

GENESIS COUPE(BK) >2010 > G 2.0 DOHC > Clutch System > General Information > Specifications

Specifications

Items		Specification	
Engine type		Gasoline 2.0 TCI	Gasoline 3.8
Transmission type		M6VR1	M6VR2
Clutch operation method		Hydraulic type	
Clutch disc	Type	Single dry with diaphragm	
	Facing diameter (outside x inside)mm (in)	Ø240 × 155 (Ø9.44 × 6.10)	Ø260 × 170 (Ø10.24 × 6.69)
Clutch cover assembly		Diaphragm spring strap	
Clutch master cylinder * I.D. mm (in)		15.87 (0.6248)	

* I.D: Inside diameter

Service Standard

Items	Standard value
Clutch pedal height [Without carpet]	196.7mm (7.75in)
Clutch pedal free play	6~13mm (0.24~0.51in)
Clutch disc thickness [When free]	8.4 ± 0.3mm (0.33±0.012in)
Clutch pedal stroke	130.7mm (5.14in)
Clutch disc rivet sink	0.3mm (0.012in)
Diaphragm spring end height difference	0.5mm (0.019in)
Clutch master cylinder clearance to piston	0.15mm (0.006in)

Tightening Torques

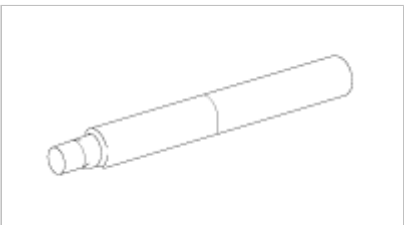
Items	Nm	kgf.m	lb-ft
Clutch pedal assembly	13~16	1.3 ~ 1.6	9.4~11.6
Clutch pedal Ignition lock switch nut	8~10	0.8 ~ 1.0	5.8~7.2
Clutch disc cover assembly	25~36	2.5 ~ 3.6	18.1~26.0

Lubricants

Items	Specified lubricants	Quantity
Inner surface of clutch disc spline	CASMOLY L9508	As required
Inner surface of clutch master cylinder and outer circumference of piston assembly	Brake fluid DOT 3 or DOT 4	As required
Clutch master cylinder push rod, clevis pin and washer	Wheel bearing grease SAE J310, NLGI No.2V	As required
Clutch pedal shaft and bushings	Chassis grease SAE J310a, NLGI No.1	As required

GENESIS COUPE(BK) >2010 > G 2.0 DOHC > Clutch System > General Information > Special Service Tools

Special Service Tools

Tool (Number and name)	Illustration	Use
09411-43000 Clutch disc guide		Installation of the clutch disc.

GENESIS COUPE(BK) >2010 > G 2.0 DOHC > Clutch System > General Information > Troubleshooting

Troubleshooting

Trouble symptom		Suspect area	Remedy
Clutch slipping • Car will not respond to engine speed during acceleration • Insufficient vehicle speed • Lack of power during uphill driving		Insufficient pedal free play	Adjust
		Clogged hydraulic system	Correct or replace parts
		Excessive wear of clutch disc facing	Replace
		Hardened clutch disc facing, or oil on surface	Replace
		Damaged pressure plate or flywheel	Replace
		Weak or broken pressure spring	Replace
Difficult gear shifting (gear noise during shifting)		Excessive pedal free play	Adjust
		Hydraulic system fluid leaks, air trapping or clogging	Repair or replace parts
		Unusual wear or corrosion of the clutch disc spline	Replace
		Excessive vibration (distortion) of the clutch disc	Replace
Clutch noisy	When the clutch is not used	Insufficient play of the clutch pedal	Adjust
		Excessive wear of the clutch disc facing	Replace
	A noise is heard when the clutch is disengaged	Insufficient grease on the sliding surface of the bearing sleeve	Repair
		Improperly installed clutch assembly	Repair
	A noise is heard when the car suddenly rolled up with the clutch partially engaged	Damaged pilot bushing	Replace
Hard pedal effort		Insufficient lubrication of the clutch pedal	Repair
		Insufficient lubrication of the spline part of clutch disc	Repair
Hard to shift or will not shift		Excessive clutch pedal free play	Adjust the pedal free play
		Clutch disc out of place, runout is excessive or lining broken	Inspect the clutch disc
		Spline on the input shaft or clutch disc dirty or burned	Repair as necessary
		Faulty of the clutch pressure plate	Replace the clutch cover
Clutch slips		Insufficient clutch pedal free play	Adjust the pedal free play
		Clogged of the hydraulic system	Repair or replace parts
		Clutch disc lining oily or worn out	Inspect the clutch disc
		Faulty pressure plate	Replace the clutch cover
Clutch grabs/chatters		Clutch disc lining oily or worn out	Inspect the clutch disc
		Faulty the pressure plate	Replace the clutch cover
		Bent clutch diaphragm spring	Replace the clutch cover

Clutch noisy	Worn or broken torsion spring	Replace the clutch disc
	Engine mounts loose	Repair as necessary
	Damaged the clutch pedal bushing	Replace the clutch pedal bushing
	Loose part inside housing	Repair as necessary