Hyundai Kona: DCT (Dual Clutch Transmission) System / Troubleshooting

Troubleshooting

Trouble symptom	Probable cause	Remedy
Displayed the warning lamp "E" (Driving is only possible with 1 / R gear)	Not performed DCT learning	Perform the DCT manual learning procedure
Impossible to driving with odd gear	Clutch actuator (Clutch motor 1 or position sensor 1 failure)	Replace the clutch actuator assembly
	Gear actuator (shift motor 1 or position sensor 1 failure)	Replace the gear actuator assembly
	Input speed sensor 1 failure	Replace the input speed sensor
	Faulty gear (1, 3, 5, 7)	Replace the gear
	Faulty clutch 1	Replace the dual clutch assembly
	Faulty clutch engagement bearing 1	Replace the clutch engagement bearing assembly
Impossible to driving with even gear	Clutch actuator (clutch motor 2 or position sensor 2 failure)	Replace the clutch actuator assembly
	Gear actuator (shift motor 2 or position sensor 2 failure)	Replace the gear actuator assembly
	Input speed sensor 2 failure	Replace the input speed sensor
	Faulty Gear (2, 4, 6, R)	Replace the gear
	Faulty clutch 2	Replace the dual clutch assembly
	Faulty engagement bearing 2	Replace the clutch engagement bearing 2 assembly

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Impossible to driving	TCM failure	Replace the TCM
	Odd / even system simultaneous failure	Replace the dual clutch assembly or gear
	Inhibitor switch / shift lever sensor simultaneous failure	Replace the inhibitor switch
Impossible to manual mode	Inhibitor switch failure	Replace the inhibitor switch
	Shift lever sensor failure	Replace the shift lever
	Manual mod switch failure	Replace the manual mod switch housing
Noise	Oil level (Low)	Refill the oil with transmission after inspecting the parts (Oil seal, Drain plug, Filler plug).
	Oil (Wrong)	Replace the oil
	Synchronizer ring (Worn or damaged)	Replace the synchronizer ring
	Gear (Worn or damaged)	Replace the gear
	Bearing (Worn or damaged)	Replace the bearing
Oil leak	Oil level (High)	Inspect the oil level
	Gasket (Damaged)	Replace the gasket
	Oil seal (Damaged)	Replace the oil seal
Hard shifting or impossible to shift	Oil (Wrong)	Replace the oil
	Shift fork (Damaged)	Replace the shift fork
	Hub sleeve (Worn or damaged)	Replace the hub sleeve
	Gear (Worn or damaged)	Replace the gear
	Bearing (Worn or damaged)	Replace the hub bearing

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