

Fitting Instructions #3148AIS

Ford Territory / Falcon BA, BF & FG

Rear Diff Outrigger Bushes



Note: This instruction sheet is a suggested method of removing the diff bushes. There are various techniques and tools available to do the job. Manufacturers torque settings should be used to tension all bolts.

- Remove the rear seat base, disconnect the wheel speed sensors and push out from rubber bung;
- Set the car up on a hoist and remove the rear wheels, remove the rear brake calliper mounting bolts and secure calliper out of the way;
- Remove rubber exhaust hangers;
- Mark the tailshaft position and counterweights, and disconnect the shaft;
- Disconnect the handbrake cables from the 'T' junction;
- Remove the 2 stabilizer rod bolts from the chassis rails, also remove the side bolt from the right side of the rear diff bush housing near the wheel well;
- Support lower control arm and remove the lower shock absorber bolt, also remove the 2 front blade control arm nuts, lower down until blade control arm is clear from the studs. Be careful of spring tension;
- Lower the car and support the cradle with 3 or more jack stands or similar, then remove the 6 subframe nuts/bolts;
- Slowly raise the vehicle making sure no wires brake lines, shock absorbers etc are damaged.

BA MODELS – steel outer shell (**Note:** there is a variation in diff arms available for the RHS which has a longer spigot meaning the bush is not pushed in flush with back of the subframe. Please check before removing and push the bush in accordingly).

- Remove exhaust heat shield and remove both outrigger bolts;
- Undo the three side bolts of the diff arms and lever diff to remove arms;
- Using an oxy-acetylene torch apply heat to the centre crush tube until the bond is broken, then lever the tube out (Appropriate safety precautions and procedure must be followed if working with an oxy-acetylene torch) make sure no wires, brake lines etc are exposed to the flames;
- Use a hacksaw or similar to cut through the remaining shell, and then chisel the shell out;
- Clean any burrs that may have happened;
- Using the stepped down parallel spigot on the outer shell as a guide, tap into place with a plastic mallet. Alternatively, use an all-thread and appropriate washers/bearings etc. to draw the bush in until the outer shell is recessed 3-4 mm into the back of the subframe.(or refer previous note 2);
- Refit the outrigger arms to the diff then fit the new washers over the existing bolts.
- Reverse disassembly procedure to reinstall;

Note: Make sure there is clearance between the outriggers and the cradle; Make sure there is clearance between the fuel tank and the LH outrigger bolt.

Fitting Instructions #3148AIS

BF, FG MODELS – nylon outer shell

- Remove exhaust heat shield and remove both outrigger bolts;
- Undo the three side bolts of the diff arms and lever diff to remove arms;
- Use a hacksaw or similar to cut through the nylon shell, and then chisel the shell out or use a pair of vice grips to remove;
- Clean any burrs that may have happened;
- Using the stepped down parallel spigot on the outer shell as a guide, tap into place with a plastic mallet. Alternatively, use an all-thread and appropriate washers/bearings etc. to draw the bush in until the bush is flush with the back of the subframe;
- Use the grease supplied and lubricate the bore of the bush and the outside of the metal crush tube, push the tube into the bush;
- Refit the outrigger arms to the diff then fit the new washers over the existing bolts;
- Reverse disassembly procedure to reinstall;

Note: Make sure there is clearance between the outriggers and the cradle; Make sure there is clearance between the fuel tank and the LH outrigger bolt.

