

# TECH NOTE 010

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## RELEASE BEARING DISPLACEMENT FOR CLUTCH CONVERSIONS

1. For successful operation of the clutch when a vehicle is modified (engine or transmission transplants) sufficient release bearing displacement is required.
2. Dependant on the cover assembly and clutch plate being used, the effective bearing travel will be between 8.0 – 12.7 mm. This dimension can be determined by simulating the release stroke under a bench press. Locate the clutch system on the flywheel and depress the diaphragm fingers via the release bearing until the driven plate is free.
3. Please be reminded that as the driven plate wears, the diaphragm fingers will become biased toward the transmission with a push type system, and biased toward the flywheel with a pull type system. Consideration must be given to provide sufficient clearance to cater for this wear allowance.
4. Locate the release bearing on the throw out fork and position the fork at the mid point of the bell housing window. Measure the dimension from the front face of the bell housing to the release bearing contact face. (Dimension A)
5. After mounting the cover assembly and driven plate to the flywheel, measure the installed height of the diaphragm, (Engine plate to clutch diaphragm. Dimension B) Dimension A & B should be equal. Should there be any variation; make the necessary adjustments to the bearing position via the release lever pivot point to achieve the correct location.