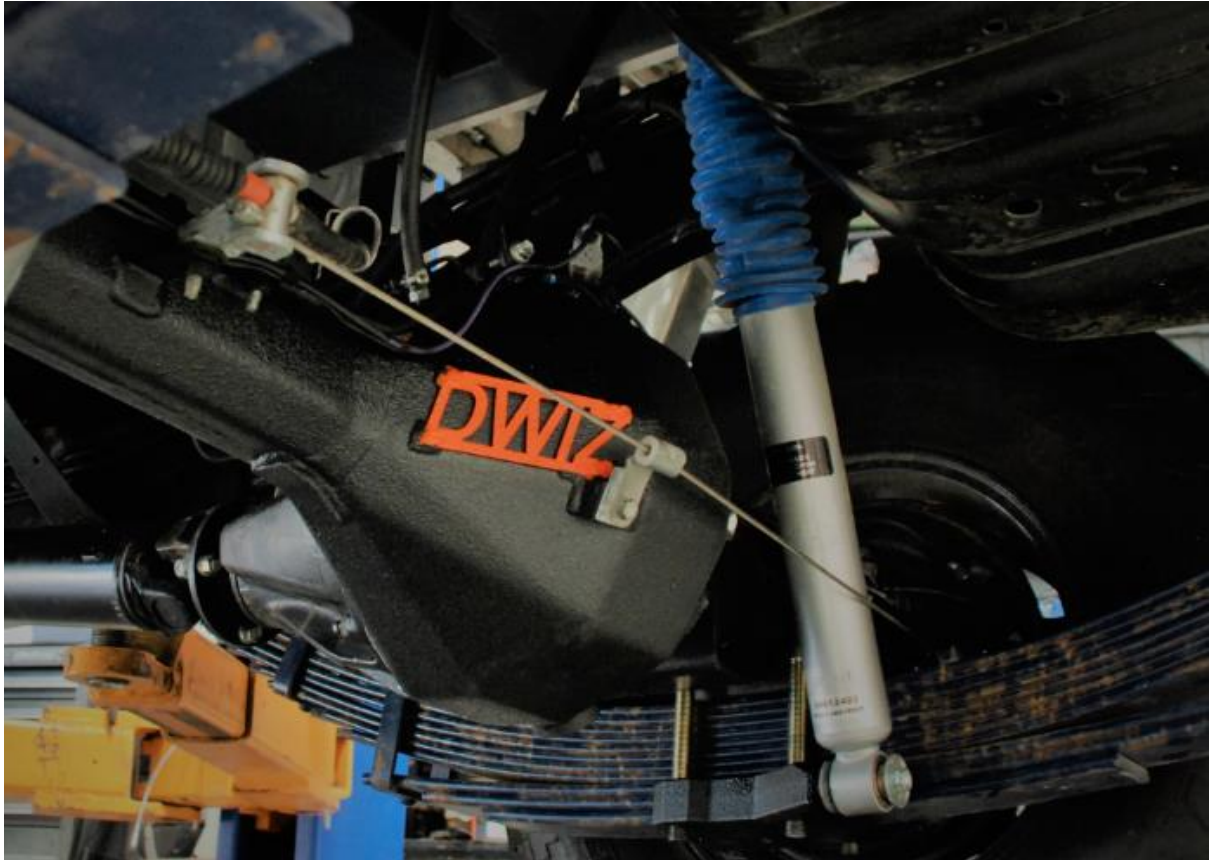


DWIZ

DIFF HOUSINGS



Fitting procedure Dwiz Diff Housing Rear 70 Series

Wheel Flares May be required for Troopy and Wagon Models

Recommend 2-person Job

Parts Supplied for Job

2 x Axle Gaskets Part N.o 43422-60070

2 x Axle Seals Part N.o- 90310-36003

1 x Diff Centre Gasket-

Either:

No Diff Lock Part N.o- 42181-60060

Or

Diff Lock Part N.o- 42181-60070

Not Supplied-

3 Litres of Manufacture recommended Diff Oil

(Important- do not overfill)

Recommended RTV Silicone Sealant- Grey MAXX

Note- Any unapproved modifications of housing will result in voiding warranty

Do not make any modifications without contacting us first on either 0450 256 355, or 07 4124 8500

1. On Factory Diff Lock equipped models- Engage rear diff lock and 4WD before starting disassembly as rear diff cannot be removed with diff lock in unlock position.
2. Lift vehicle, support with jack stands (if using jacks support under chassis)
3. Remove Wheels
4. Remove nuts, washers and Collets from axle assembly (Strike with hammer to loosen collets if needed), and remove axle- Using 2 (8 x 1.25) thread bolt screwed into provide holes withdraw axles. Repeat process on opposite side.
5. Drain Diff Oil
6. Remove tail shaft
7. Remove centre Diff (If diff lock model remove wiring and stone shield)- Caution Very Heavy
8. Remove all brake lines, electrical brackets and ABS Sensors
9. Remove Handbrake cleaveraces
10. Remove Backing plate nuts. Repeat process on opposite side.
11. Remove Hub retaining screws and hub nut. Repeat process on opposite side.
12. Remove brake line fitting and rear hub assembly. Repeat process on opposite side.
13. Remove Ubolts on each side
14. Remove Housing

15. Change studs from original housing- Do this as you go to replace into corresponding positions.



16. Replace breather from original housing. Clean internal area of new housing

17. Refit housing on to leaf springs

18. Use supplied Suspension Bolts to drop into bolt shackle (If vehicle has airbag suspension, install upper plate at this point- See final page of instructions)

19. Tighten suspension bolts to High Clearance Plates (recheck after 100 kms of Driving) Torque setting 100-125 Foot Pound

20. Install new axle seal, refit hub assembly and hub backing plate.

Repeat process on opposite side.

21. Refit wheel bearing, and adjust to factory specifications, bearing hub and retaining screws. Repeat process on opposite side.

22. Fit Centre diff gasket (Use light smear of silicon)

23. Refit diff centre (Ensure is straight to the studs and tighten in triangle pattern)

24. Refit tail shaft

25. Refit all brake brackets (Bend our brackets, and factory brackets to suit) and ABS Sensors



26. Refit the diff breather (Please be aware to only screw factory breather in 3 threads only, as any more may cause fouling on the baffle, which will make oil blow out of the breather)
27. Attach Handbrake extensions
28. Refit factory drain plug
29. Remove locating pin from old axle if still in old axle
30. Fit locating pin into new axle
31. Fit axle Gasket
32. Fit axle and tighten in triangle pattern. Repeat process on opposite side.
33. Fill Diff with factory recommend oil.
34. Adjust handbrake (Bend our brackets, and factory fitting bracket on pumpkin for best suit)
35. Cut excess length off bolts of high clearance plates
36. Refit wheels
37. Lower vehicle to the ground and torque wheel nuts.
38. Test drive and check for leaks

Air Bag Suspension

AIRBAG MAN/PolyAIR

Secure Airbag Bellow using existing 10mm bolt directly to DWIZ Adapter plate



Boss/Thor

Secure Dwiz Adapter plate to Boss Adapter plate

Secure Bellow to Boss Plate with 6 x bolts

Fit 2 x Plugs



Dwiz Diff Housings

U4/38 Southern Cross Circuit

Urangan

4655

Todd@dwizdiffhousings.com.au

0450 256 355

DWIZ 70 Series Rear Track Correction kit Installation Checklist

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Before Starting-

Check all required components are supplied in kit

- DWIZ Housing

- 2 x axles (Short and long)

- 2 x Left and Right high clearance Plates

- 8 x Suspension bolts

- Diff Centre Gasket

- 2 x axle seals/2 x axle gaskets

- 2 x Handbrake extensions

- 2 x New washers for Bung/fill plug

- If ordered- Airbag adapter plates/Sway bar spacer

- Fitting instructions

Check you have engaged 4wd and diff lock before commencing

Safely lift vehicle on appropriate hoist

Check you have 2.8 ltrs of manufacturer recommended diff oil

DWIZ 70 Series Rear Track Correction kit Installation Checklist

Page 2 of 2

Once Completed-

- Check suspension bolts are correctly torqued to 100-120 ft pound*
- Check diff lock is operational*
- Check Wheel bearings are correctly tensioned*

- Using SST, torque the bearing lock nut (SST 09509-25011)

Torque:59 NM – Make the bearing smooth by turning hubs a few times

-Using SST retighten the bearing lock nut (Torque- 59NM)

- Using SST loosen Nut until it can be turned by hand

- Using spring tension gauge, Check pre load and tighten the nut until preload is with in spec- (At starting) 24-52N (2.4kg-5.3kg)

(Make sure there is no contact with handbrake shoe

- Check correct amount of diff oil filled (2.8lt)*
- Check wheels nuts are correctly torqued to manufacture settings*
- Test drive and check for leaks*



70 Series Rear Track Correction Diff Housing and Axle Warranty

Dwiz Diff Housings provide a 24 month/50,000km warranty (whichever is lesser) Manufacture Warranty on all Housings and Axles from Date of Purchase.

The product is engineered to meet the stated axle load rating, subject to continued compliance with the vehicles legal Gross Vehicle Mass (GVM). Abnormal use of the vehicle by the consumer or exceeding the legal GVM and/or axle load rating of the vehicle voids the product warranty and is not considered to result in failure to meet consumer guarantee under Australian Consumer Law.

In any case of a failure, the customer must contact Dwiz as soon as possible to notify of issue. If a claim is made under warranty or Australian Consumer Law, Dwiz reserves the right to independently inspect the vehicle including components to determine cause of failure at the time of being notified of the issue. This includes, but is not limited to, weighing the vehicle including all vehicle accessories, obtaining photos of the vehicle and contacting authorising agent of fitment.

If found to be faulty or defective, Dwiz will either Repair or Replace affected component only.

If cause of failure cannot be independently determined due to location of vehicle and services available, Dwiz reserves the right to recover financial loss for any assistance provided if the product is not found to be faulty or defective.

Dwiz accepts no responsibility if the product is altered in any way, components that are not Dwiz parts, or any loss of usage time of vehicle.

As Dwiz supplies Seals and Gaskets as a courtesy, which we obtain from a 3rd party local Australian Supplier, we accept no responsibility of any failure of

these parts. You are welcome to source your own seals and gaskets to fit with the housing.

Installing of the product is deemed acceptance of this product warranty and conditions.

To make a warranty claim contact:

Dwiz Diff Housings

U4/38 Southern Cross Circuit

Urangan

Hervey Bay

QLD

4655

Email: info@dwizdiffhousings.com.au

Ph: 07 4124 9281

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.