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2020.0 DEFENDER (LE), 303-01C

ENGINE – INGENIUM I6 3.0L PETROL

CRANKSHAFT PULLEY (G2344457)

REMOVAL AND INSTALLATION

12.21.01	PULLEY – CRANKSHAFT – RENEW	2000 CC, INGENIUM DIESEL	1.50	USED WITHINS	
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SPECIAL TOOL(S)



PART(S)

STEP	PART NAME	QUANTITY
Installation Step 2	Crankshaft pulley bolts	4

REMOVAL

NOTE:

- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

1. Disconnect the startup battery ground cable.

Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).

2. Raise and support the vehicle on a suitable 2 post lift.

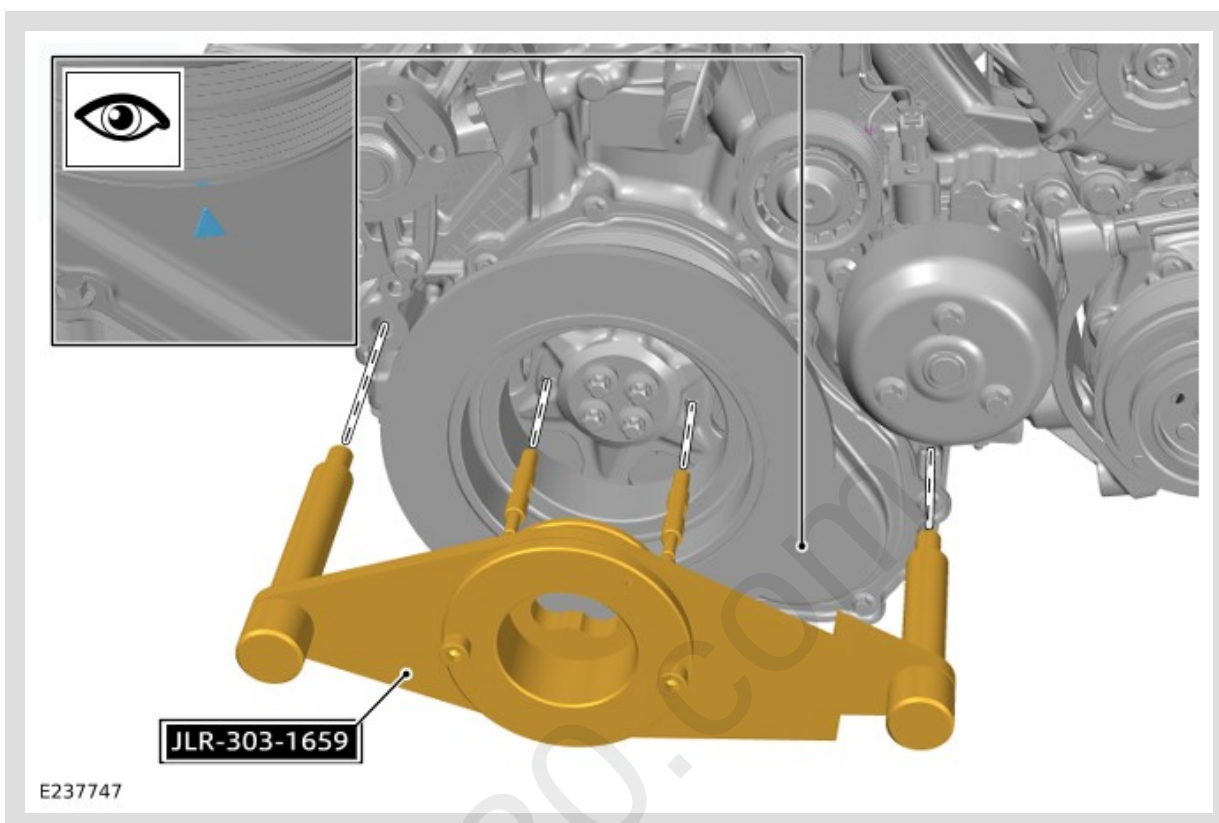
Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).

3. Remove the accessory drive belt.

Refer to: [Accessory Drive Belt](#) (303-05C Accessory Drive - INGENIUM I6 3.0L Petrol, Removal and Installation).

ⓘ CAUTIONS:

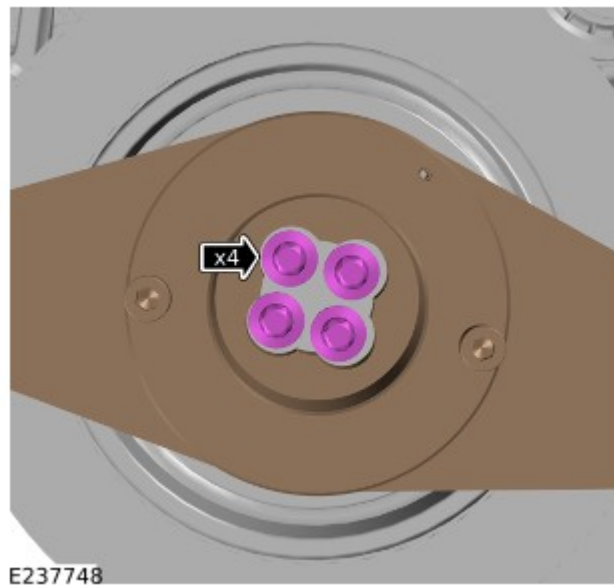
- Make sure that the special tool is correctly located.
- Only rotate the crankshaft in a clockwise direction.



- Make sure the marks on the crankshaft pulley and engine front cover are aligned.
- Install the special tool onto the crankshaft pulley.

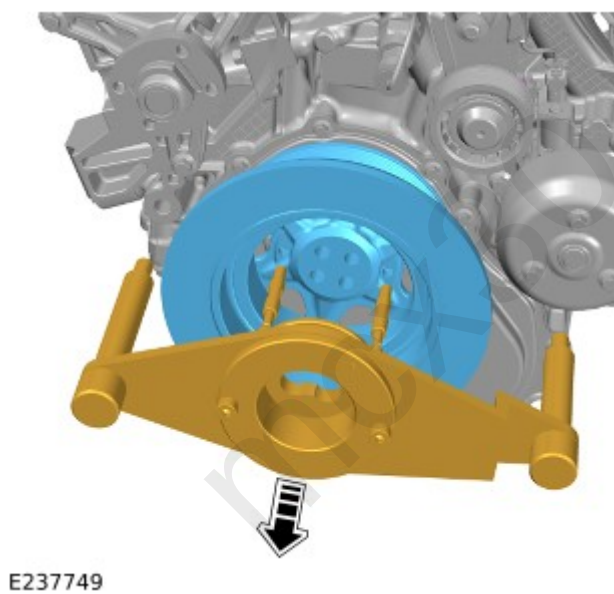
Special Tool(s): [JLR-303-1659](#)

5.



Remove and discard the 4 crankshaft pulley bolts.

6.

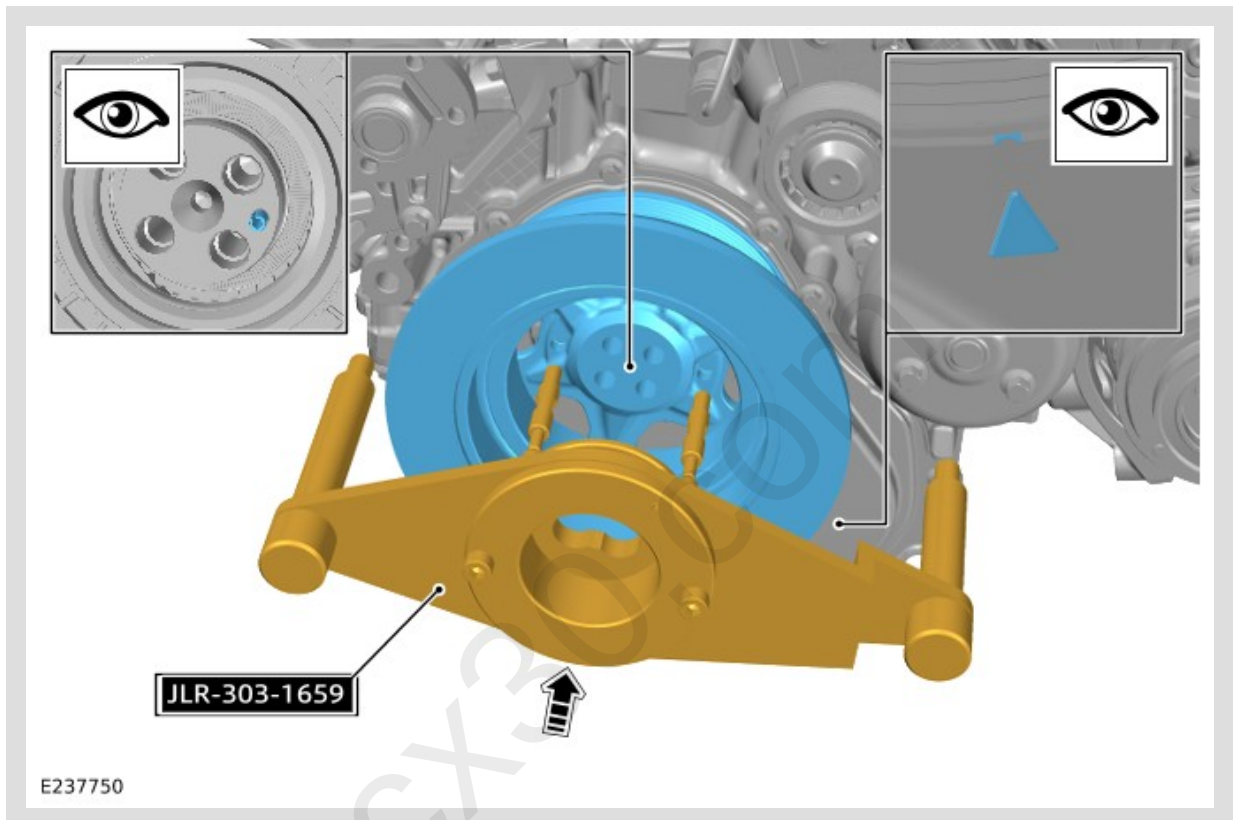


- Remove the special tool.
Special Tool(s): [JLR-303-1659](#)
- Remove the crankshaft pulley.

1.

⚠ CAUTIONS:

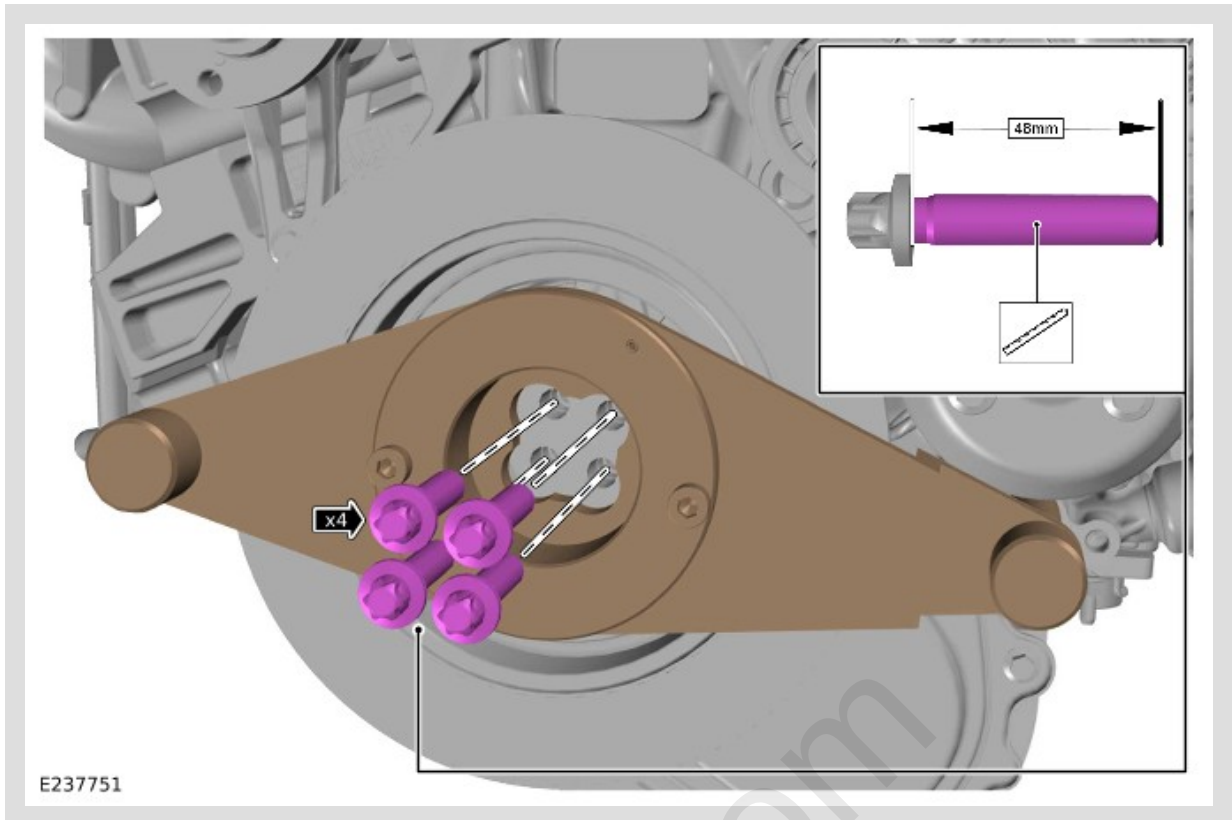
- Only rotate the crankshaft in a clockwise direction.
- Make sure that the component is correctly located on the dowel.



- Install the crankshaft pulley.
- Make sure the marks on the crankshaft pulley and engine front cover are aligned.
- Install the special tool.

Special Tool(s): [JLR-303-1659](#)

2.



- Before installing the new crankshaft pulley bolts check the lengths of the threads as shown in the illustration.
- The new bolts must be 48mm in length.
- Install and tighten the 4 new crankshaft pulley bolts in a diagonal sequence.

Renew Part: [Crankshaft pulley bolts](#) *Quantity:* 4.

Torque

Stage1: **37Nm**

Stage2: **90°**

3. Remove the special tool.

Special Tool(s): [JLR-303-1659](#)

4. Install the accessory drive belt.

Refer to: [Accessory Drive Belt](#) (303-05C Accessory Drive - INGENIUM I6 3.0L Petrol, Removal and Installation).

5. Connect the startup battery ground cable.

Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).