



## TSB-160

### R32 and R33 GTR Pull Type Gearbox Conversion

- 1.) Extensively clean the bellhousing, making sure to remove all grease, oil and contaminants that may damage the clutch components.



- 2.) Carefully mark the centre of the casting on the bellhousing where the new slave will mount.



- 3.) Using an 8.5mm drill bit, carefully drill the first hole for the slave. Ensure that the hole is square to the casting surface.

- 4.) Tap this hole to create a thread using a M10X1.5 tap



- 5.) Mount the slave on the casting with this one bolt hole and align the slave to the centre of the fork window.  
 6.) Mark, drill and tap the other mounting hole based on the slave alignment.  
 7.) If the gear oil has not been drained, ensure this is removed before starting the next step.



- 8.) Remove the front cover of the transmission by undoing all of the bolts and then remove the front cover gasket.  
 9.) Clean the mounting surface on the transmission of any contaminants and any old gasket.  
 10.) Use an aviation gasket sealant with the new gasket and mount the new front cover in place, torqueing the bolts up evenly.  
 11.) Lubricate the pivot points on the new clutch fork and the new pivot ball. Also lubricate the nose cone before installing the new bearing carrier, clutch fork and clutch fork boot.



- 12.) With the new clutch mounted on the vehicle and the transmission carefully guided into place, install the new slave cylinder on the bellhousing.
- 13.) Ensure to re-fill the transmission with fresh gear oil before starting the engine.



[youtube.com/watch?v=e6vmO3adFbg](https://youtube.com/watch?v=e6vmO3adFbg)



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