

# CLUTCH DISC AND CLUTCH COVER

## < UNIT REMOVAL AND INSTALLATION >

- p. Install transaxle assembly to the vehicle. Refer to [TM-88. "Removal and Installation"](#) (2WD) or [TM-148. "Removal and Installation"](#) (4WD).

## R9M : Inspection

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### INSPECTION AFTER REMOVAL

#### CLUTCH DISC

- Measure circumferential runout relative to clutch disc center spline. If it is outside the specification, replace clutch disc.

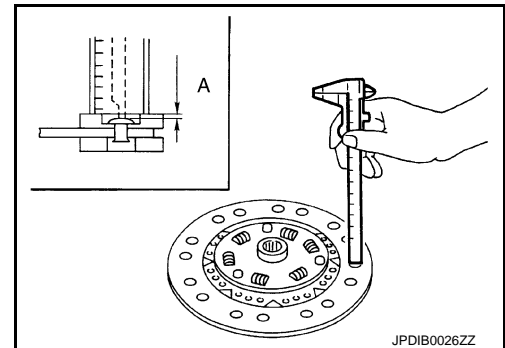
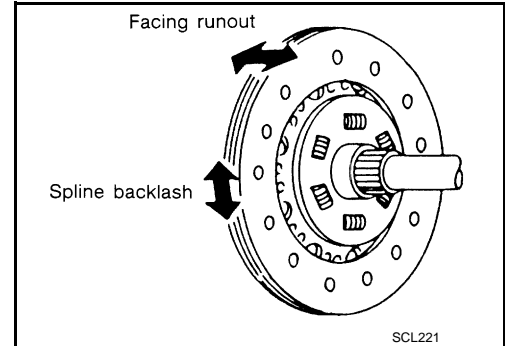
**Runout limit/diameter of the area to be measured** : Refer to [CL-31. "Clutch Disc"](#).

- Measure backlash to clutch disc spline and main drive gear spline at the circumference of clutch disc. If outside the specification, replace clutch disc.

**Maximum allowable spline backlash (at outer edge of disc)** : Refer to [CL-31. "Clutch Disc"](#).

- Measure the depth "A" to clutch disc facing rivet heads using calipers. If it exceeds the allowable facing wear limit, replace clutch disc.

**Facing wear limit (depth to the rivet head)** : Refer to [CL-31. "Clutch Disc"](#).



#### CLUTCH COVER

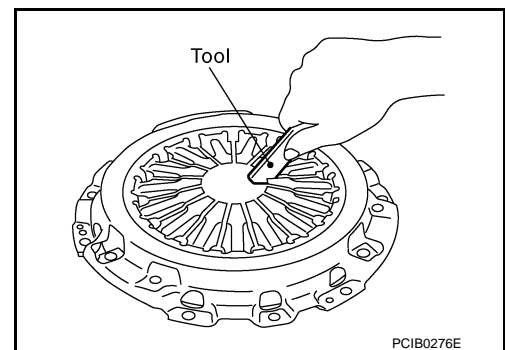
Check diaphragm spring lever claws for unevenness with the lever still on the vehicle. If they exceed the tolerance, adjust lever height using the diaphragm adjusting wrench [SST: ST20050240].

**Tolerance for diaphragm spring lever unevenness** : Refer to [CL-31. "Clutch Cover"](#).

- Check clutch cover thrust ring for wear or breakage. If wear or breakage is found, replace clutch cover.

#### NOTE:

- Worn thrust ring will generate a beating noise when tapped at the rivet with a hammer.
- Broken thrust ring will make a clinking sound when cover is shaken up and down.
- If a trace of burn or discoloration is found on the clutch cover pressure plate to clutch disc contact surface, repair the surface with sandpaper. If surface is damaged or distorted, replace clutch cover.



## SERVICE DATA AND SPECIFICATIONS (SDS)

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### Clutch Control System

INFOID:0000000010288582

Type of clutch control	Hydraulic
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### Clutch Pedal

INFOID:0000000010288583

Unit: mm (in)

Clearance "A" between clutch pedal and ASCD switch threaded end while clutch pedal is fully released.	0.2 - 1.96 (0.008 - 0.0772)
Clearance "B" between clutch pedal and Interlock switch threaded end while clutch pedal is fully released.	0.2 - 1.96 (0.008 - 0.0772)

### Clutch Disc

INFOID:0000000010288584

Unit: mm (in)

Engine type	HRA2DDT	K9K	R9M	MR20DD
Model	225		240	230
Facing size (Outer dia. × Inner dia. × Thickness)	225 × 150 × 2.9 (8.9 × 5.91 × 0.114)	225 × 150 × 2.9 (8.9 × 5.91 × 0.114)	239 × 170 × 3.45 (9.41 × 6.69 × 0.1358)	230 × 155 × 3.2 (9.06 × 6.10 × 0.126)
Runout limit/diameter of the area to be measured	1.0 (0.039) /215 (8.46) dia.	1.0 (0.039) /215 (8.46) dia.	1.0 (0.039) /230 (9.06) dia.	1.0 (0.039) /240 (9.45) dia.
Maximum allowable spline backlash (at outer edge of disc)	1.2 (0.047)		1.28 (0.0504)	0.9 (0.035)
Facing wear limit (depth to the rivet head)	replace if worn to rivet head			0.3 (0.012)

### Clutch Cover

INFOID:0000000010288585

Engine type	HRA2DDT	K9K	MR20DD	R9M
Transaxle type	RS6F94R			RS6F52A (4WD)    RS6F95R (2WD)
Set-load	5,730 N (584.5 kg, 1,288.1 lb)	7,100 N (724.2 kg, 1416.2 lb)	5,700 N (581.4 kg, 1,281.4 lb)	8,800 N (897.6 kg, 1978.2 lb)
Tolerance for diaphragm spring lever unevenness	1.2 mm (0.047 in) or less		not specified	0.8 mm (0.031 in) or less
Diaphragm spring lever height (new clutch)	12.6 - 16.2 mm (0.496 - 0.64 in)	12.8 - 14.8 mm (0.504 - 0.583 in)	20.7 - 22.7 (0.815 - 0.8937)	26.6 - 29.0 mm (1.047 - 1.142 in)