

# Toyota Aygo / Citroen C1 / Peugeot 107 – Clutch kit replacement

## Applications: 1.0i Petrol (KB10, 1KR-FE) 2005 >

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**180mm Clutch superseded by 190mm** – It is a commonly known problem in the aftermarket that the O/E 180mm Ø Toyota clutch kits can fail around 40,000 miles. Toyota have issued a technical service bulletin stating an improved 190mm clutch has been implemented to replace the earlier version 180mm Ø version.

This clutch kit is the new improved design and is the larger 190mm Ø diameter.

**Lower pedal noticeable** – Due to the differences in diameter and overall design, the new clutch engagement will be between 15 > 20mm lower than before, which may be noticed by the owner.

**Inspect flywheel** – As the clutch has increased in diameter, please ensure the flywheel is not worn. If it is – we recommend the flywheel is either replaced or professionally machined.

**Inspect release lever for cracks** – The manufacturer has issued a TSB to highlight the clutch release lever design has also been improved to prevent heavy operation and lever damage.

If there are stress cracks evident on the release lever, please replace both the fork and the lever.

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### Extend the life of the new clutch – Manually adjust the free play

This application does not have an automatic clutch pedal free play adjuster.

Toyota have issued a further bulletin stating the clutch pedal free play must be checked and adjusted at every service interval (9,000 miles). The lack of free play in the pedal reduces the amount of clamping pressure applied by the clutch cover, leading to premature wear.

So, when carrying out a service or fitting new clutch kit to a Toyota Aygo, Peugeot 107 or a Citroen C1, please make sure you check the clutch pedal free play and adjust as necessary.

Pedal free play should be 23mm +/- 5mm (press the pedal gently by hand, when additional resistance occurs - the pedal height should be measured).

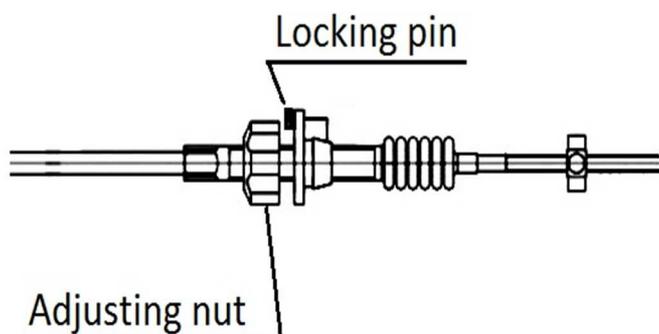
Pull the adjusting nut free of the locking pin.

Rotate the nut to increase or decrease as necessary (a full nut rotation is approx. 6.5mm free pedal play).

Place the nut back over the locking pin afterwards.

Operate the clutch 2-3 times.

Re-measure the pedal and adjust as necessary.



**High clutch pedal** - After adjustment, the clutch pedal may be higher than the brake pedal. This is normal, but the owner may need this explaining.