

# Toyota Land Cruiser 100 Series IFS Diff Drop Kit UZJ100, HDJ100, FZJ100

## **Kit Contents**

- (A) 1 x Diff Drop Bracket
- (B) 2 x 65mm x 20mm (15.5mm ID) Round Spacers Steel
- (C) 1 x 70mm x 22mm (9mm ID) Round Spacer Nylon
- (D) 3 x 25mm x 20mm (8.5mm ID) Round Spacer Steel
- (E) 2 x 30mm x 21mm (9.5mm ID) Round Spacer Nylon
- (F) 1 x M14xP1.5 x 140mm Bolt
- (G) 1 x M14 Split Washer
- (H) 6 x M8xP1.25 x 40mm Bolts
- (I) 6 x M8 Flat Washers
- (J) 4 x M8 Split Washers

#### **INSTALLATION**

### Step 1

Secure vehicle appropriately, and jack up front of vehicle. Place the front frame rails on jack stands for support.

#### Step 2

Remove the front metal skid plate and plastic belly pan.

#### Step 3

Support the rear of the front diff with a floor jack or other suitable method.

Loosen the existing cross member by removing the two bolts on each side of the cross member (four bolts in total).

# Step 4

Remove the rear bolt attaching the diff control arm to the cross member.

Double check that the diff is supported adequately, and remove the cross member.

# Step 5

Still with the diff supported, remove the front mounting bolts and rubber spacer.

This bolt fastens into a captive nut.

# Step 6

Remove the rear 14mm mounting bolt. This bolt has a nut on the top side.

DO NOT DISCARD this bolt and washer – it will be used during re-assembly as the 'new' front mounting bolt.

#### Step 7

Install the new Cross member (Diff Drop Bracket (A)) using the existing hardware that was removed when removing the original cross member. Leave bolts finger tight.





# Step 8

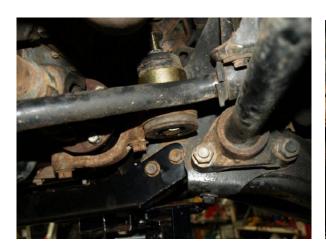
Using the old 14mm bolt (removed in step 6) and the one of the 65mm x 20mm (15.5mm ID) Round Spacers – Steel (B), reattach the front diff mount. Leave bolt finger tight.





# Step 9

Using the new supplied M14xP1.5 x 140mm Bolt (F) and M14 Split Washer (G), plus the Large Washer and Nut (removed in Step 6) re-attach the rear diff mount. Use one of the 65mm x 20mm (15.5mm ID) Round Spacers – Steel (B) between the frame mount and the diff. Leave bolt finger tight.





## Step 10

Torque all bolts to manufacturer's specifications. These will be approximately:

Rear Bolt (diff control arm to cross member) – 137 ft.lbf

Cross Member (side mounting bolts) – 50 ft.lbf

Front Bolt (front diff to chassis) – 137 ft.lbf

# Step 11

Re-install the plastic belly pan and front metal skid plate. Use the 70mm x 22mm (9mm ID) Round Spacer – Nylon (C) on the centre mounting hole. Use one of the supplied M8xP1.25 x 40mm Bolts (H) with M8 Flat Washer (I) and M8 Split Washers (J) in this location.



Use the 3 x 25mm x 20mm (8.5mm ID) Round Spacer – Steel (D) on the front mounting holes of the metal skid plate.



Use the 2 x 30mm x 21mm (9.5mm ID) Round Spacer – Nylon (E) on side mounting holes of the metal skid plate.



For these five locations use the supplied M8xP1.25 x 40mm Bolts (H) and M8 Flat Washers (I) – and on the front three spacers also use the M8 Split Washers (J).

#### **INSTALLATION COMPLETE**