

CLUTCH FAULT DIAGNOSIS



CLUTCH JUDDER



Fault: Diaphragm fingers distorted

Cause

- Incorrect fitment
- Cover assembly dropped before fitment

NOISY CLUTCH



Fault: Damaged torsion damper

Cause

- Incorrect fitment
- Incorrect driving practice, e.g. high to low gear change

CLUTCH FAILS TO DISENGAGE



Fault: Clutch assembly damaged

Cause

- Incorrect fitment
- Incorrectly aligned to the flywheel

CLUTCH SLIPPING



Fault: Damaged torsion damper

Cause

- Incorrect fitment
- Incorrect driving practice, e.g. high to low gear change



Fault: Release bearing incorrectly lubricated

Cause

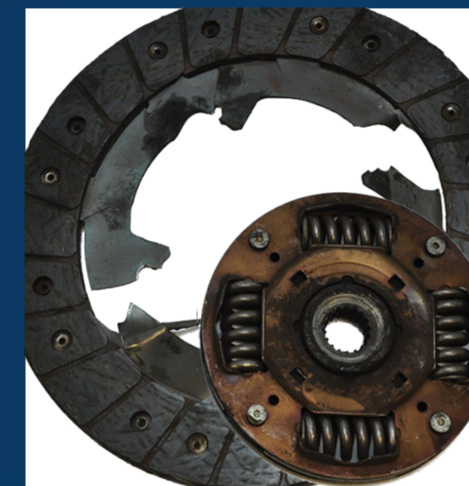
- Inner bore over-greased or surplus grease not removed
- Incorrect grease used, e.g. copper based grease



Fault: Bearing and casing damaged

Cause

- Incorrect adjustment of release arm
- Insufficient bearing pre-load



Fault: Driven plate segments sheared

Cause

- Worn or missing spigot bearing
- Gearbox hung on input shaft while assembling the clutch
- Incorrect driving practice, e.g. high to low gear change



Fault: Facing contaminated by grease

Cause

- Splines over-greased or surplus grease not removed
- Incorrect grease used, e.g. copper based grease



Fault: Facing contaminated by grease

Cause

- Splines over-greased or surplus grease not removed
- Incorrect grease used, e.g. copper based grease



Fault: Hub assembly broken

Cause

- Incorrect fitment
- Driven plate fitted wrong way round



Fault: Burst friction material facing

Cause

- Incorrect driving practice, e.g. high to low gear change
- Over-revving, causing the driven plate to exceed the burst speed of the friction material



Fault: Pressure plate overheating

Cause

- Oil on the facing due to faulty gearbox oil seals
- Insufficient release bearing clearance
- Damaged release system
- Continuous incorrect use of the clutch allowing prolonged clutch slipping



Fault: Damaged hub spline profile

Cause

- Incorrect fitment
- Gearbox input shaft and hub splines not correctly aligned
- Driven plate not centred
- Incorrect driven plate



Fault: Torsion spring window damaged or spring broken out

Cause

- Incorrect driving practice, e.g. high to low gear change
- Driving the vehicle in a high gear at low revs
- Timing of engine is out of sync



Fault: Contact marks on flywheel side

Cause

- Incorrect fitment of driven plate
- Incorrect flywheel bolts used



Fault: Deep grooves on the pressure plate

Cause

- Driven plate facing badly worn
- Incorrect release bearing clearance
- Faulty release system
- Clutch operating in a partially disengaged condition

FOR TECHNICAL SUPPORT, PLEASE CALL: **+44 1295 257010**

FOR MORE INFORMATION, PLEASE VISIT: **RYMEC.COM**