

Condition	Cause	Remedy
Position P: Park position does not engage	<ul style="list-style-type: none"> a) Shift linkage between selector lever and transmission maladjusted b) Excessive friction in parking lock mechanism 	<ul style="list-style-type: none"> a) Adjust selector lever, refer to 24 00 007 b) Replace parking lock parts (connecting rod, pawl), refer to 24 34 006
Park position does not hold (slips)	<ul style="list-style-type: none"> a) Shift linkage between selector lever and transmission maladjusted 	<ul style="list-style-type: none"> a) Adjust selector lever, refer to 24 00 007
Engine cannot be started in N or P, or can be started in all positions	<ul style="list-style-type: none"> a) Shift linkage between selector lever and transmission maladjusted b) Transmission switch faulty. Starter motor inhibit relay or power line defective 	<ul style="list-style-type: none"> a) Adjust selector lever, refer to 24 00 007 b) Replacing transmission switch, refer to 25 16 080. Replacing/repairing relay between inlet lines
Position R: No reverse gear	<ul style="list-style-type: none"> a) Shift linkage between selector lever and transmission maladjusted b) Clutch B destroyed c) Brake D destroyed In this case also no engine braking effect in position 2, 1st gear d) Brake G destroyed e) Refer to "Troubleshooting Valve Body" 	<ul style="list-style-type: none"> a) Adjust selector lever, refer to 24 00 007 b) Exchange transmission, refer to 24 00 046 c) Exchange transmission, refer to 24 00 046 d) Exchange transmission, refer to 24 00 046
Hard engaging jolt P-R or N-R	<ul style="list-style-type: none"> a) Idling speed too high b) Refer to "Troubleshooting Valve Body" 	<ul style="list-style-type: none"> a) Refer to Test Plan
Condition	Cause	Remedy
Backup lights do not light up (electrics OK)	<ul style="list-style-type: none"> a) Transmission switch faulty b) Shift actuation between selector lever and transmission incorrectly set 	<ul style="list-style-type: none"> a) Replace transmission switch, refer to 25 16 080 b) Adjust selector lever, refer to 24 00 007
Car moves or creeps	<ul style="list-style-type: none"> a) Shift linkage between selector lever and transmission maladjusted b) Clutch A defective (welded solid) 	<ul style="list-style-type: none"> a) Adjust selector lever, refer to 24 00 007 b) Exchange transmission, refer to 24 00 046

Position D: No power transmission	<ul style="list-style-type: none"> a) Clutch A destroyed b) 1st gear one-way Gear defective c) Shift linkage between selector lever and transmission maladjusted 	<ul style="list-style-type: none"> a) Exchange transmission, refer to 24 00 046 b) Exchange transmission, refer to 24 00 046 c) Adjust selector lever, refer to 24 00 007
Hard shift impact N - D) (neng > 1500 rpm)	<ul style="list-style-type: none"> a) Idling speed too high b) Also refer to "Troubleshooting Valve Body" 	<ul style="list-style-type: none"> a) Refer to Inspection Manual
No shift (warm or cold)	<ul style="list-style-type: none"> a) Refer to "Troubleshooting Valve Body" 	
No shift: Shift 1-2	<ul style="list-style-type: none"> a) Brakes C1 and 2 faulty b) Insufficient oil supply to brakes C1 and C2 	<ul style="list-style-type: none"> a) Exchange transmission, refer to 24 00 046 b) Exchange transmission, refer to 24 00 046
Shift 2-1	<ul style="list-style-type: none"> a) Refer to "Troubleshooting Valve Body" 	
Shift 2-3	<ul style="list-style-type: none"> a) Clutch F faulty b) Insufficient oil supply to clutch F 	<ul style="list-style-type: none"> a) Exchange transmission, refer to 24 00 046 b) Exchange transmission, refer to 24 00 046
Shift 3-2	<ul style="list-style-type: none"> a) Refer to "Troubleshooting Valve Body" 	
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Shift 3-4	<ul style="list-style-type: none"> a) Clutch E faulty b) Insufficient oil supply to clutch E 	<ul style="list-style-type: none"> a) Exchange transmission, refer to 24 00 046 b) Exchange transmission, refer to 24 00 046
No braking effect: Shift 4-3	<ul style="list-style-type: none"> a) Brake band C2 faulty; in this case shift 1-2 not OK b) Insufficient oil supply to brake C2 	<ul style="list-style-type: none"> a) Exchange transmission, refer to 24 00 046 b) Exchange transmission, refer to 24 00 046
No shift: Shift 4-5	<ul style="list-style-type: none"> a) Refer to "Troubleshooting Valve Body" 	
No shift: Shift 5-4	<ul style="list-style-type: none"> a) Clutch A faulty, in this case no 1st ... 4th gear 	<ul style="list-style-type: none"> a) Exchange transmission, refer to 24 00 046
Shift from full load to kickdown too long	<ul style="list-style-type: none"> a) Plates broken 	

	b) Also refer to "Troubleshooting Valve Body"	a) Exchange transmission, refer to 24 00 046
Engine spins in shift 2-1	a) Poor friction torque at plates b) 1st gear one-way Gear not OK	a) Exchange transmission, refer to 24 00 046 b) Exchange transmission, refer to 24 00 046
Engine spins in shift 2-3/3-2	a) Poor friction torque at plates b) Also refer to "Troubleshooting Valve Body"	a) Exchange transmission, refer to 24 00 046
Engine spins in shift 4-3	a) Poor friction torque at plates b) 3rd gear one-way Gear not OK	a) Exchange transmission, refer to 24 00 046 b) Exchange transmission, refer to 24 00 046
Engine spins in shift 4-5/5-4	a) Poor friction torque at plates b) Also refer to "Troubleshooting Valve Body"	a) Exchange transmission, refer to 24 00 046

Condition	Cause	Remedy
No engine braking effect, no manual downshift 5-4	a) Clutch A damaged b) Also refer to "Troubleshooting Valve Body"	a) Exchange transmission, refer to 24 00 046
No engine braking effect, no manual downshift 4-3/3-2	a) Refer to "Troubleshooting Valve Body"	a) Exchange transmission, refer to 24 00 046
No 1st gear, no braking action	a) Brake D faulty b) Also refer to "Troubleshooting Valve Body"	a) Exchange transmission, refer to 24 00 046
Shift transition too hard	a) Torque converter faulty b) Also refer to "Troubleshooting Valve Body"	a) Replace converter, refer to 24 40 006
No converter lockup clutch	a) Torque converter faulty b) Also refer to "Troubleshooting Valve Body"	a) Replace converter, refer to 24 40 006
Engine dies when moving off in Drive (converter lockup clutch always engaged)	a) Torque converter faulty b) Also refer to "Troubleshooting Valve Body"	a) Replace converter, refer to 24 40 006
No positive engagement in forward or reverse	a) Driver pressed off impeller	a) Exchange transmission, refer to 24 00 046

	<ul style="list-style-type: none"> a) ATF level too low b) Valve body leaks c) Oil strainer dirty d) Round seal on oil filter missing/faulty 	<ul style="list-style-type: none"> a) Correct ATF level, refer to 24 00 026 b) Replace valve body, refer to 24 30 006 c) Replace oil strainer, refer to 24 31 156 d) Replace round seal, refer to 24 31 156
Leaks Oil dripping from converter bell housing	<ul style="list-style-type: none"> a) Round seal on oil pump body leaks b) Round seal on pump body leaks c) Radial oil seal for converter leaks 	<ul style="list-style-type: none"> a) Replace round seal, refer to 24 31 020 b) Replace round seal, refer to 24 31 020 c) Replace radial oil seal, refer to 24 31 020
Condition	Cause	Remedy
Leak between transmission case and oil sump	<ul style="list-style-type: none"> a) Mounting bolts loose b) Gasket faulty 	<ul style="list-style-type: none"> a) Tighten bolts. For tightening torque, refer to Technical Data b) Replace gasket, refer to 24 11 008
Leaks Output leaks	<ul style="list-style-type: none"> a) Radial oil seal for output flange leaks b) O-ring for transmission extension leaks 	<ul style="list-style-type: none"> a) Replace radial oil seal, refer to 24 12 016 b) Replace O-ring, refer to 24 12 016
Manual shift valve shaft leaks	<ul style="list-style-type: none"> a) Radial oil seal faulty 	<ul style="list-style-type: none"> a) Replace radial oil seal, refer to 24 12 106
Transmission plug leaks	<ul style="list-style-type: none"> a) Nut loose b) O-ring faulty 	<ul style="list-style-type: none"> a) Tighten nut. For tightening torque, refer to Technical Data b) Replace O-ring
Plugs on transmission case leak	<ul style="list-style-type: none"> a) Plugs loose b) Seals faulty 	<ul style="list-style-type: none"> a) Tighten plugs For tightening torque, refer to Technical Data b) Replace seals
Oil cooler pipes leak	<ul style="list-style-type: none"> a) Oil cooler pipes loose b) O-rings faulty 	<ul style="list-style-type: none"> a) Tighten oil cooler pipes. For tightening torque, refer to Technical Data b) Replace O-rings