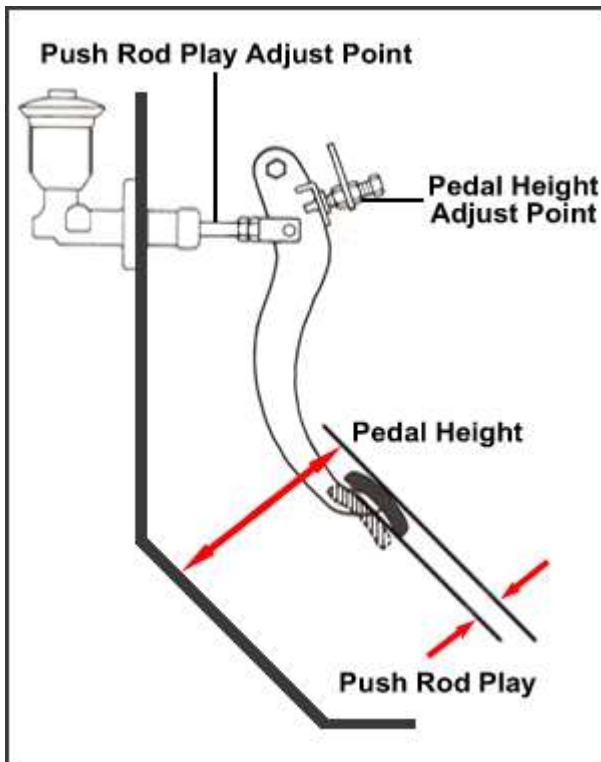


# Clutch Adjustment Guide

How to adjust the clutch system on Toyota 4x4's.

When fitting a new clutch component, clutch adjustment maybe required. Many technicians believe the Hilux Pickups, Hilux Surfs & Land Cruisers have a hydraulic clutch system where there is no clutch adjustment, this is incorrect. They do have clutch adjustment and are adjustable; below we demonstrate how clutch adjustment can be achieved.



## Checking the pedal height is correct.

Pedal Height from the floor panel: 151mm (5.94 inch)

Push rod play at the pedal top: 1.0mm - 5.0mm  
(0.039 - 0.197 inch)

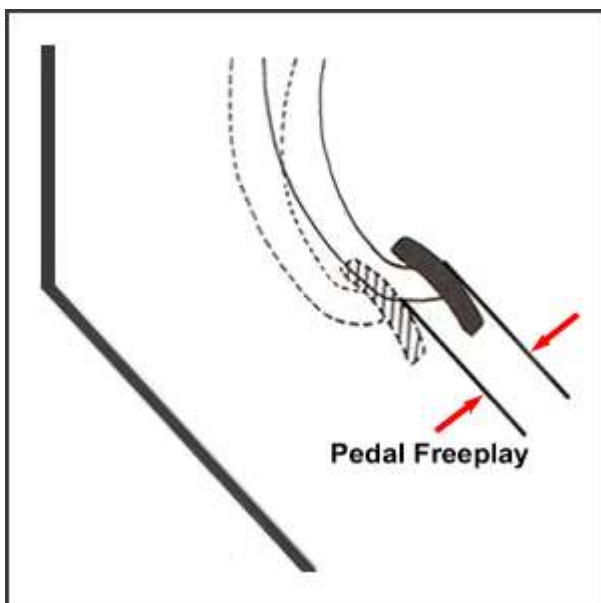
If incorrect adjust the pedal height and push rod play.

Adjust the pedal height by loosening the lock nut and turn stopper bolt until the height is correct and tighten the lock nut

To adjust the push rod, loosen the lock nut and turn the push rod until the push rod play is correct and tighten the lock nut.

Shorten the push rod = More freeplay

Lengthen the push rod = Less freeplay



## Checking the pedal freeplay is correct.

Push in the pedal until the beginning of the clutch resistance is felt.

Pedal Freeplay: 5mm - 15mm (0.20 - 0.59 inch)

If required adjust the pedal freeplay by loosening the lock nut and turn the push rod until the freeplay is correct and tighten the lock nut.

After adjusting the pedal freeplay, check the pedal height.

## Flywheel bolt torque's for guidance only:

2.4 TD 2L & 3L = 90 ft/lbs

3.0 TD 1KZTE = 107 ft/lbs