

5B



## Manual Transmission Symptom Diagnosis

Condition	Possible Cause	Action
<b>Noisy engine (Noise seems to come from the transmission)</b>	Worn or rubbing gear.	Replace.
	Worn countershaft spline.	Replace countershaft.
	Worn driveshaft spline.	Replace driveshaft.
	Worn bearing.	Replace. 
<b>Transmission will not shift</b>	Broken gearshift cam.	Replace.
	Distorted gearshift fork.	Replace.
	Worn gearshift pawl.	Replace.
<b>Transmission will not shift back</b>	Broken gearshift shaft return spring.	Replace.
	Rubbing or stuck gearshift shaft.	Repair or replace.
	Worn or distorted gearshift fork.	Replace.
<b>Transmission jumps out of gear</b>	Worn shifting gears on driveshaft or countershaft.	Replace.
	Worn or distorted gearshift fork.	Replace.
	Weakened gearshift cam stopper spring.	Replace.
	Worn gearshift cam plate.	Replace.