

Technical Bulletin

Model
911 C2/C4

Group
3

Subject: Determining Clutch and Double-Mass Flywheel Damage

Part Identifier
3056/1360

Number
9103

Complaint	Defect	Possible Cause/ Repair Hints	*Components Affected			
			PP	D	SF	DMF
Clutch binding	Discoloration (yellow-blue /blue-violet) of contact surface and clutch parts. Contact surface of pressure plate and secondary flywheel conical deformed. Lining torn away (pressure plate side or both sides).	Pressure plate travel obstructed from lining particles. Excessive heat from abusive treatment.	X	X	X	—
	Lining cracked and torn.	Over rev on downshift (possible engine damage). No indication of overheating. Abuse.	X	X	—	X
	Lining cracked and torn, starting from rivet area.	Lining damaged during assembly. Pressure plate could be obstructed from lining particles. No indication of overheating.	(X)	X	—	—
	Clutch pedal returns slowly to stop position.	Pedal spring incorrectly adjusted. Hydraulic line kinked or pinched.	—	—	—	—
Clutch does not fully disengage or disengages slowly.	Clutch pedal does not return to stop position. No disengagement at high temperatures.	Air in clutch hydraulic system. Clutch controls out of adjustment. Pedal servo-spring out of adjustment.	—	—	—	—
Noises, jerking	Rattle at idle and jerking at part load. Rattle on acceleration or deceleration and jerking at full load.	Rubber damper broken.	—	—	—	X
	Mechanical noises.	Starter gear or secondary flywheel mounting bolts loose.	—	—	—	X
		Cover plate (heatshield) on secondary flywheel loose or broken.	—	—	X	—

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			PP	D	SF	DMF
Imbalance	Imbalance for a short time after starting engine.	Silicone grease settles on low point of damping chamber. Possible after long parking time.	—	—	—	—
	Imbalance throughout whole engine RPM range.	Rubber damper broken. Mounting bolts loose.	—	—	—	X
No torque transfer	Torsion stops broken (clutch slipping).	Subsequent damage from broken rubber damper. Clutch parts not damaged.	—	—	—	X

***Component Affected:**

- PP - Pressure plate
- D - Clutch disc
- SF - Secondary flywheel
- DMF - Double-mass flywheel

- X - Parts to be checked or replaced
- (X) - Parts could be affected

Literature:

- Workshop Manual 911 Carrera, Volume II, Group 30 - Adjusting servo spring.
- Workshop Manual 911 Carrera 2/4, Volume II, Group 30 - Disassembling /checking clutch and disc.
- Workshop Manual 911 Carrera 2/4, Volume I, Group 13 - Disassembling double-mass flywheel.
- Service Information Technik 911 Carrera 2/4, Model Year '90.
- Technical Bulletin Group 3, Number 9003, "Clutch Does Not Disengage Fully".