

# **DIFFLOCK**



## **Difflock Guide to:**

### **Using the Difflock Crankshaft Anti-Rotation Tool**

**suitable for the following  
Land Rover engines:**

**200 TDi**

**300 TDi**

#### **DISCLAIMER**

Repairing and servicing vehicles should never be attempted unless you have appropriate professional training and are suitably qualified. If you are in any doubt about the work you intend to undertake you should consult an appropriate professional vehicle mechanic. Additionally you should always read and follow any relevant manufacturer's manuals and safety instructions in full **BEFORE** attempting any work on a vehicle. To the extent permitted by English law, Difflock Ltd accepts no liability for any loss, damage or injury arising as a consequence of any of the advice provided.

**Special Note – These instructions MUST be read in conjunction with an appropriate workshop manual.**



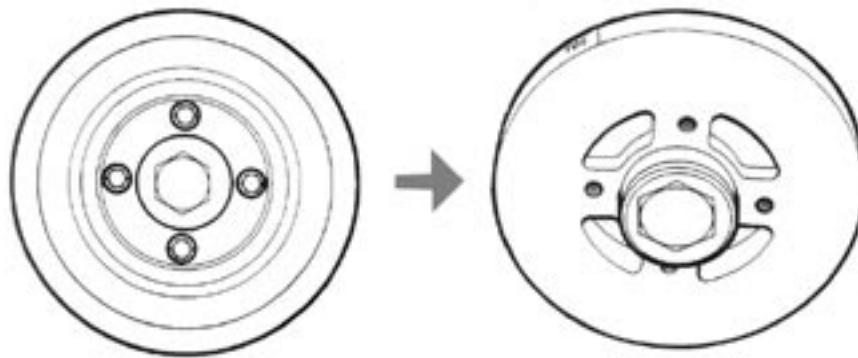
## Removal of Land Rover 200 TDi Crankshaft Pulley Retaining Bolt

### Items required

- 1 x Puller Body
- 4 x M8 High Tensile Steel Bolts
- Optional - Scrap plywood sheet or wooden block

### Instructions

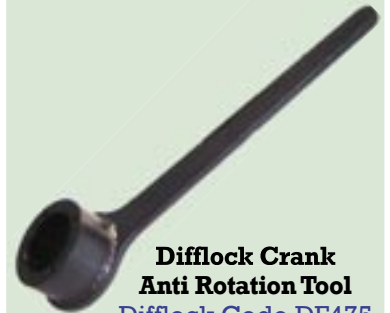
1. Remove the four M8 bolts that hold the outer pulley assembly to the central Crankshaft damper and remove the pulley assembly.



2. Assemble the four M8 High Tensile Steel Bolts to the Anti Rotation Tool Body.
3. Fit the anti Rotation Tool Body to the central Crankshaft damper using the four M8 High Tensile Steel Bolts.
4. Tighten the four M8 High Tensile Steel Bolts to a Torque of 40Nm
5. Fit a 30mm Metric socket and long breaker bar (we recommend you only use a 3/4" drive Impact Socket and bar due to the very high Torques involved).
6. Turn the crankshaft until the Anti Rotation Tool rests against the chassis rail. Note that the 30mm bolt is undone in an anticlockwise direction.
7. Place a scrap piece of wood or plywood between the anti rotation tool and the chassis rail to avoid marking the chassis rail.
8. Apply suitable force to the breaker bar to undo the bolt. We recommend you wear goggles and gloves in case your 30mm socket is damaged under high load.
9. Replacement is the reverse of removal.

**WARNING: THIS TOOL REQUIRES LARGE FORCES - WEAR SUITABLE EYE PROTECTION AND GLOVES AT ALL TIMES**

### Items Required



Difflock Crank Anti Rotation Tool  
[Difflock Code DF475](#)

### OPTIONAL ITEMS



Difflock Diesel Timing Kit  
[Difflock Code D273](#)



Difflock 3/4" Drive 'L' Handle  
[Difflock Code D424](#)

Difflock 27mm Impact Socket  
[Difflock Code D146](#)

Difflock 30mm Impact Socket  
[Difflock Code D443](#)



Finite Synthetic Nitrile Gloves  
[Difflock Code DF40](#)



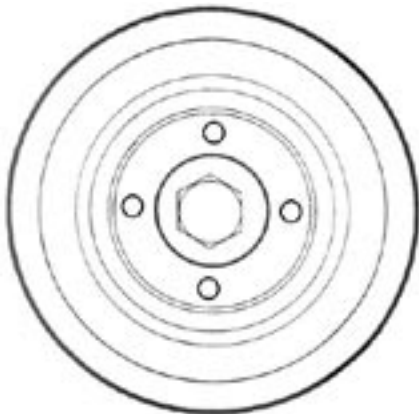
## Removal of Land Rover 300 TDi Crankshaft Pulley Retaining Bolt

### Items required

- 1 x Puller Body
- 4 x M8 High Tensile Steel Bolts
- Optional - Scrap plywood sheet or wooden block

### Instructions

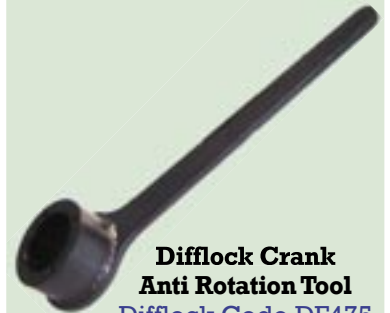
1. Assemble the four M8 High Tensile Steel Bolts to the Anti Rotation Tool Body.
2. Fit the anti Rotation Tool Body to the central Crankshaft damper using the four M8 High Tensile Steel Bolts.



3. Tighten the four M8 High Tensile Steel Bolts to a Torque of 40Nm
4. Fit a 27mm Metric socket and long breaker bar (we recommend you only use a 3/4" drive Impact Socket and bar due to the very high Torques involved)
5. Turn the crankshaft until the Anti Rotation Tool rests against the chassis rail. Note that the 27mm bolt is undone in an anticlockwise direction.
6. Place a scrap piece of wood or plywood between the anti rotation tool and the chassis rail to avoid marking the chassis rail.
7. Apply suitable force to the breaker bar to undo the bolt. We recommend you wear goggles and gloves in case your 27mm socket is damaged under high load.
8. Replacement is the reverse of removal.

**WARNING: THIS TOOL REQUIRES LARGE FORCES - WEAR SUITABLE EYE PROTECTION AND GLOVES AT ALL TIMES**

### Items Required



Difflock Crank Anti Rotation Tool  
[Difflock Code DF475](#)

### OPTIONAL ITEMS



Difflock Diesel Timing Kit  
[Difflock Code D273](#)



Difflock 3/4" Drive 'L' Handle  
[Difflock Code D424](#)

Difflock 27mm Impact Socket  
[Difflock Code D146](#)

Difflock 30mm Impact Socket  
[Difflock Code D443](#)



Finite Synthetic Nitrile Gloves  
[Difflock Code DF40](#)