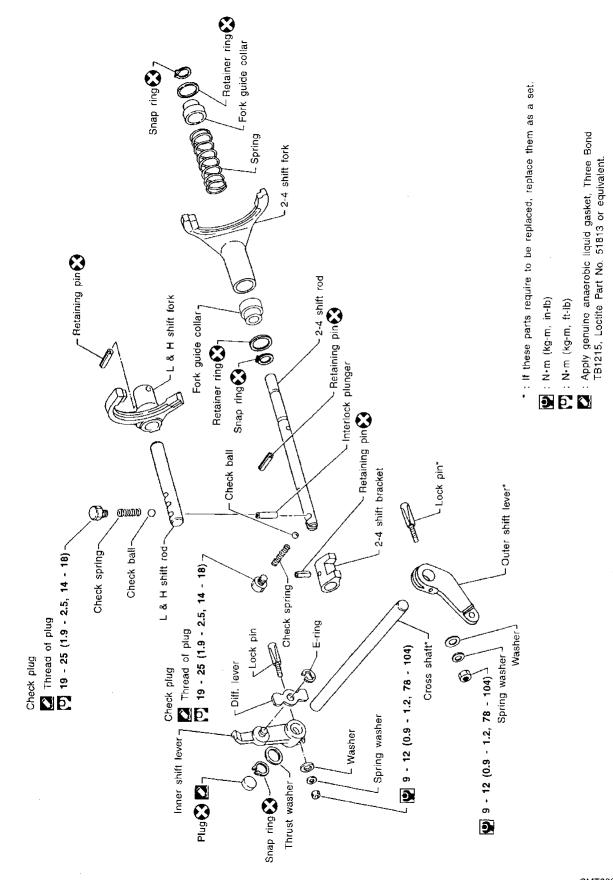


TF-10



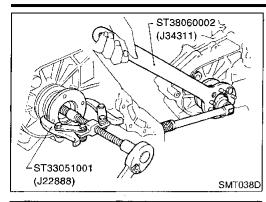
Shift Control Components

NATF0011



SEC. 333

SMT866CA

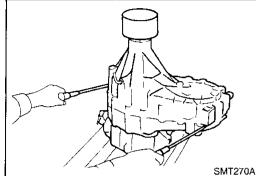


- Remove nut of companion flange. 1.
- 2. Remove companion flange.

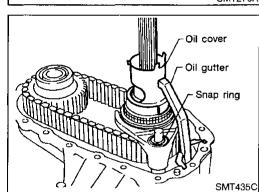


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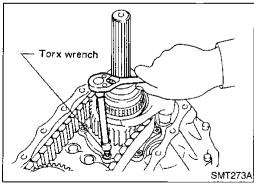
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- PD
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- RS
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 - SC
 - EL
- 1029



- Remove 4WD switch. 3.
- Remove rear case.
- Be careful not to damage the mating surface.



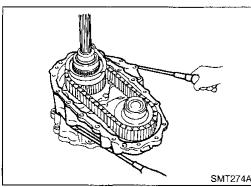
- Remove oil cover and oil gutter.
- Remove snap ring and retainer ring from 2-4 shift rod.



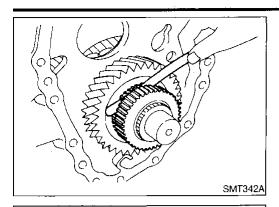
Remove bolts securing bearing retainer.

TF-13

This step is necessary to remove mainshaft from center case.



Remove bolts securing center case to front case and then separate center case and front case.

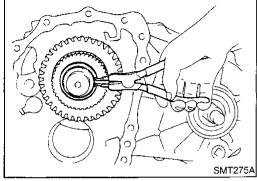


9. Measure end play of low gear.

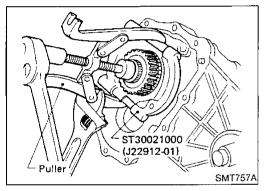
Standard:

0.2 - 0.35 mm (0.0079 - 0.0138 in)

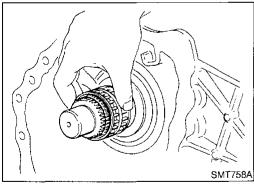
 If end play is beyond the maximum value, check low gear and L & H hub for wear.



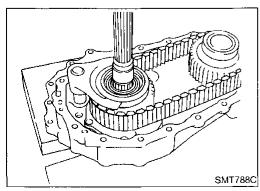
- 10. Disassemble center case assembly.
- a. Remove snap ring from mainshaft.



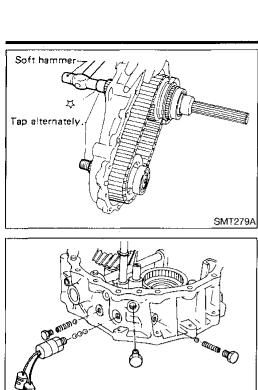
b. Pull out low gear with L & H hub.

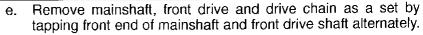


c. Remove needle bearing of low gear.



d. Make sure of the direction of the drive chain before removing it. (It must be reinstalled in the same direction.)



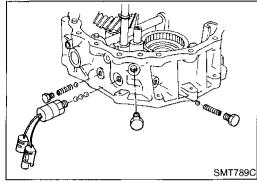


Be careful not to bend drive chain.

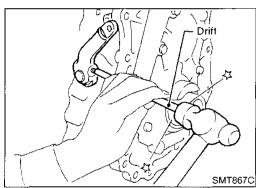


11. Disassemble front case assembly.

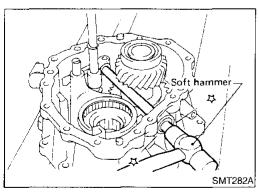
Remove switch, plugs, check springs and check balls.



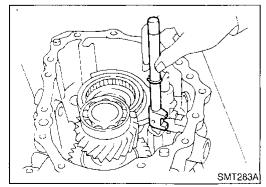
Remove outer shift lever.



Remove lock pin of inner shift lever and drive out cross shaft with plug.



d. Remove 2-4 shift rod.



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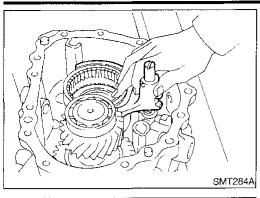
BR

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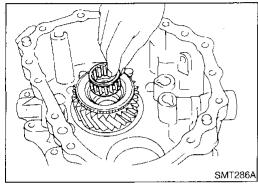
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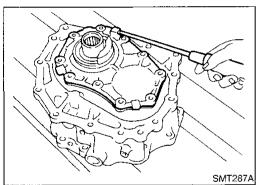
SC



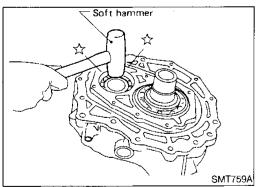
e. Remove L & H shift rod and fork assembly with coupling sleeve.



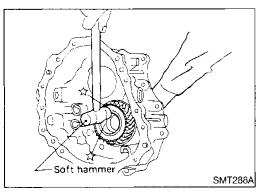
f. Remove needle bearing from main gear.



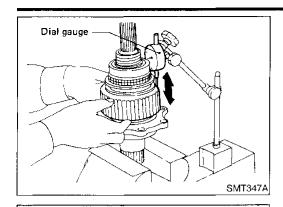
g. Remove bolts securing front case cover and then remove case.



h. Remove counter gear by tapping lightly.



i. Remove main gear by tapping lightly.



Retainer ring

Mainshaft DISASSEMBLY

NATF0013

. Check end play of front drive sprocket.

Standard:

0.2 - 0.35 mm (0.0079 - 0.0138 in)

If end play is beyond the maximum value, check front drive sprocket and clutch gear for wear.

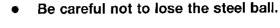
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Remove retainer ring, speedometer drive gear and steel ball.

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Remove snap ring and spacer.

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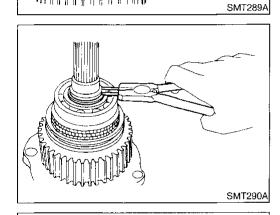
RS

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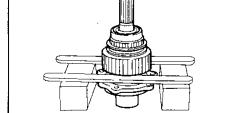
IDX



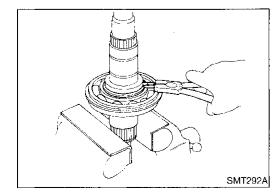
4. Press out front drive sprocket with mainshaft rear bearing and

clutch gear together.

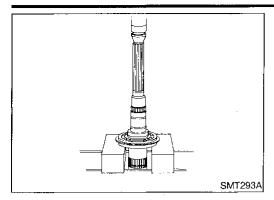
5. Remove needle bearing.



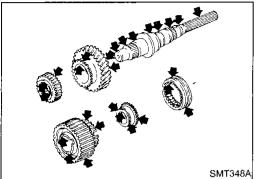
SMT291A



6. Remove bearing retainer and then remove snap ring.



7. Press out mainshaft front bearing from mainshaft.

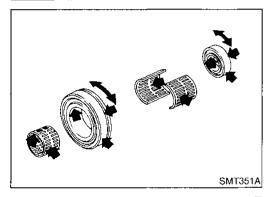


INSPECTION Gear and Shaft

NATF0014

NATF0014S01

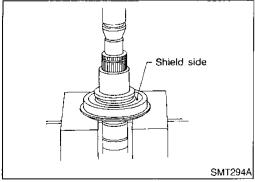
- Check gears for excessive wear, chips or cracks.
- Check shaft for cracks, wear or bending.
- Check coupling sleeve for wear or damage.



Bearing

NATF0014S02

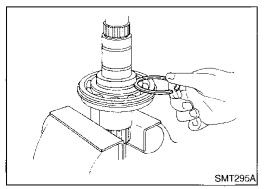
 Make sure bearings roll freely and are free from noise, crack, pitting or wear.



ASSEMBLY

NATF0015

- 1. Press mainshaft front bearing onto mainshaft.
- Pay special attention to its direction.

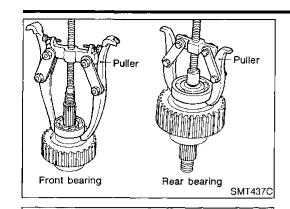


2. Select snap ring with proper thickness and install it.

Allowable clearance between snap ring and groove: 0 - 0.15 mm (0 - 0.0059 in)

Available snap ring for mainshaft front bearing: Refer to SDS, TF-32.

3. Regarding to further procedures, refer to "ASSEMBLY", TF-25.



Front Drive Shaft **DISASSEMBLY**

Front drive shaft front bearing and rear bearing

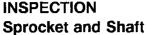
NATF0016

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MA

LC

EC



Check sprocket for excessive wear, chips or cracks.

NATF0017 NATF0017S01

FE

Check shaft for cracks or wear.

Bearing

NATF0017\$02 Make sure bearings roll freely and are free from noise, crack, pitting or wear.

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SMT357A

SMT438C

SMT300A

Rear bearing

ST36710010

Front bearing

ST30021000

Press front drive shaft front bearing and rear bearing.

TF

NATF0018

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1. Press out counter gear front bearing.

BR

Remove front sub-gear, spacer and dish plate (M/T model only).

RS

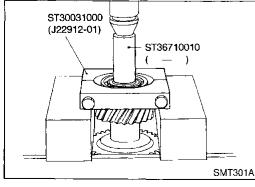
BT

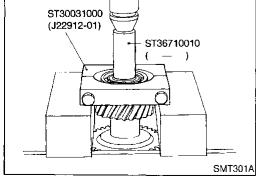
Press out counter gear rear bearing.

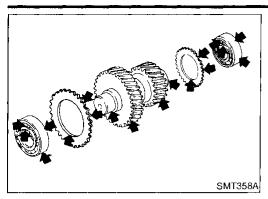
HA Remove rear sub-gear, spacer and dish plate (M/T model only).

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INSPECTION

Gear and Shaft

NATF0020

NATF0020501

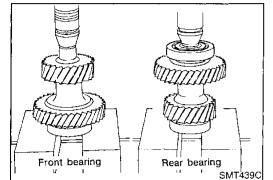
Check gears for excessive wear, chips or cracks.

Check shaft for cracks or wear.

Bearing

NATF0020S02

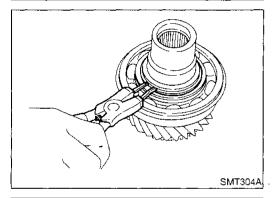
 Make sure bearings roll freely and are free from noise, crack, pitting or wear.



ASSEMBLY

NATE-0021

- Install front sub-gear, dish plate and spacer (M/T model only).
- Press on counter gear front bearing.
- 2. Install rear sub-gear, dish plate and spacer.
- Press on counter gear rear bearing (M/T model only).



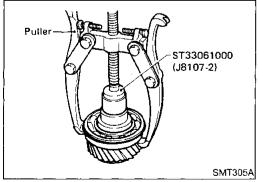
Main Gear DISASSEMBLY Main Gear Bearing

NATF0022

NATE 002

1. Remove snap ring.

NATF0022\$01

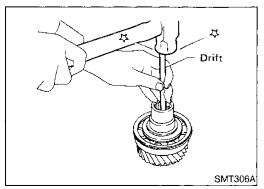


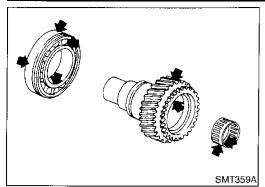
2. Pull out main gear bearing.



NATF0022S02

Always replace it with new one whenever it is removed.





INSPECTION Gear and Shaft

NATF0023

Check gears for excessive wear, chips or cracks.

NATF0023S01

Check shaft for cracks or wear.

Bearing

NATF0023S02

Make sure bearings roll freely and are free from noise, crack, pitting or wear.

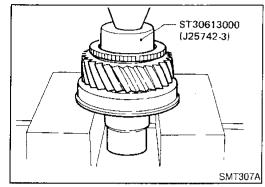
LC

EC

FE

G]

MA



ASSEMBLY Main Gear Bearing

NATE0024

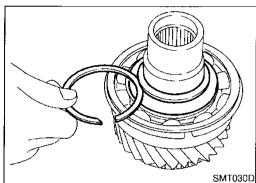
Press on main gear bearing.

NATF0024S01

CL

AT

MIT



Drift -

Select snap ring with proper thickness and install it.

Allowable clearance between snap ring and groove: 0 - 0.15 mm (0 - 0.0059 in)

Available snap ring for main gear bearing: Refer to SDS, TF-32.

Refer to Gear Components, TF-11.

Use a screwdriver to pry out old seal.

Be careful not to damage case.

TF

PD

AX

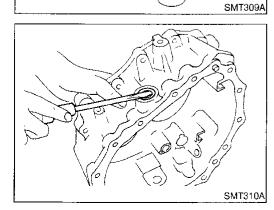
Apply sealant to plug and install it. Sealant:

Plug

NATF0024S02

BR

RS



Front Case REMOVAL Shift Shaft Oil Seal

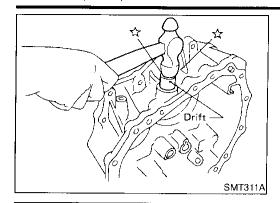
NATE0025

NATF0025S01

SC

Always replace with a new one whenever it has been removed.

]DX

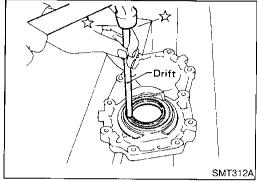


INSTALLATION Shift Shaft Oil Seal

MATERIAN

NATF0026S01

- Install new shift shaft oil seal until flush with case.
- Before installing, apply multi-purpose grease to seal lip.

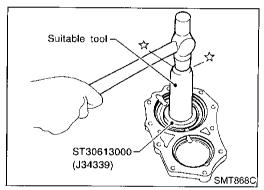


Front Case Cover REMOVAL Cover Oil Seal

NATF0027

NATF0027S01

- Drive out old seal from inside of front case cover.
- Be careful not to damage front case cover.

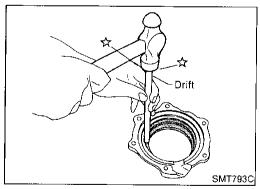


INSTALLATION Cover Oil Seal

NATF0028

NATE0028S01

- Install new front case cover oil seal until it stops.
- Before installing, apply multi-purpose grease to seal lip.



Bearing Retainer REMOVAL Oil Catcher

NATF0029 NATF0029S01

Drive out oil catcher from inside of bearing retainer.

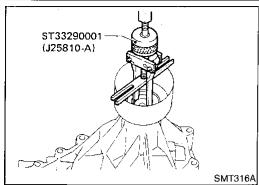
Be careful not to damage bearing retainer.

INSTALLATION Oil Catcher

NATF0030

NATF0030S01

- Install oil catcher until it stops.
- Be careful not to damage or distort oil catcher or bearing retainer.
- Before installing, apply multi-purpose grease to seal lip.



Rear Case REMOVAL Rear Oil Seal

Pull out rear oil seal.

NATF0031

NATF0031S01

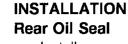
EM

GI

MM

LC

EC



Install new rear oil seal until it stops.

Before installing, apply multi-purpose grease to seal lip.

NATF0032S01 FE

NATF0032

C.L

MT

AT

Air Breather

Install as shown in illustration.

Locking sealant:

Refer to Case Components, TF-10.

NATF0032S02

ΤF

AX

Shift Control Components INSPECTION

Check contact surface and sliding surface for wear, scratches,

projections or other faulty conditions.

BR ST

RS

BT

HA

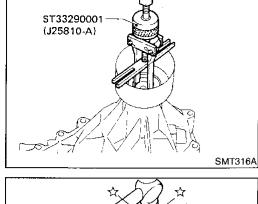
L & H Shift Rod & Fork

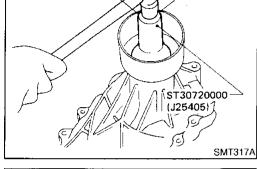
Assemble as shown in illustration.

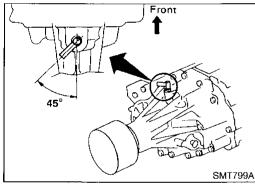
* Retaining pin is the same size as the one for 2-4 shift rod.

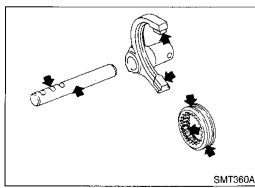
SC

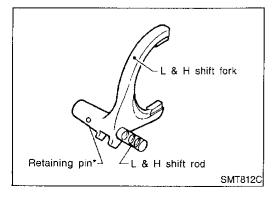






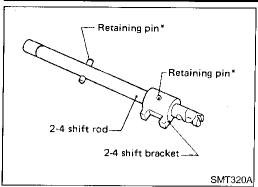






REPAIR FOR COMPONENT PARTS

Shift Control Components (Cont'd)



Fork guide collar 2-4 shift fork Spring - Retainer ring Fork guide collar-Retainer ring

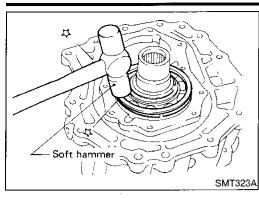
SMT031D

2-4 Shift Rod & Fork

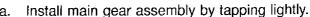
NATF0033S02

- Assemble as shown in illustration.
 - * Retaining pins are the same size.

Pay special attention to the direction of fork guide collar.









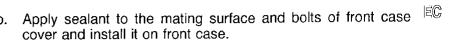
MA



LC

1515

CL



These ten bolts should be coated with sealant.



A: 16 - 21 N·m (1.6 - 2.1 kg-m, 12 - 15 ft-lb)

B: 19 - 24 N·m (1.9 - 2.4 kg-m, 14 - 17 ft-lb)

Sealant:

SMT325A

Refer to Case Components, TF-10.





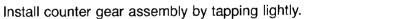
Apply gear oil to needle bearing and install it into main gear.















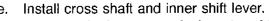












TF-25

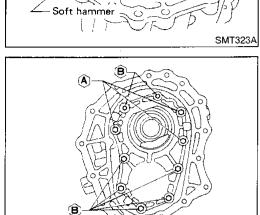
When replacing cross shaft, outer shift lever or lock pin of outer shift lever, replace them as a set.

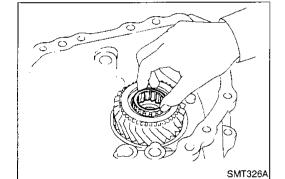


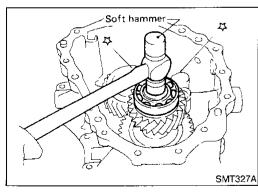


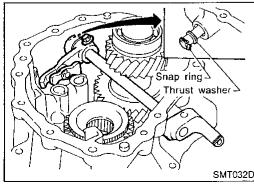
(ID)X

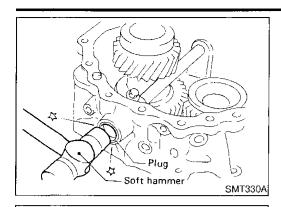








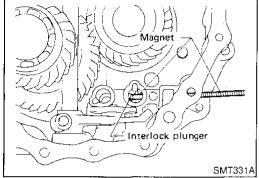




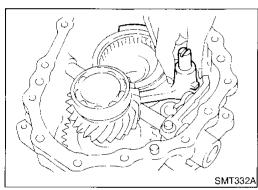
f. Apply sealant to plug and install it into front case.

Sealant:

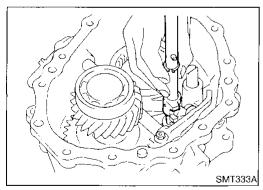
Refer to Case Components, TF-10.



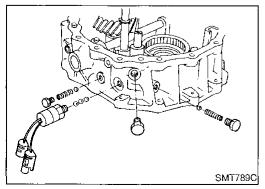
g. Insert interlock plunger into front case.



h. Install L & H shift rod and fork assembly with coupling sleeve.



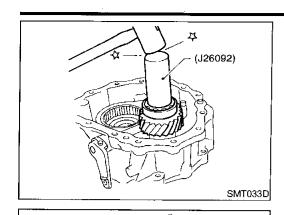
i. Install 2-4 shift rod.



- j. Install switches, check balls, check springs and plugs.
- Apply sealant to switches and plugs.

Sealant:

Refer to Case Components, TF-10.



- (J34291-2)

(J34291-5)

Center case

SMT591A

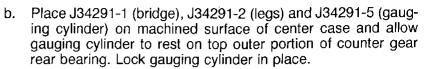
(J34291-1)

- 2. Select counter gear rear bearing shim.
- a. Seat counter gear assembly.





LC





CL

MIT

AT

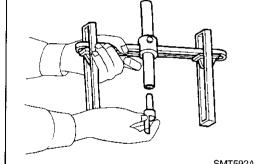
Insert J34291-20 (gauging plunger) into J34291-5 (gauging cylinder).



PD

AXX

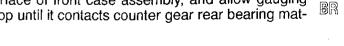
SU



Place bridge, legs, gauging cylinder and gauging plunger onto

machined surface of front case assembly, and allow gauging plunger to drop until it contacts counter gear rear bearing mat-

ing surface.



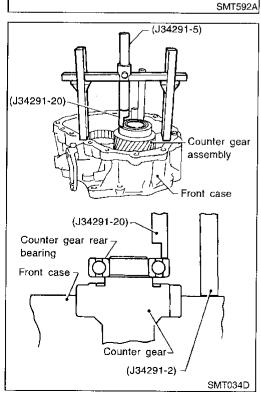
ST

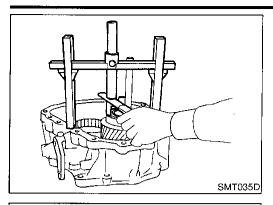
RS

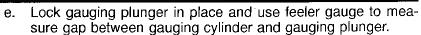
BT

HA

SC



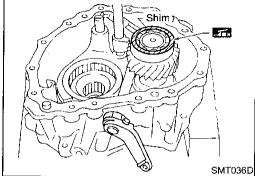




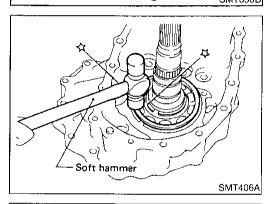
f. Use measured distance and following chart to select correct shim.

Counter gear end play: 0 - 0.2 mm (0 - 0.008 in) Counter gear rear bearing shim: Refer to SDS, TF-33.

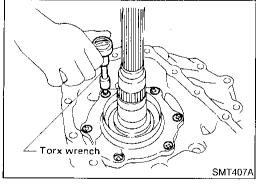
g. Select counter gear rear bearing shim.



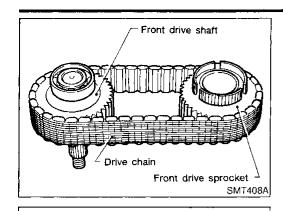
- 3. Place suitable shim on counter gear rear bearing with grease.
- 4. Apply ATF to each part in front case.



- 5. Assemble center case assembly.
 - a. Install mainshaft on center case by tapping lightly.
- Apply ATF to mainshaft front bearing.



b. Install bearing retainer.



c. Put drive chain onto the front drive sprocket and front drive shaft, and then put them in center case.







LC



EC



CL.

MT

AT

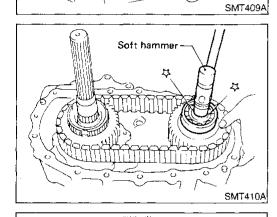
PD

AX

SU



Make sure shafts are lined up in the case.



 Apply ATF to needle bearings and install them into front drive sprocket.

BR

These needle bearings can be installed more easily if front drive sprocket is rotated while installing them.

ST

RS

BT

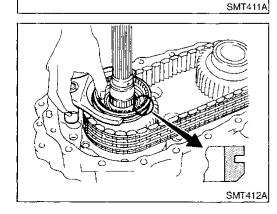
HA

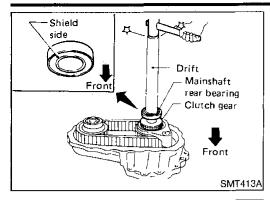
Install 2-4 coupling sleeve with 2-4 shift fork.
 Pay special attention to direction of coupling sleeve.

L GD G

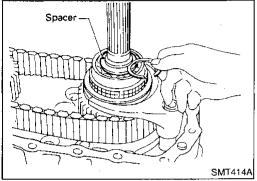
SC

EL





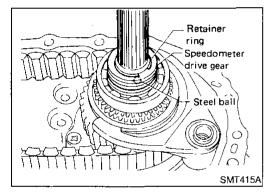
- g. Install clutch gear and mainshaft rear bearing.
- Place wooden block under mainshaft in order to protect mainshaft front bearing.



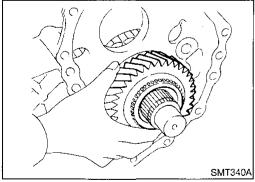
- h. Install spacer.
- Select snap ring with proper thickness and install it.

Allowable clearance between snap ring and groove: 0 - 0.15 mm (0 - 0.0059 in)

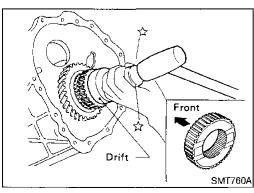
Available snap ring for mainshaft rear bearing: Refer to SDS, TF-32.



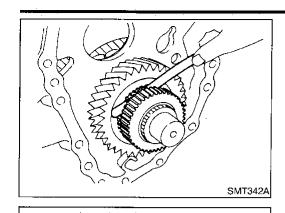
- j. Install steel ball, speedometer drive gear and retainer ring.
- Steel ball is the smallest of check balls for this unit.



- k. Install low gear and its bearing to mainshaft.
- Apply ATF to needle bearing.



- I. Install L & H hub and snap ring to mainshaft.
- Pay special attention to direction of L & H hub.



Measure end play of low gear.

Standard:

0.2 - 0.35 mm (0.0079 - 0.0138 in)

AM

Gi

LC

Apply sealant to mating surface and put center case assembly onto front case and tighten bolts.

EC

Sealant:

Refer to Case Components, TF-10.

CL

MT

AT

7. Install snap ring to 2-4 shift rod.

TF

PD

 $\mathbb{A}\mathbb{X}$

SU

BR

RS

Bī

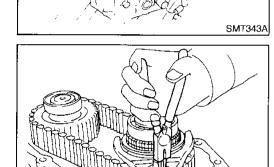
AH

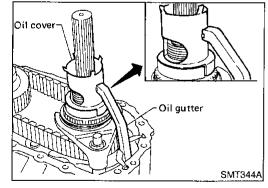
SC

IDX



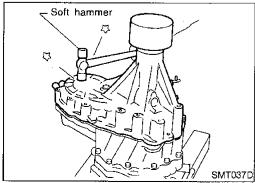
EL,





SMT272A

- Install oil gutter and oil cover.
- Apply ATF to each part in center case.



- 10. Apply sealant to mating surface and install rear case on center case.
- 11. Install 4WD switch.
- Apply sealant to thread of switch.

Sealant:

Refer to Case Components, TF-10.

	Ger	eral Specif	ications	NATF003
Transfer model			TX10A	
Gear ratio	High		1.000	
	Low		2.020	
	Main gear		29	
	Low gear		37	
		High	38	
Number of teeth	Counter gear	Low	24	
	Front drive sprock	vet .	41	· •
	Front drive shaft		41	· · · · · · · · · · · · · · · · · · ·
Fluid capacity ℓ (US qt, Imp qt)			2.2 (2-3/8, 2)	
	Gea	r End Play		NATF003 Unit: mm (in
Front drive sprocket			0 - 0.54 (0 - 0.0213)	
Low gear			0.2 - 0.35 (0.0079 - 0.0138)	
Counter gear		0 - 0.2 (0 - 0.008)		
ovarnor god:			0, 0.2 (0 0.000)	
		ilable Snap		
		ilable Snap		
MAINSHAFT FRONT BI		ilable Snap	Ring	
MAINSHAFT FRONT BI Allowable clearance Thicknes 3.10 (3.19 (EARING	ilable Snap	0 - 0.15 mm (0 - 0.0059 in)	
MAINSHAFT FRONT BI Allowable clearance Thicknes 3.10 (3.19 (3.28 (EARING ss mm (in) (0.1220) (0.1256) (0.1291)	ilable Snap	Part number 33138-73P10 33138-73P11	NATF0037\$0 I
MAINSHAFT FRONT BI Allowable clearance Thickness 3.10 (3.19 (3.28 (EARING ss mm (in) (0.1220) (0.1256) (0.1291)	ilable Snap	Part number 33138-73P10 33138-73P11	
MAINSHAFT FRONT BI Allowable clearance Thicknes 3.10 (3.19 (3.28 (MAINSHAFT REAR BEA Allowable clearance	EARING ss mm (in) (0.1220) (0.1256) (0.1291)	ilable Snap	Part number 33138-73P10 33138-73P12	NATF0037S0 I
MAINSHAFT FRONT BI Allowable clearance Thicknes 3.10 (3.19 (3.28 (MAINSHAFT REAR BE Allowable clearance Thicknes 1.80 (1.89 (1.98 (2.07 ()	EARING ss mm (in) (0.1220) (0.1256) (0.1291) ARING	ilable Snap	Part number 33138-73P10 33138-73P12 0 - 0.15 mm (0 - 0.0059 in)	NATF0037\$0 I
MAINSHAFT FRONT BI Allowable clearance Thicknes 3.10 (3.19 (3.28 (MAINSHAFT REAR BE Allowable clearance Thicknes 1.80 (1.89 (1.98 (2.07 ()	EARING ss mm (in) (0.1220) (0.1256) (0.1291) ARING ss mm (in) (0.0709) (0.0744) (0.0780) (0.0815)	ilable Snap	Ring 0 - 0.15 mm (0 - 0.0059 in) Part number 33138-73P10 33138-73P12 0 - 0.15 mm (0 - 0.0059 in) Part number 33138-73P20 33138-73P21 33138-73P22 33138-73P22 33138-73P23	NATF0037S01
MAINSHAFT FRONT BI Allowable clearance Thickness 3.10 (3.19 (3.28 (MAINSHAFT REAR BEA Allowable clearance Thickness 1.80 (1.89 (1.98 (2.07 (2.16 (EARING ss mm (in) (0.1220) (0.1256) (0.1291) ARING ss mm (in) (0.0709) (0.0744) (0.0780) (0.0815)	ilable Snap	Ring 0 - 0.15 mm (0 - 0.0059 in) Part number 33138-73P10 33138-73P12 0 - 0.15 mm (0 - 0.0059 in) Part number 33138-73P20 33138-73P21 33138-73P22 33138-73P22 33138-73P23	NATF0037S0 I
MAINSHAFT FRONT BI Allowable clearance Thickness 3.10 (3.19 (3.28 (MAINSHAFT REAR BEA Allowable clearance Thickness 1.80 (1.89 (1.98 (2.07 (2.16 (MAIN GEAR BEARING Allowable clearance	EARING ss mm (in) (0.1220) (0.1256) (0.1291) ARING ss mm (in) (0.0709) (0.0744) (0.0780) (0.0815)	ilable Snap	Part number 33138-73P10 33138-73P11 33138-73P12 0 - 0.15 mm (0 - 0.0059 in) Part number 33138-73P20 33138-73P21 33138-73P21 33138-73P22 33138-73P23 33138-73P23 33138-73P24	NATF0037S01

Available S	him		GI
OUNTER GEAR REAR BEARING		NATF0038 NATF0038\$01	
Allowable clearance	0 - 0.2 mm (0 - 0.008 in)		MA
Thickness mm (in)	Part number		
0.1 (0.004) 0.2 (0.008) 0.3 (0.012) 0.4 (0.016)	33112-C6900 33112-C6901 33112-C6902 33112-C6903		EM LC
0.5 (0.020) 0.6 (0.024)	33112-33G00 33112-33G01		
			EC
			CL
			MT
		ı	AT
			TF
		55.	PD
		ß	AX
		()	SU
			BR
			ST
		6	ועב
		Ē	38
		r	87

SC