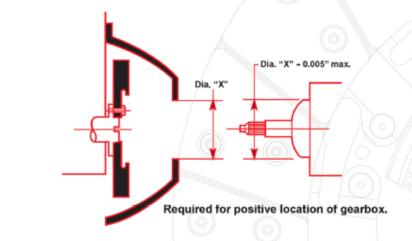


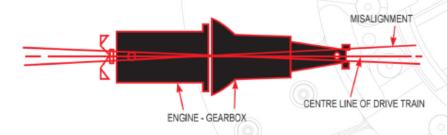
# Clutch Kit Installation Notes Misalignment

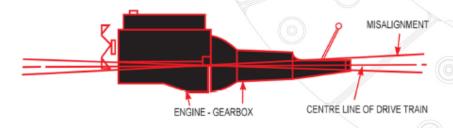
## DOES THE CLUTCH YOU HAVE JUST REMOVED SHOW ANY OF THESE SIGNS OF WEAR?

- Broken clutch plate.
- Worn diaphragm fingers.
- Red dust covering the clutch assembly.
- Loose pivot rings inside the cover assembly.
- Release bearing guide worn on one side.

If it does, the clutch has probably failed due to driveline misalignment. Fitting a new clutch without rectifying any misalignment will lead to possible premature failure of the new clutch.









## Clutch Kit Installation Notes Misalignment

### WHAT CAUSES MISALIGNMENT?

The most common causes of driveline misalignment are:

- Missing or damaged dowel pins allowing the transmission to be bolted off centre.
- Mislocated front bearing retainer.
- Foreign matter between the engine block and the transmission mounting faces.
- Missing or worn pilot bearing.
- Broken block flange.

### WHAT ARE THE SYMPTOMS OF MISALIGNMENT?

- Pedal graunch with the engine running.
- Deterioration of the clutch until non-release occurs.
- Failed drive plate.
- Red dust covering clutch and/or groove worn in the diaphragm by the release bearing.

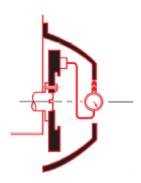
### HOW DO I PREVENT MISALIGNMENT?

Whenever you are replacing a clutch, inspect the old components. If misalignment is present you will need to find the cause.

- Inspect all dowels and dowel holes for condition.
- Inspect release bearing guide and replace if necessary.
- Clean all mating surfaces.
- Inspect block flange for damage.

REMEMBER - IF MISALIGNMENT IS PRESENT, FITTING A NEW CLUTCH KIT WILL NOT FIX THE CAUSE OF THE PROBLEM AND THE MISALIGNMENT WILL QUICKLY DESTROY THE NEW CLUTCH.

How to check for engine/transmission misalignment



#### STEP 1

Mount indicator to flywheel and determine concentricity of bell housing bore to centre line of crank rotation, SPECIFICATION: 0.15mm max, T.I.R.



#### STEP 2

With indicator still mounted to flywheel ensure rear surface of housing is square. SPECIFICATION: 0.15mm max, T.I.R.



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