

Clutches

CLUTCH TROUBLE SHOOTING

CONDITION & POSSIBLE CAUSE	CONDITION & POSSIBLE CAUSE
<p>Chattering or Grabbing</p> <ul style="list-style-type: none"> ● Incorrect lever adjustment. ● Oil or grease on facings. ● Loose "U" joint flange. ● Worn input shaft spline. ● Binding pressure plate. ● Binding release lever. ● Binding disc hub. ● Glazed facings. ● Unequal pressure plate contact. ● Bent clutch disc. ● Uneven spring pressure. ● Incorrect transmission alignment. ● Loose facings. ● Scored pressure plate. ● Worn pressure plate, disc or flywheel. ● Clutch disc hub sticking on shaft. ● Worn or binding release levers. ● Broken or weak pressure springs. ● Sticking clutch pedal. ● Incorrect disc facing. ● Engine loose in chassis. <p>Spinning</p> <ul style="list-style-type: none"> ● Dry or worn bushings. ● Misaligned clutch housing. ● Bent or distorted clutch disc. ● Warped pressure plate. ● Excessive pedal free play. <p>Dragging</p> <ul style="list-style-type: none"> ● Oil or grease on facings. ● Incorrect lever adjustment. ● Incorrect pedal adjustment. ● Dust or dirt on clutch. ● Worn or broken facings. ● Warped clutch disc. ● Clutch disc hub binding on shaft. ● Binding pilot bushing. ● Sticking release bearing sleeve. ● Warped pressure plate. <p>Whirring</p> <ul style="list-style-type: none"> ● Incorrect pedal free play. ● Incorrect transmission alignment. 	<p>Rattling</p> <ul style="list-style-type: none"> ● Weak or broken release lever spring. ● Damaged pressure plate. ● Broken clutch return spring. ● Worn splines in clutch disc hub or transmission input shaft. ● Worn clutch release bearing. ● Dry or worn pilot bushing. ● Unequal release lever contact. ● Incorrect pedal free play. ● Warped clutch disc. <p>Slipping</p> <ul style="list-style-type: none"> ● Pressure plate springs worn or broken. ● Worn facing. ● Incorrect clutch alignment. ● Oil or grease on facings. ● Warped clutch disc. ● Warped or scored pressure plate. ● Binding release lever. ● Binding clutch pedal. <p>Squeaking</p> <ul style="list-style-type: none"> ● No lubrication in release bearing. ● Worn release bearing. ● Dry or worn pilot bushing. ● Pilot bearing turning in crankshaft. ● Worn input shaft bearing. ● Incorrect transmission alignment. ● No lubrication between clutch fork and pivot. ● No lubrication in torque shaft. <p>Heavy, Stiff Pedal</p> <ul style="list-style-type: none"> ● Dry or binding linkage components. ● Sticking release bearing sleeve. ● Dry or binding pedal hub. ● Pedal interference with floorboard or mat. ● Rough, dry or binding pivot ball, or fork pivots. <p>Grinding</p> <ul style="list-style-type: none"> ● Dry release bearing. ● Worn or dry pilot bearing. ● Worn input shaft bearing.