

# Manual Transmission

Special Tools .....	13-2
Maintenance	
Transmission Oil .....	13-3
Back-up Light Switch Neutral Position Switch Replacement .....	13-3
Reverse Lockout System	
Component Location Index .....	13-4
System Description .....	13-5
Troubleshooting Flowchart	13-7
Solenoid	
Test .....	13-11
Replacement .....	13-11
Transmission Assembly	
Removal .....	13-12
Component Location Index .....	13-16
Reassembly .....	13-48
Installation .....	13-53
Transmission Housing	
Removal .....	13-18

Reverse Shift Arm, Reverse Shift Fork Clearance Inspection .....	13-19
Reverse Idler Gear Shaft Assembly	
Removal .....	13-20
Disassembly/ Reassembly .....	13-21
Reverse Shift Fork Assembly	
Disassembly/ Reassembly .....	13-22
Mainshaft, Countershaft, Differential Assemblies	
Removal .....	13-22
Shift Lever, Select Lever	
Removal .....	13-23
Change Holder Assembly	
Disassembly/ Reassembly .....	13-25
Change Holder Assembly, Shift Fork	
Clearance Inspection .....	13-26

Shift Fork, Syncro Sleeve	
Clearance Inspection .....	13-27
Shift Fork Assembly	
Disassembly/ Reassembly .....	13-28
Mainshaft Assembly	
Component Location Index	
'97-99 Models .....	13-29
'00-05 Models .....	13-2c
Clearance Inspection	
'97-99 Models .....	13-30
'00-05 Models .....	13-3c
Disassembly .....	13-32
Inspection .....	13-33
Reassembly .....	13-34
Countershaft Assembly	
Component Location Index .....	13-35
Clearance Inspection .....	13-36
Disassembly .....	13-37

Inspection .....	13-38
Reassembly .....	13-38
Syncro Sleeve, Syncro Hub	
Inspection .....	13-40
Installation .....	13-40
Synchro Ring, Gear	
Inspection .....	13-41
Oil Pump	
Disassembly/ Reassembly .....	13-42
Clearance Inspection .....	13-43
Mainshaft Oil Seal (Clutch Housing)	
Replacement .....	13-44
Countershaft Bearing (Clutch Housing)	
Replacement .....	13-45
Mainshaft Thrust Shim	
Adjustment .....	13-46
Gearshift Mechanism	
Overhaul .....	13-57