

REMAINS WITH
VEHICLE

FITMENT & SERVICE INSTRUCTIONS

70 SERIES - TRACK CORRECTION LEAF DIFFERENTIAL/GVM



Thank you for choosing to use
JMACX Off Road Solutions
for your vehicle.

The **JMACX** Team
Off Road Solutions

REV.2

WWW.JMACX.COM.AU

Installation Instructions:

- 1) Upon fitment it is the installers responsibility to ensure clearance on components such as shock absorbers, brake lines etc. (As with any modification on a vehicle.) Some overly large shock absorbers may require 10mm spacers located behind shock mount on spring plate lower mount.
- 2) Remove & install all components as per vehicle manufacturers instructions. Eg. Wheel bearing, Diff centre.
- 3) Engineering certification can be supplied direct to your certifying engineer or Department of Transport Authority.
- 4) Refer to Toyota fitment instructions for installation of standard suspension parts.

IMPORTANT NOTICE

Applies to vehicles with factory electric lockers

Engage rear locker before axle and diff removal. This will allow diff center to be refitted to new housing.

DO NOT dis-engage until new axles are fitted, this will stop locker driver mechanism falling out.

Diff Assembly

STEP 1.

Remove diff centre housing studs from factory diff housings & re install new JMACX housing using **LOCTITE**.

DO NOT USE A RATTLE GUN TO REMOVE. USE STUD REMOVAL TOOL.



Ensure the 3 longer bolts are fitted in the correct position as per above image.

STEP 2.

Re assemble diff as per factory manual using factory axle seals and diff centre gasket. *NOT SUPPLIED - Recommend to only use genuine Toyota axle seals.*

Seal is to be fitted flush with spindle face.

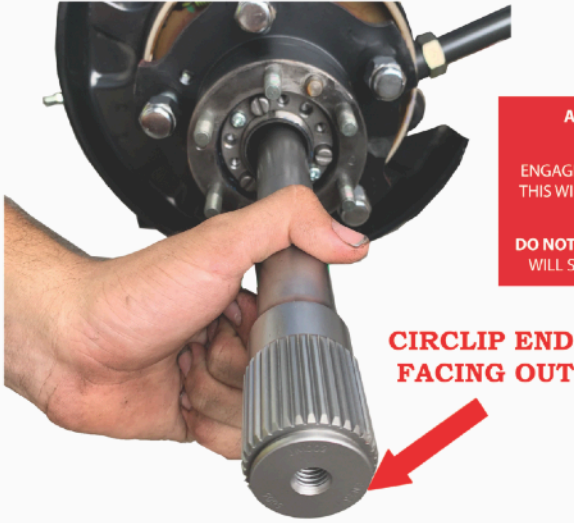


Do NOT push seal further past spindle face

Axle Installation

STEP 1.

Insert JMACX axels into housing with circlip end facing outward on wheel hub end. Lightly grease spline.



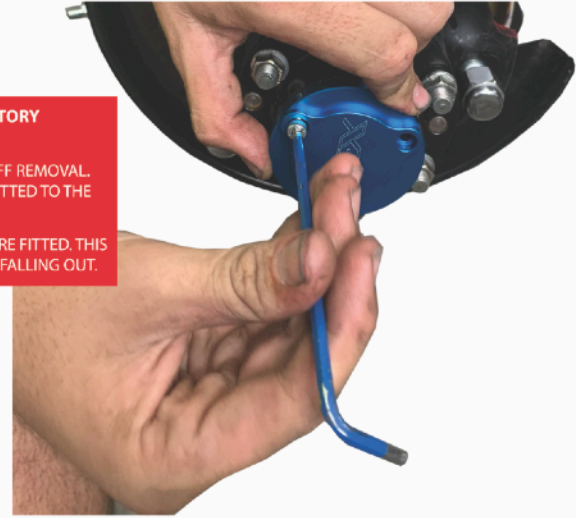
APPLIES TO VEHICLES WITH FACTORY ELECTRIC LOCKERS

ENGAGE REAR LOCKER BEFORE AXLE & DIFF REMOVAL. THIS WILL ALLOW DIFF CENTRE TO BE REFITTED TO THE NEW HOUSING.

DO NOT DIS-ENGAGE UNTIL NEW AXELS ARE FITTED. THIS WILL STOP LOCKER DRIVER MECHANISM FALLING OUT.

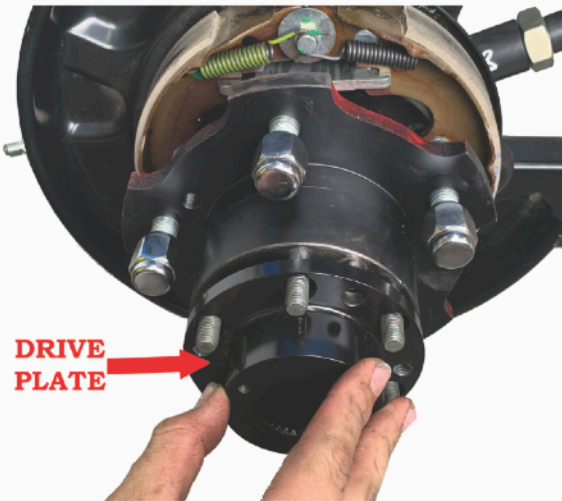
STEP 4.

Apply small amount of grease to blue end cap before fitting with 3ea M6 bolts & o-ring.



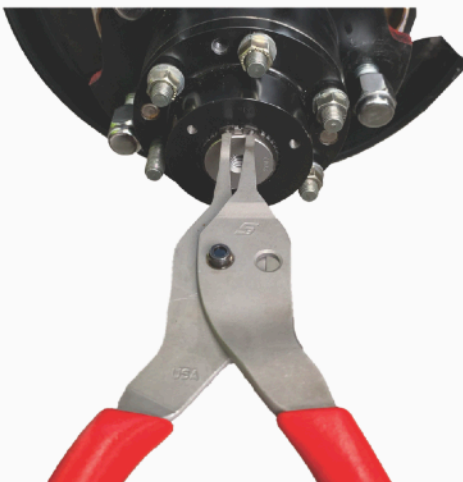
STEP 2.

Fit JMACX drive plates to wheel hubs as per factory workshop manual for existing axle fitment.



STEP 3.

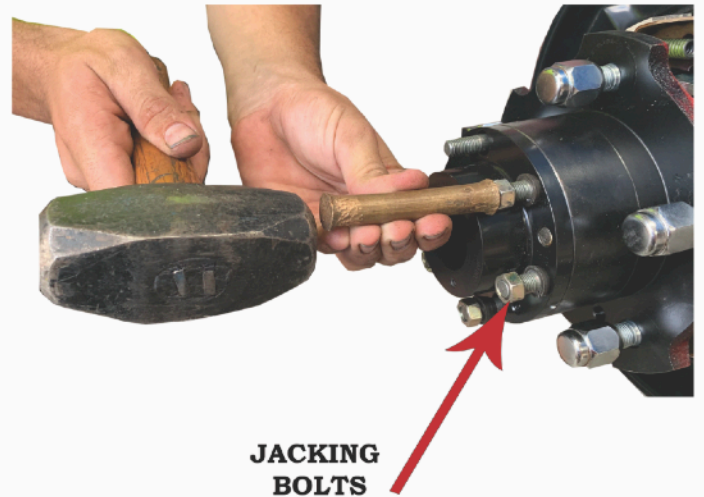
Fit circlip to axel groove, ensuring circlip is firmly locked into place.



IMPORTANT

DO NOT USE HAMMER ON DRIVE PLATES

Must use brass drift/punch to remove cones in conjunction with jacking bolts to remove drive plate. Drive plates are hardened steel, use of a hammer will cause fractures.



STEP 5.

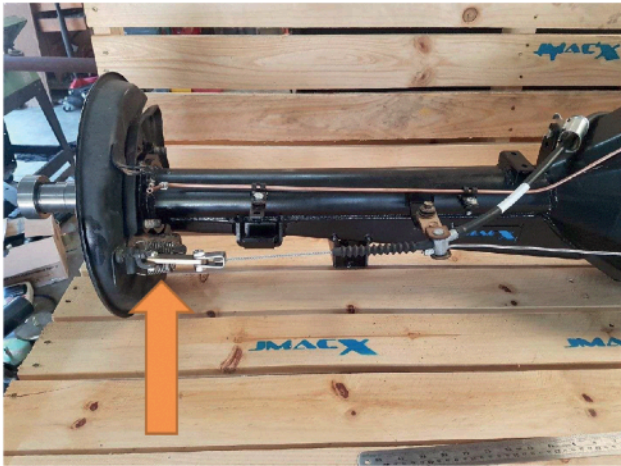
Attach sticker to Vehicle service book. It is the **Installers** responsibility to fit sticker and advise the customer that any future servicing will need to be aware of this advice.



Hand Brake

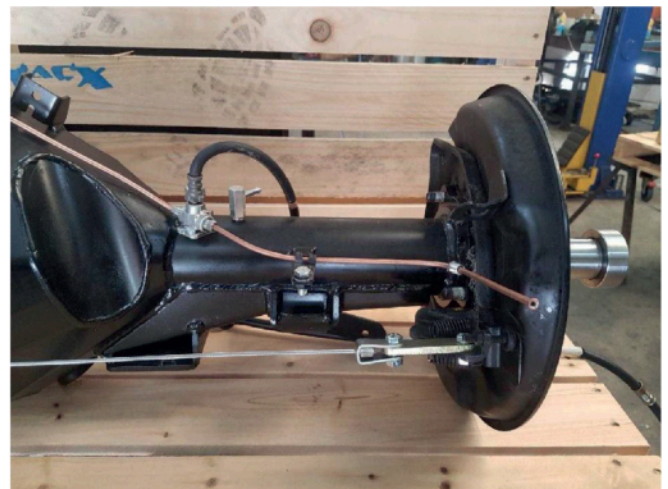
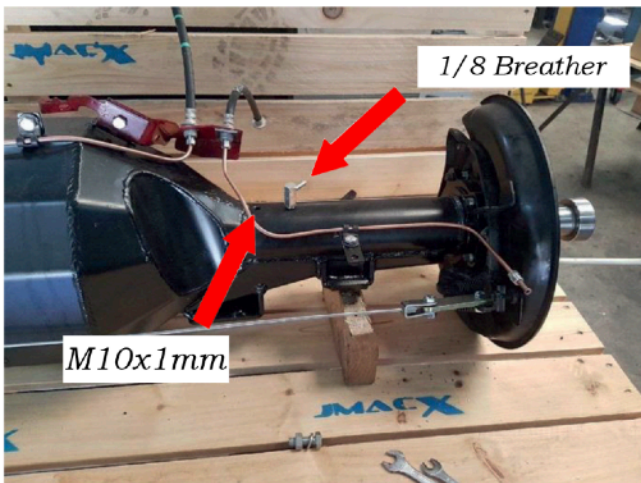
STEP 1.

Fit factory hand brake cable. Install hand brake tabs to extend at cable ends use 2 x M8 bolts supplied.



8-2016 to CURRENT DPF
Brake line Fitting

8-2007 to 2016 NON DPF Brake
line Fitting



For DPF model fit supplied 1/8 bung to 2nd M10x1mm hole (closest to the diff pumpkin on DPF model) as this is not required. Use thread lock/loctite.

- Check **ALL** suspension bolts at 1,000km -

JMACX Differential Service Info

- ▶ Bolt check/re torque and oil change to be completed at 1,000km.
- ▶ Oil change is highly recommended at 1,000km. (Oil change will be an additional charge, not included in the original fitment price)
- ▶ Park vehicle on level ground and fill oil level up to fill plug.
- ▶ Mandatory wheel bearing servicing at 20,000km as per OEM book. Oil changes as per OEM. (noting extreme conditions and/or extreme use require more frequent servicing)



OIL DETAILS-

Oil Capacity of diff approx. = 3.5Ltrs

TYPE- 75W - 90W oil as per original manufactures recommendation.

Refer to JMACX Warranty terms for advice on “Normal use” of the upgraded Diff housing.

WARRANTY:

26. Normal driving use/conditions DOES NOT include: driveline abuse, excessive power upgrades, excessive speed/driving style, larger than recommended tyres, excessive loads. Extreme driving conditions ie.Cape York/Simpson Desert travel will require a major service on the vehicle upon return of the travel.