CLUTCH

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Precaution

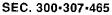
WARNING:

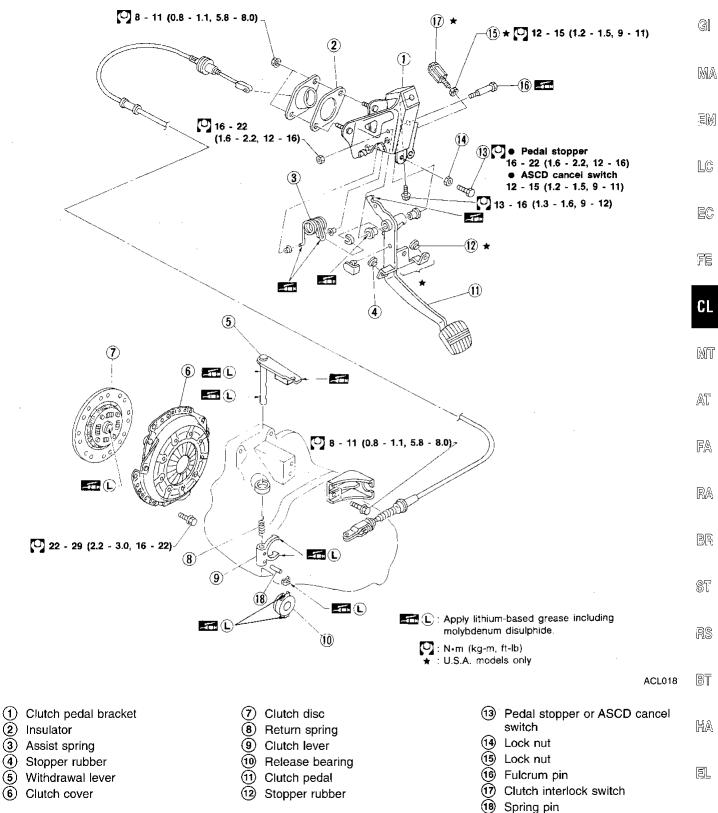
After cleaning the clutch disc, wipe it with a dust collector. Do not use compressed air.

Special Service Tools

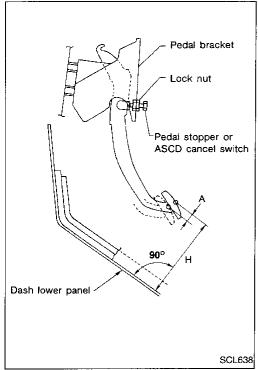
*: Special tool or commercial equivalent

Tool number (Kent-Moore No.) Tool name	Description	
KV30101000* (J33213) Clutch aligning bar	0	Installing clutch cover and clutch disc
ST20050240* (—) Diaphragm spring	NT061	Adjusting unevenness of clutch cover dia- phragm spring
adjusting wrench	NT404	a: 150 mm (5.91 in) b: 25 mm (0.98 in)





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Adjusting Clutch Pedal

1. Adjust pedal height with pedal stopper or ASCD cancel switch.

Pedal height "H":

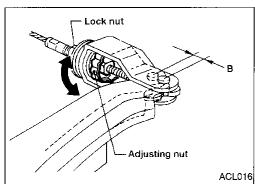
- 153 163 mm (6.02 6.42 in)
- 2. Adjust withdrawal lever play "B" according to the following procedure.
- a. Push withdrawal lever by hand until resistance is felt, and then tighten adjusting nut.
- b. Turn back adjusting nut 2.5 to 3.5 turns, and then tighten lock nut.

Withdrawal lever play "B":

2.5 - 3.5 mm (0.098 - 0.138 in) Lock nut:

- [◯]: 3 4 N·m (0.3 0.4 kg-m, 2.2 2.9 ft-lb)
- 3. As a final check, measure pedal free play at center of pedal pad.
 - Pedal free travel "A":

10.8 - 15.1 mm (0.425 - 0.594 in)



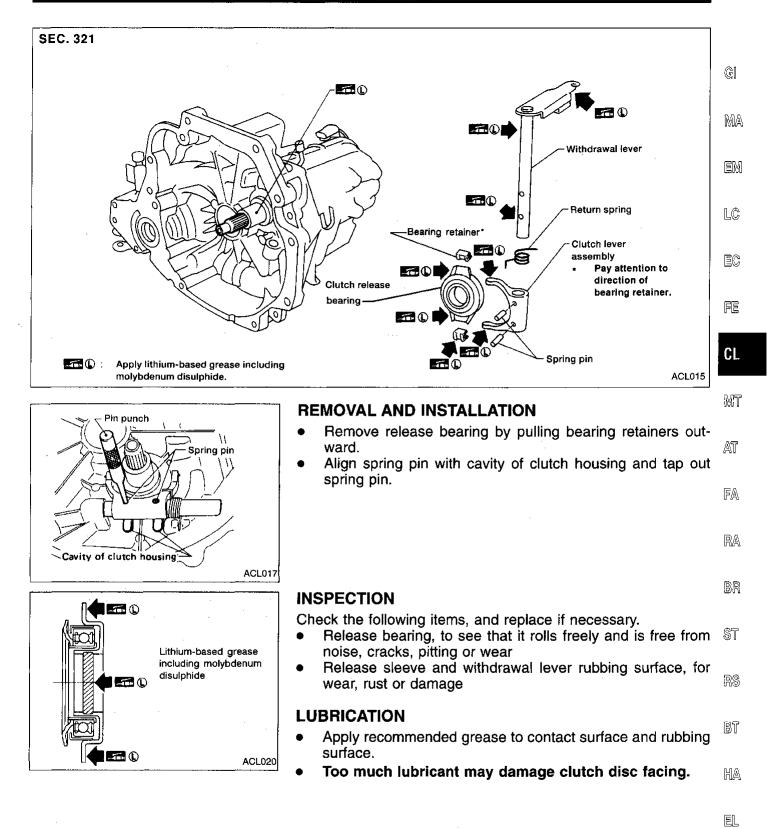
Fully depressed Clutch interlock switch Clutck nut Stopper rubber

-FOR USA MODELS-

4. Adjust clearance "C" shown in the figure while fully depressing clutch pedal. Clearance "C":

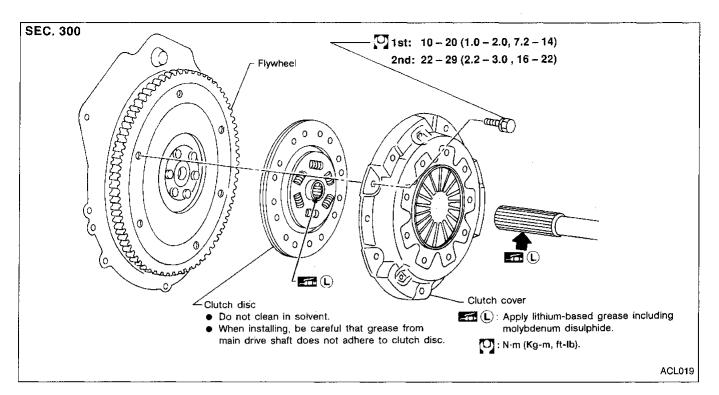
0.3 - 1.0 mm (0.012 - 0.039 in)

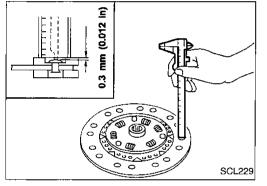
CLUTCH RELEASE MECHANISM



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CLUTCH DISC AND CLUTCH COVER



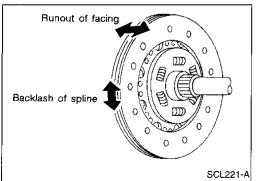


Clutch Disc

INSPECTION

Check the following items, and replace if necessary.

- Clutch disc, for burns, discoloration, oil or grease leakage
 - Clutch disc, for wear of facing
 Wear limit of facing surface to rivet head: 0.3 mm (0.012 in)



 Clutch disc, for backlash of spline and runout of facing Maximum backlash of spline (at outer edge of disc): MODEL 190 0.8 mm (0.031 in) MODEL 215 0.9 mm (0.035 in)

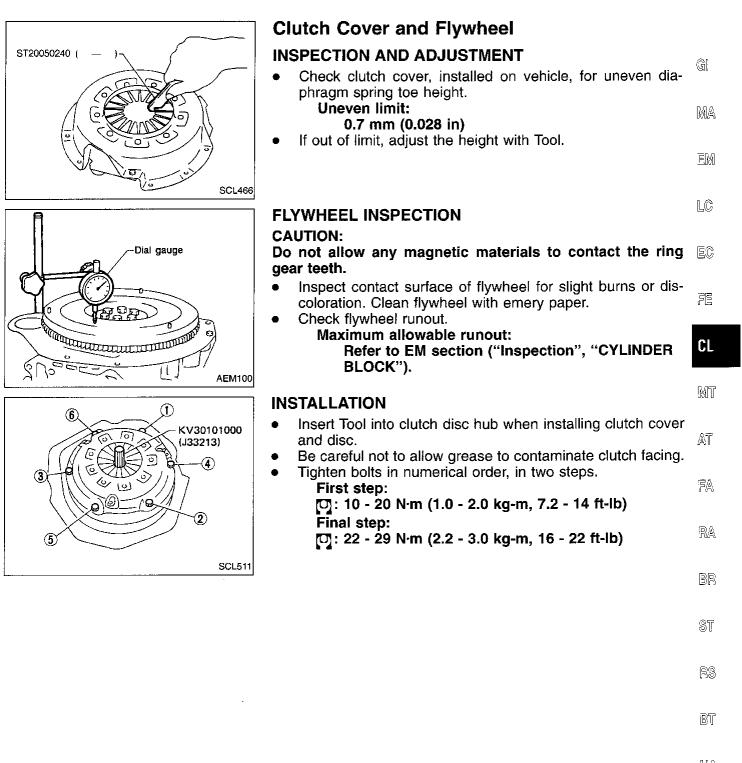
Runout limit: 1.0 mm (0.039 in) Distance of runout check point (from hub center):

MODEL 190 90 mm (3.54 in)

MODEL 215 102.5 mm (4.04 in)

INSTALLATION

- Apply recommended grease to contact surface of splines.
- Too much lubricant may damage clutch disc facing.



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CLUTCH CONTROL SYSTEM

General Specifications CLUTCH COVER

Type of clutch control

Mechanical type

CLUTCH DISC

CLUTCH PEDAL

		Unit: mm (in)
Engine	GA16DE	SR20DE
Model	190	215
Facing size (Outer dia. x inner dia. x thickness)	190 x 132 x 3.5 (7.48 x 5.20 x 0.138)	215 x 140 x 3.5 (8.46 x 5.51 x 0.138)
Thickness of disc assembly with load	7.6 - 8.0 (0.315 - 0.331) with 3,825 N (390 kg, 860 lb)	7.6 - 8.0 (0.299 - 0.315) with 3,923 N (400 kg, 882 ib)

Engine		GA16DE	SR20DE
Model		190	215
Full-load	N (kg, lb)	3,825 (390, 860)	4,413 (450, 992)

Inspection and Adjustment CLUTCH COVER

	Unit: mm (in)
Pedal height "H" ^{*1}	153 - 163 (6.02 - 6.42)
Pedal free travel "A" (at pedal pad)	10.8 - 15.1 (0.425 - 0.594)
Withdrawai lever play "B"	2.5 - 3.5 (0.098 - 0.138)
Clearance "C" (between pedal stopper rubber and clutch inter- lock switch) ^{*2}	0.3 - 1.0 (0.012 - 0.039)

1: Measured from surface of dash lower panel to surface of pedal pad. ^{*2}: Clutch pedal fully depressed.

CLUTCH DISC

		Unit: mm (in)
Model	190	215
Wear limit of facing surface to rivet head	0.3 (0.012)	
Runout limit of facing	1.0 (0.039)	
Distance of runout check point (from hub center)	90 (3.54)	102.5 (4.04)
Maximum backlash of spline (at outer edge of disc)	0.8 (0.031)	0.9 (0.035)

		Unit: mm (in)
Model	190	215
Diaphragm spring height	29 - 31 (1.14 - 1.22)	30.5 - 32.5 (1.201 - 1.280)
Uneven limit of diaphragm spring toe height	0.7 (0.028)	