



# CLUTCHTECH



## TSB-251

### Setting an Eaton Clutch

Australian Clutch Services offers a range of tools to help with the procedure of setting an Eaton Clutch.



ACT-EAT03: 1/2" gauge for checking clearance between the bearing and clutch brake.



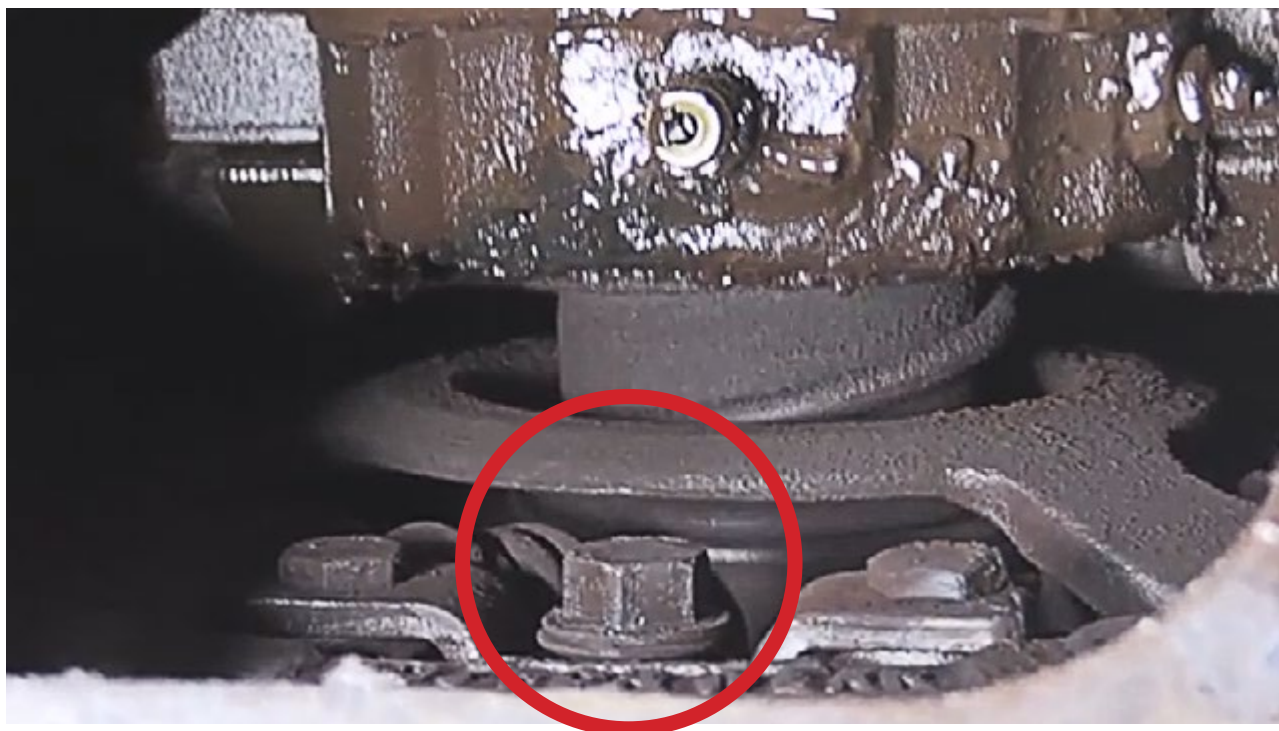
ACT-EAT02: 1/8" gauge for checking clearance on the bearing and fork.

### Setting the clearance between bearing and clutch brake

To set the clutch, first remove the inspection plate and bearing lubrication line to gain access to the clutch.

Adjust the clutch linkage so the fork is contacting the bearing without any free play and operate the clutch 5 times.

Before bearing to clutch brake adjustments can be made, someone will need to be in the vehicle and operate the clutch fully to take up the load allowing the adjustments to occur. The engine may need to be turned to gain access to the quick adjuster (pictured).



Check the clearance with the ACT-EAT03 1/2" gauge. If the gauge fits in without needing any adjustment, verify the clearance by using a 0.254mm (0.010") feeler gauge between the bearing and brake and fully depress the clutch pedal. If the feeler gauge becomes clamped, slowly release the clutch pedal and stop as soon as the feeler gauge becomes free. Measure the distance from the pedal to the floor. It should be between 12.7mm – 25.4mm (0.5" – 1"). If it is outside of this range or the feeler gauge remained unclamped, follow the bearing adjustment procedure.



## Bearing Adjustment

To adjust the height of the bearing, push down on the adjuster to release it from its locking mechanism and turn it in the required direction. Release the clutch and re-check the clearance.

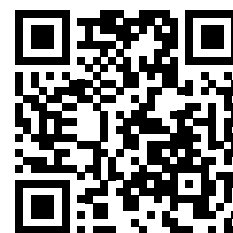
Repeat until the feeler gauge becomes free with the clutch pedal to floor distance satisfying 12.7mm – 25.4mm (0.5" – 1").

## Setting the clearance between bearing and fork

Using ACT-EAT02, check the clearance between the fork and the bearing. The gauge should be able to fit between the two. If not, wind in the upper pedal stop in the cabin. This will allow the pedal to move as the clutch wears. If there is excessive play, wind the pedal stop out. The free play allowable movement at the pedal should be no less than 1" and no more than 2".



[youtube.com/watch?v=8AsL1hwjkSQ](https://youtube.com/watch?v=8AsL1hwjkSQ)



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