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CONTENTS

PRECAUTIONS	2
Precautions for Battery Service	
Caution	
PREPARATION	3
Special Service Tools	3
Commercial Service Tools	
NOISE, VIBRATION AND HARSHNESS (NVH)	
TROUBLESHOOTING	4
NVH Troubleshooting Chart	4
CLUTCH PEDAL	
On-Vehicle Inspection and Adjustment	5
Removal and Installation	6
REMOVAL	
INSPECTION AFTER REMOVAL	6
INSTALLATION	6
CLUTCH FLUID	
Bleeding	7
CLUTCH MASTER CYLINDER	8
Removal and Installation	8
REMOVAL	8
INSTALLATION	9
Disassembly and Assembly	9
DISASSEMBLY	9
INSPECTION AFTER DISASSEMBLY	10
ASSEMBLY	10
OPERATING CYLINDER	11
Removal and Installation	11
REMOVAL	11

INSTALLATION	11
Disassembly and Assembly	11
DISASSEMBLY	11
INSPECTION AFTER DISASSEMBLY	11
ASSEMBLY	11
CLUTCH PIPING	
Removal and Installation	12
CLUTCH RELEASE MECHANISM	
Removal and Installation	
REMOVAL	
INSPECTION AFTER REMOVAL	13
INSTALLATION	
CLUTCH DISC, CLUTCH COVER	15
Removal and Installation (M/T Model Code Num-	
ber: CD008)	15
REMOVAL	
INSPECTION AND ADJUSTMENT AFTER	
REMOVAL	15
INSTALLATION	
Removal and Installation (M/T Model Code Num-	
ber: CD009)	17
REMOVAL	17
INSPECTION AND ADJUSTMENT AFTER	
REMOVAL	
INSTALLATION	18
SERVICE DATA AND SPECIFICATIONS (SDS)	19
Clutch Control System	
Clutch Master Cylinder	19
Clutch Operating Cylinder	19
Clutch Disc	
Clutch Cover	19
Clutch Pedal	19

PRECAUTIONS

PRECAUTIONS PFP:00001

Precautions for Battery Service

ACS006FW

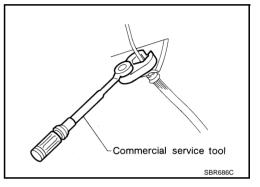
Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

Caution

- Recommended fluid is brake fluid "DOT 3". Refer to MA-12, "RECOMMENDED FLUIDS AND LUBRICANTS".
- Never reuse drained brake fluid.
- Be careful not to splash brake fluid on painted areas.
- When removing and installing clutch piping, use Tool.
- Use new brake fluid to clean or wash all parts of master cylinder and operating cylinder.
- Never use mineral oils such as gasoline or kerosene. It will ruin the rubber parts of the hydraulic system.

WARNING:

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



PREPARATION

REPARATION		PFP:00002
ecial Service Tools		ACS004MW
	differ from those of special service tools	s illustrated here.
ool number Kent-Moore No.) ool name		Description
V30101400 —)		Installing release bearing
: 51 mm (2.01 in) dia. : 44 mm (1.73 in) dia.	ab	
T20050240 —)	ZZA0838D	Adjusting unevenness of diaphragm spring of clutch cover
iaphragm adjusting wrench		
	ZZA0508D	
T20670000 —) Flutch aligning bar : 15 mm (0.59 in) dia. : 23 mm (0.91 in) dia.	J.b	Installing clutch disc
mmercial Service Tools	ZZA1178D	ACS004M)
pol name		Description
in punch p diameter: 4.5 mm (0.177 in) dia.		Removing and installing master cylinder spring pin
Flare nut crowfoot	ZZA0515D	Removing and installing clutch piping
Torque wrench 10 mm (0.39 in)		
ower tool	S-NT360	Loosening bolts and nuts
		255551111g 5516 dita Huto

NOISE, VIBRATION AND HARSHNESS (NVH) TROUBLESHOOTING

NOISE, VIBRATION AND HARSHNESS (NVH) TROUBLESHOOTING NVH Troubleshooting Chart

PFP:00003

ACS004MY

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

Reference	M/T model code number: CD008	<u>CL-5</u>	CL-7	<u>CL-9</u>	CL-11	EM-132	CL-13	<u>CL-15</u>									EM-167		
page	M/T model code number: CD009	리	리	리	리	EM	리						CL-17						EM
SUSPECTED	PARTS (Possible cause)	CLUTCH PEDAL (Free play out of adjustment)	CLUTCH LINE (Air in line)	MASTER CYLINDER PISTON CUP (Damaged)	OPERATING CYLINDER PISTON CUP (Damaged)	ENGINE MOUNTING (Loose)	RELEASE BEARING (Worn, dirty or damaged)	CLUTCH DISC (Out of true)	CLUTCH DISC (Runout is excessive)	CLUTCH DISC (Lining broken)	CLUTCH DISC (Dirty or burned)	CLUTCH DISC (Oily)	CLUTCH DISC (Worn out)	CLUTCH DISC (Hardened)	CLUTCH DISC (Lack of spline grease)	DIAPHRAGM SPRING (Damaged)	DIAPHRAGM SPRING (Out of tip alignment)	PRESSURE PLATE (Distortion)	FLYWHEEL (Distortion)
	Clutch grabs/chatters					1			2			2	2	2			2		
	Clutch pedal spongy		1	2	2														
Symptom	Clutch noisy						1												
	Clutch slips	1										2	2			3		4	5
	Clutch does not disengage	1	2	3	4			5	5	5	5	5			5	6	6	7	

CLUTCH PEDAL

CLUTCH PEDAL PFP:46540

On-Vehicle Inspection and Adjustment

1. Check to see if the clevis pin floats freely in the bore of the clutch pedal. It should not be bound by the clevis or clutch pedal.

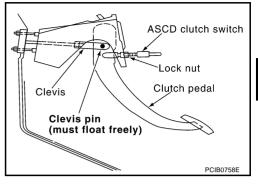
- a. If the clevis pin is not free, check that the ASCD clutch switch is not applying pressure to the clutch pedal causing the clevis pin to bind. To adjust, loosen lock nut and turn ASCD clutch switch.
- b. Tighten the lock nut.
- c. Verify that the clevis pin floats in the bore of the clutch pedal. It should not be bound by the clutch pedal.
- d. If the clevis pin is still not free, remove the clevis pin and check for deformation or damage. Replace clevis pin if necessary. Leave pin removed for step 2.
- 2. Check clutch pedal stroke for free range of movement.
- a. With the clevis pin removed, manually move the clutch pedal up and down to determine if it moves freely.
- b. If any sticking is noted, replace the related parts (clutch pedal bracket, assist spring, bushing etc.). Reassemble the clutch pedal and re-verify that the clevis pin floats freely in the bore of the clutch pedal.
- 3. Adjust clearance "C" while depressing clutch pedal fully. (With clutch interlock switch)

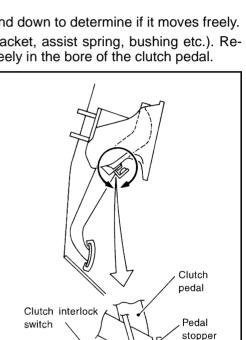
Clearance C : 0.1 - 1.0mm (0.004 - 0.039 in)

- 4. Check clutch hydraulic and system components (clutch master cylinder, clutch operating cylinder, clutch withdrawal lever, clutch release bearing, etc.) for sticking or binding.
- a. If any sticking or binding noted, repair or replace related parts as necessary.
- b. If hydraulic system repair was necessary, bleed the clutch hydraulic system. Refer to <u>CL-7</u>, "<u>Bleeding</u>".

NOTE:

Do not use a vacuum assist or any other type of power bleeder on this system. Use of a vacuum assist or power bleeder will not purge all the air from the system.





Lock nut /
Thread of clutch interlock switch

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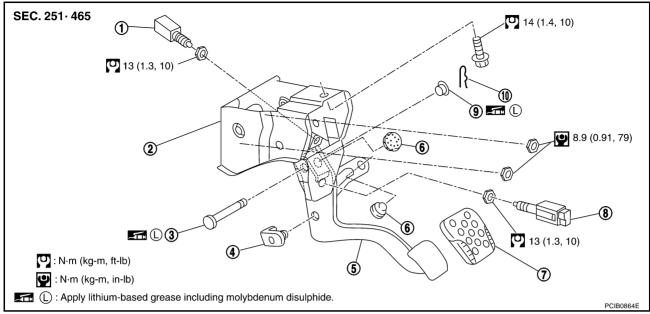
rubber

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CLUTCH PEDAL

Removal and Installation

ACS004N0



- 1. Clutch interlock switch
- 4. Pedal stopper rubber
- 7. Pedal pad
- 10. Snap pin

- 2. Bracket
- 5. Clutch pedal
- 8. ASCD clutch switch
- Clevis pin
- 6. Stopper rubber
- 9. Bushing

REMOVAL

- 1. Remove kicking plate. Refer to El-35, "Removal and Installation (for Coupe Models)" or El-37, "Removal and Installation (for Roadster Models)".
- 2. Remove footrest. Refer to EI-43, "Removal and Installation".
- Remove dash side finisher (LH). Refer to IP-11, "Removal and Installation".
- 4. Remove instrument driver panel lower. Refer to IP-11, "Removal and Installation".
- 5. Remove VDC/TCS/ABS control unit. (VDC/TCS/ABS models) Refer to <u>BRC-147</u>, "Removal and Installation".
- 6. Remove the clutch interlock switch and ASCD clutch switch connectors and harness.
- 7. Remove the snap pin and clevis pin.
- 8. Remove the pedal bracket mounting bolt and nuts and then remove the clutch pedal assembly.

INSPECTION AFTER REMOVAL

 Check clutch pedal for bend, damage, or a cracked weld. If bend, damage, or a cracked weld is found, replace the clutch pedal assembly.

INSTALLATION

To install, reverse the removal procedure, following the cautions below:

- Install clutch pedal assembly and adjust the pedal height. Tighten ASCD clutch switch lock nut to the specified torque.
- After installing the clutch interlock switch, adjust the switch position.

NOTE:

Tighten the ASCD clutch switch lock nut to the specified torque after installing the clutch pedal assembly in the vehicle and adjusting the pedal free play.

CLUTCH FLUID

CLUTCH FLUID PFP:00017

Bleeding

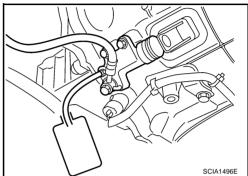
CAUTION:

- Monitor fluid level in the reservoir tank to make sure it does not empty.
- Do not spill clutch fluid onto painted surfaces. If it spills, wipe up immediately and wash the affected area with water.

NOTE:

Do not use a vacuum assist or any other type of power bleeder on this system. Use of a vacuum assist or power bleeder will not purge all the air from the system.

- 1. Fill the master cylinder reservoir tank with new clutch fluid.
- 2. Connect a transparent vinyl hose to the air bleeder.
- 3. Depress the clutch pedal quickly and fully a few times and hold it.
- 4. With clutch pedal depressed, open air bleeder to release air.
- 5. Close air bleeder.
- Release clutch pedal and wait for 5 seconds.
- 7. Repeat steps 3 to 6 until no bubbles can be observed in the brake fluid.
- 8. Tighten air bleeder to the specified torque. Refer to <u>CL-11</u>, <u>"Removal and Installation"</u>.



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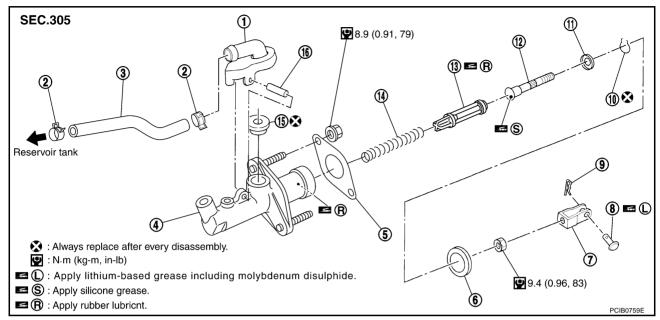
CLUTCH MASTER CYLINDER

CLUTCH MASTER CYLINDER

PFP:30610

Removal and Installation

ACS004N2



- 1. Nipple
- 4. Cylinder body
- 7. Clevis
- 10. Stopper ring
- 13. Piston assembly
- 16. Spring pin

- 2. Clamp
- Packing
- 8. Clevis pin
- 11. Stopper
- 14. Return spring

- 3. Reservoir hose
- 6. Seat
- 9. Snap pin
- 12. Push rod
- 15. Reservoir seal

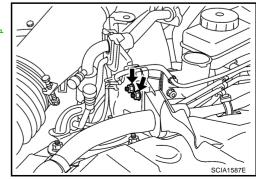
REMOVAL

- 1. Remove kicking plate. Refer to EI-35, "Removal and Installation (for Coupe Models)" or EI-37, "Removal and Installation (for Roadster Models)".
- 2. Remove footrest. Refer to EI-43, "Removal and Installation".
- 3. Remove dash side finisher. Refer to IP-11, "Removal and Installation".
- 4. Remove instrument driver panel lower. Refer to IP-11, "Removal and Installation".
- 5. Remove VDC/TCS/ABS control unit. (VDC/TCS/ABS models) Refer to <u>BRC-147</u>, "Removal and Installation".
- 6. Remove snap pin and clevis pin from the clevis, and separate it from clutch pedal.
- 7. Remove hoodledge cover.
- 8. Drain clutch fluid in reservoir tank and remove reservoir hose.

CAUTION:

Do not spill clutch fluid onto painted surfaces. If it spills, wipe up immediately and wash the affected area with water.

- Remove reservoir tank.
- 10. Remove clutch tube using a flare nut wrench. Refer to <u>CL-12</u>, <u>"Removal and Installation"</u>.
- 11. Remove master cylinder assembly.



CLUTCH MASTER CYLINDER

INSTALLATION

- Connect clutch tube to master cylinder assembly and temporarily tighten flare nut.
- 2. Install master cylinder assembly and tighten mounting nuts to the specified torque.
- 3. Tighten clutch tube flare nut to the specified torque using a flare nut torque wrench. Refer to <u>CL-12</u>, <u>"Removal and Installation"</u>.
- 4. Install clevis to the clutch pedal, and fix clevis with clevis pin.
- 5. Install snap pin to the clevis pin.
- Install reservoir hose to the nipple. Install the reservoir tank to the vehicle, and then tighten mounting nuts to the specified torque.

9: 5.8 N·m (0.59 Kg-m, 51 in-lb)

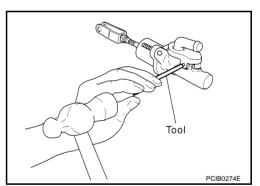
- 7. After completing this procedure, inspect and adjust for clutch pedal and then bleed the clutch hydraulic system. Refer to <u>CL-5</u>, <u>"On-Vehicle Inspection and Adjustment"</u> and <u>CL-7</u>, <u>"Bleeding"</u>.
- 8. Install hoodledge cover.
- 9. Install VDC/TCS/ABS control unit. (VDC/TCS/ABS models) Refer to BRC-147, "Removal and Installation".
- 10. Install instrument driver panel lower. Refer to IP-11, "Removal and Installation".
- 11. Install dash side finisher. Refer to IP-11, "Removal and Installation".
- 12. Install footrest.Refer to EI-43, "FLOOR TRIM".
- 13. Install kicking plate. Refer to EI-35, "Removal and Installation (for Coupe Models)" or EI-37, "Removal and Installation (for Roadster Models)".

Disassembly and Assembly DISASSEMBLY

- Remove spring pin, nipple and reservoir seal from cylinder body using a pin punch.
- 2. Loosen push rod lock nut. Remove clevis and lock nut.
- 3. Remove the seat from the cylinder body.
- Remove the stopper ring and stopper, and then remove the push rod, piston assembly and return spring from the cylinder body.

CAUTION:

Restrain the push rod while doing this because there is a danger the piston assembly will fly out of the cylinder body.



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CLUTCH MASTER CYLINDER

INSPECTION AFTER DISASSEMBLY

Check for any of the conditions shown below. If any malfunction is found, replace the part concerned.

- Damaged cylinder internal wall, foreign matter, wear, corrosion, or pin hole
- Damaged or deformed nipple or reservoir tank
- Settling of the spring
- Cracked and deformed seat

ASSEMBLY

- 1. Apply rubber lubricant to internal surface of the cylinder body, sliding surface of piston assembly, and the piston cup. Insert return spring and piston assembly to the cylinder body.
- 2. Apply silicone grease to the push rod and install the stopper before installing the stopper ring.

CALITION

Restrain the push rod while doing this because there is a danger the piston assembly will fly out of the master cylinder.

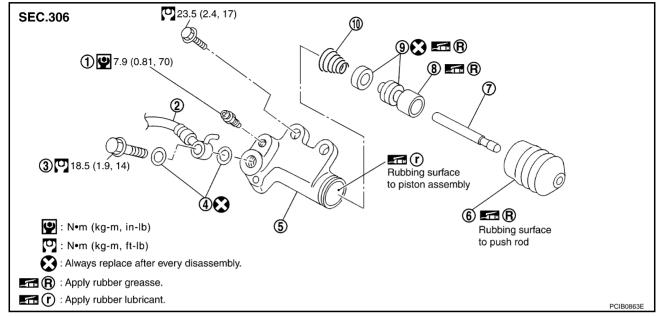
- 3. Install seat to the cylinder body.
- 4. Install clevis to the push rod and tighten lock nut to the specified torque. Refer to <u>CL-8, "Removal and Installation"</u>.
- 5. Install reservoir seal and nipple to cylinder body. Install spring pin using a pin punch.

OPERATING CYLINDER

OPERATING CYLINDER Removal and Installation

PFP:30620

ACS004N4



1. Air bleeder

4. Copper washer

7. Push rod

10. Piston spring

2. Clutch hose

5. Cylinder body

3. Piston

3. Union bolt

6. Dust cover

9. Piston cup

REMOVAL

1. Drain clutch fluid.

CAUTION:

Do not spill clutch fluid onto painted surfaces. If it spills, wipe up immediately and wash the affected area with water.

- 2. Remove clutch hose from the operating cylinder.
- 3. Remove operating cylinder mounting bolts and then remove operating cylinder from the vehicle.

INSTALLATION

To install, reverse the removal procedure, following the cautions below:

- Install hose with care so that it will not be bent or twisted. Refer to CL-12, "Removal and Installation".
- After completing the procedure, bleed the clutch hydraulic system. Refer to <u>CL-7</u>, "<u>Bleeding</u>".

Disassembly and Assembly DISASSEMBLY

ACS004N5

 Remove dust cover and push rod. Remove piston, piston cup, and piston spring from inside the cylinder body.

INSPECTION AFTER DISASSEMBLY

Check for any of the conditions shown below. If any malfunction is found, replace the part concerned.

- Damage to cylinder inner surface or piston sliding surface. Foreign matter, wear, corrosion, or pin hole
- Settling of the spring
- Cracked or deformed dust cover

ASSEMBLY

- 1. Apply rubber lubricant to cylinder body inner surface and rubber grease to the piston cup and piston. Insert piston assembly and piston spring into the cylinder body.
- 2. Apply rubber grease to dust cover and install push rod and dust cover.

Revision: 2005 August CL-11 2005 350Z

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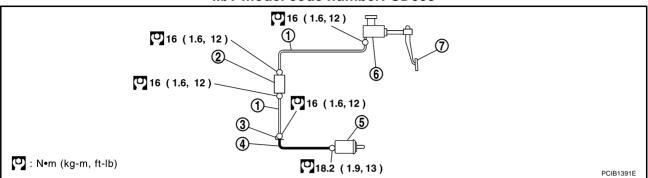
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CLUTCH PIPING PFP:30650

Removal and Installation

ACS004N6

M/T model code number: CD008



1. Clutch tube

2. Clutch orifice

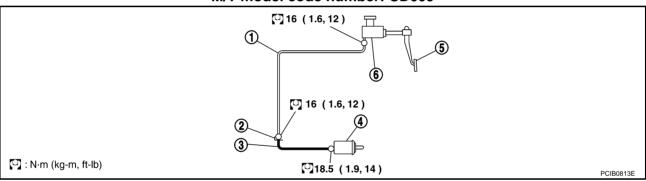
3. Lock plate

4. Clutch hose

- 5. Operating cylinder
- 6. Master cylinder

7. Clutch pedal

M/T model code number: CD009



Clutch tube

Operating cylinder

- 2. Lock plate
- 5. Clutch pedal

- 3. Clutch hose
- 6. Master cylinder

Carefully observe the following steps during clutch tube removal and installation.

- Do not spill clutch fluid onto painted surfaces. If it spills, wipe up immediately and wash the affected area with water.
- When fixing clutch hose to bracket, align clutch hose metal fittings with bracket positioning emboss and lock plate to secure. At this time, prevent twisting or damage of clutch hose. In addition, be careful not to damage clutch hose.
- Tighten clutch tube flare nut to the specified torque.

CAUTION:

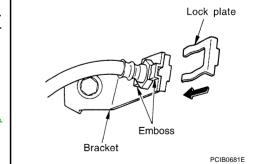
Be careful not to damage flare nut and clutch tube.

• Tighten the union bolt to the specified torque. Refer to <u>CL-11</u>, <u>"Removal and Installation"</u>.

CAUTION:

Do not reuse the copper washer.

After installation, bleed the clutch hydraulic system. Refer to <u>CL-7, "Bleeding"</u>.



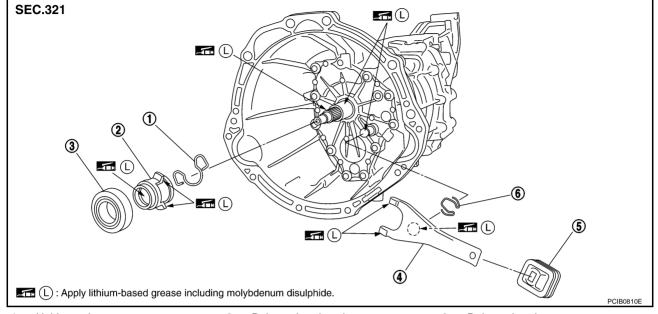
CLUTCH RELEASE MECHANISM

CLUTCH RELEASE MECHANISM

PFP:30502

Removal and Installation

ACS004N7

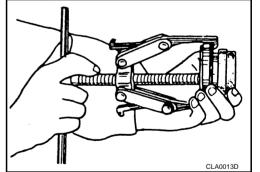


- 1. Holder spring
- 4. Withdrawal lever
- 2. Release bearing sleeve
- 5. Dust cover

- 3. Release bearing
- 6. Snap spring

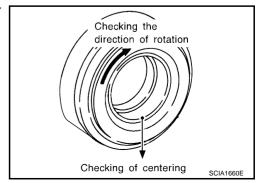
REMOVAL

- 1. Remove manual transmission from the vehicle. Refer to MT-18, "Removal and Installation from Vehicle".
- Remove release bearing sleeve assembly, holder spring and withdrawal lever from inside the clutch housing.
- 3. Remove dust cover.
- 4. Remove snap spring from withdrawal lever.
- 5. Remove release bearing from release bearing sleeve using a puller.



INSPECTION AFTER REMOVAL

- If release bearing is seized, damaged, not properly centered or does not rotate smoothly, replace it.
- If contact surface of withdrawal lever is excessively worn out, replace it.
- If dust cover is cracked or deformed, replace it.



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CLUTCH RELEASE MECHANISM

INSTALLATION

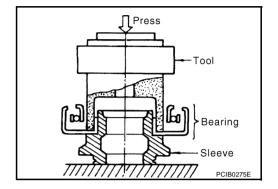
CAUTION:

- Be sure to apply grease to the points specified. Otherwise, noise, poor disengagement, or damage to the clutch may result. Excessive grease may cause slip or quiver. Wipe off any grease oozing from the parts.
- Be careful not to bring any grease into contact with the clutch disc facing, pressure plate surface and flywheel surface.
- 1. Install release bearing to release bearing sleeve using the drift.

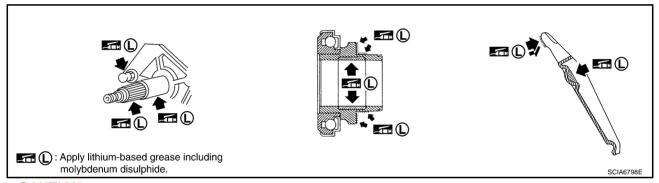
Tool number : KV30101400 (—)

CAUTION:

Press bearing inner race by pushing with the drift.



2. Following the instructions below, apply grease to the specified points.



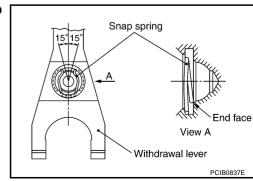
CAUTION:

Wipe off any old grease, debris, or powdery residue left on the surfaces.

- Evenly apply a 1 mm (0.04 in) thick coating of recommended grease to withdrawal lever and release bearing sleeve or holder spring sliding surface.
- Apply recommended grease to ball pin contact surface of withdrawal lever and inner slots of release bearing. The grease surface should be level with the surrounding area.
- Evenly apply a thin coat of recommended grease to release bearing sliding surface. Install release bearing. Wipe off any excess grease that oozes from the parts and then remove release bearing.
- 3. To install, reverse the removal procedure, following the cautions below.

CAUTION:

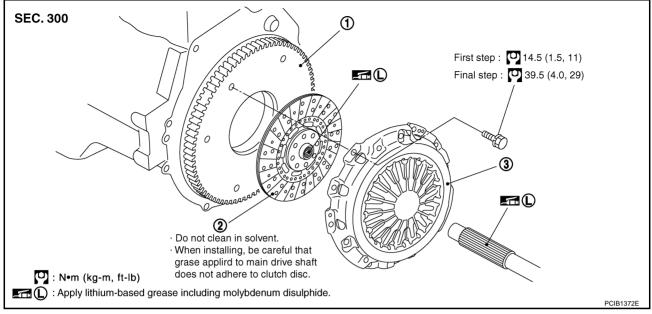
- Before installing manual transmission to the vehicle, check that each sliding surface slides smoothly by operating withdrawal lever.
- When assembling, make sure that both ends of snap spring touch the end face of withdrawal lever.
- Be careful with the orientation of installation.



PFP:30100

Removal and Installation (M/T Model Code Number: CD008)

ACS004N8



1. Flywheel

Clutch disc

Clutch cover

CAUTION:

- Be careful not to bring any grease into contact with the clutch disc facing, pressure plate surface and flywheel surface.
- If flywheel is removed, align dowel pin with the smallest hole of flywheel. Refer to EM-145, "ASSEMBLY".

REMOVAL

- Remove manual transmission from the vehicle. Refer to MT-18, "Removal and Installation from Vehicle".
- Loosen clutch cover mounting bolts with power tool. Remove clutch cover and clutch disc.

INSPECTION AND ADJUSTMENT AFTER REMOVAL **Clutch Disc**

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

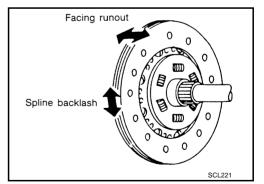
> Runout limit/diameter of the area to be measured :0.7 mm (0.028 in) or less/240 mm (9.45 in) dia.

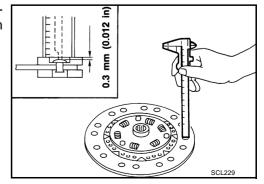
Measure backlash for clutch disc spline and main drive shaft spline at the circumference of the disc. If it is outside the specified range, replace the clutch disc.

> Maximum backlash of spline :1.0 mm (0.039 in)

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

> Facing wear limit (depth to the rivet head) :0.3 mm (0.012 in)





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CL-15 Revision: 2005 August

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.

Tolerance for diaphragm spring lever unevenness :0.5mm (0.020 in)

Tool number : ST20050240 (—)

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

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 the assembly.

INSTALLATION

1. Apply recommended grease to clutch disc and main drive shaft spline.

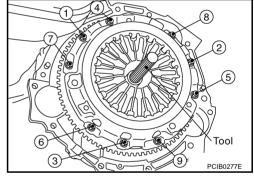
CAUTION:

Be sure to apply grease to the points specified. Otherwise, noise, poor disengagement, or damage to the clutch may result. Excessive grease may cause slip or quiver. Wipe off any grease oozing from the parts.

2. Install clutch disc and clutch cover. Pre-tighten mounting bolts and install clutch aligning bar.

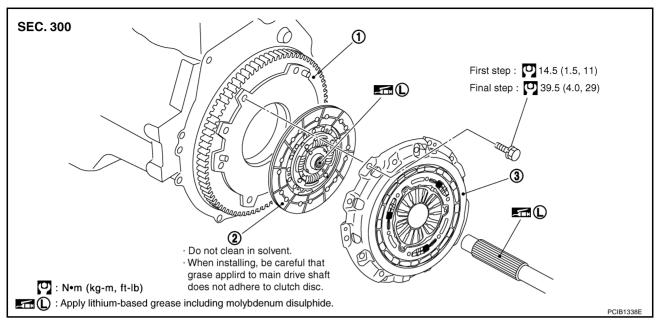
Tool number :ST20670000 (—)

- 3. Tighten clutch cover mounting bolts evenly in two steps in the order shown in the figure. Refer to <u>CL-15</u>, "Removal and Installation (M/T Model Code Number: CD008)".
- 4. Install manual transmission. Refer to MT-18, "Removal and Installation from Vehicle".



Removal and Installation (M/T Model Code Number: CD009)

ACS00A28



1. Flywheel

2. Clutch disc

Clutch cover

CAUTION:

- Be careful not to bring any grease into contact with the clutch disc facing, pressure plate surface and flywheel surface.
- If flywheel is removed, align dowel pin with the smallest hole of flywheel. Refer to <u>EM-145</u>.
 "ASSEMBLY".
- Replace clutch disc and clutch cover as a set.

REMOVAL

- 1. Remove manual transmission from the vehicle. Refer to MT-18, "Removal and Installation from Vehicle".
- 2. Loosen clutch cover mounting bolts with power tool. Remove clutch cover and clutch disc.

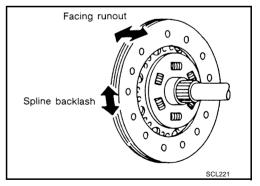
INSPECTION AND ADJUSTMENT AFTER REMOVAL Clutch Disc

 Measure circumference runout relative to the clutch disc center spline. If it is outside the specification, replace clutch disc and clutch cover as a set.

Runout limit/diameter of the area to be measured :1.0 mm (0.039 in) or less/230 mm (9.06 in) dia.

 Measure backlash for clutch disc spline and main drive shaft spline at the circumference of the clutch disc. If it is outside the specified range, replace clutch disc and clutch cover as a set.

Maximum backlash of spline :1.0 mm (0.039 in)



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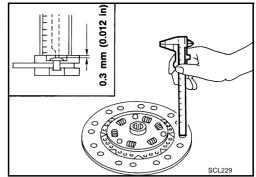
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 Using calipers, measure the depth to the clutch disc facing rivet heads. If it exceeds the allowable wear limit, replace clutch disc and clutch cover as a set.

Facing wear limit (depth to the rivet head) :0.3 mm (0.012 in)



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.

Tolerance for diaphragm spring lever unevenness :0.8 mm (0.031 in)

Tool number : ST20050240 (—)

- Check clutch cover thrust ring for wear or breakage. If wear or breakage is found, replace clutch disc and clutch cover as a set.
 - 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 disc and clutch cover as a set.

INSTALLATION

1. Apply recommended grease to clutch disc and main drive shaft spline.

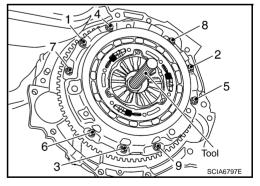
CAUTION:

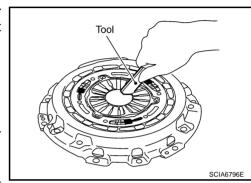
Be sure to apply grease to the points specified. Otherwise, noise, poor disengagement, or damage to the clutch may result. Excessive grease may cause slip or quiver. Wipe off any grease oozing from the parts.

2. Install clutch disc and clutch cover. Pre-tighten mounting bolts and install clutch aligning bar.

Tool number :ST20670000 (—)

- 3. Tighten clutch cover mounting bolts evenly in two steps in the order shown in the figure. Refer to <u>CL-17</u>, "Removal and Installation (M/T Model Code Number: CD009)".
- 4. Install manual transmission. Refer to MT-18, "Removal and Installation from Vehicle".





SERVICE DATA AND SPECIFICATIONS (SDS)

utch Control System		ACS004N							
pe of clutch control		Hydraulic							
utch Master Cylinder		ACS004N							
		Unit: mm (in							
ner diameter		15.87 (5/8)							
utch Operating Cylinder		ACS004N							
		Unit: mm (in							
ner diameter		19.05 (3/4)							
utch Disc		ACS004N							
		Unit: mm (in							
ngine model	VQ35DE								
/T model code number	CD008	CD009							
odel	250	240							
acing size (Outer dia. \times inner dia. \times thickness)	$250 \times 170 \times 3.2 \ (9.84 \times 6.69 \times 0.126)$	$240 \times 160 \times 3.8 \ (9.45 \times 6.30 \times 0.150)$							
ear limit (depth to the rivet head)	0.3 (0.012)								
unout limit/diameter of the area to be measured	0.7 (0.028) or less/240 (9.45) dia.	1.0 (0.039) or less/230 (9.06) dia.							
aximum backlash of spline (at outer edge disc)	1.0 (0.039)								
utch Cover		ACS004N							
		Unit: mm (in							
ngine model	VQ35DE								
/T model code number	CD008	CD009							
odel	250	240							
et-load	8,630 N (880 kg)	9,900 N (1,009 kg)							
iaphragm spring lever height	39.5 - 41.5 (1.555 - 1.634)	41.9 - 44.1 (1.650 - 1.736)							
neven limit of diaphragm spring toe height	0.5 (0.020) 0.8 (0.031)								

Revision: 2005 August **CL-19** 2005 350Z

SERVICE DATA AND SPECIFICATIONS (SDS)