

DEALER BULLETIN

SLR/011/00

17 MAY 2000

TO: ALL LAND ROVER DEALERS

For the attention of the Service Manager

TECHNICAL BULLETINS

Please find attached:

<u>REF. NUMBER</u>	<u>SUBJECT</u>	<u>ISSUE</u>
Engine 0021	Clarification of connecting rod bolt torque specification	1
Clutch 0004	Difficult gear engagement - clutch pedal	1
Heating / A. Con. 0013	Poor front screen demist performance - demist duct	1

Also new index sheets for the above sections.








Would you please arrange for the above bulletins to be circulated or distributed to the following areas:

CIRCULATION - Select as appropriate [X]			
Dealer Principal		Service Reception	X
Service Manager	X	Workshop	X
Sales Manager			
Parts Manager	X		
Warranty Admin.	X		

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Range Rover, Discovery, Defender, and All V8 Derivatives	COOLANT OR AIR LEAKAGE FROM THE INLET MANIFOLD GASKET	004	1
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TECHNICAL BULLETIN



MODEL/DERIVATIVE:
**Discovery Series II
Defender**

Bulletin N°: **0021**
CDS. ref: **L8604bu**
Issue: **1**
Date: **17.05.2000**

AFFECTED RANGE:
All Td5 Diesel Derivatives

PROBLEM:
CLARIFICATION OF CONNECTING ROD BOLT TORQUE SPECIFICATION

CAUSE:
Published Workshop Manual information incomplete.

ACTION:
Use the following information to amend all relevant workshop literature to ensure that the correct connecting rod bolt tightening procedure is used.

- The *correct* information is as stated in the Discovery Series II Workshop Manual Engine Section - Td5 - OVERHAUL - repair number [12.17.16/01](#) and reproduced below:

“Lightly oil threads of new connecting rod end cap bolts and tighten to 20 Nm (15 lbf.ft), then a further 80° (degrees).”

- The information given in Discovery Series II Workshop Manual Torque Wrench Settings - Engine Td5 - is incomplete and requires amending as follows:

“[Connecting rod bolts 20 Nm \(15 lbf.ft\)](#)”. Add: “*Final torque - turn through 80° (degrees).*”

The Discovery Series II Workshop Manual will be amended at the next opportunity.


- No overhaul information is currently available for Defender Td5, this will be published shortly. Pending availability of the Defender information, refer to the Discovery II Workshop Manual for overhaul details.

PARTS INFORMATION:
Not applicable

WARRANTY CLAIMS:
Not applicable, issued for information purposes only.



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TECHNICAL BULLETIN



MODEL/DERIVATIVE:
Freelander

Bulletin N°: 0004
CDS. ref: L8585bu
Issue: 1
Date: 17.05.2000

AFFECTED RANGE:

Right hand drive vehicles only, in VIN ranges: WA 600000 to YA 699999
YA 500000 to YA 530000

PROBLEM:

DIFFICULT GEAR ENGAGEMENT - CLUTCH PEDAL

The customer complains of difficulty in engaging gears, particularly when the vehicle is stationary, e.g. at traffic lights.

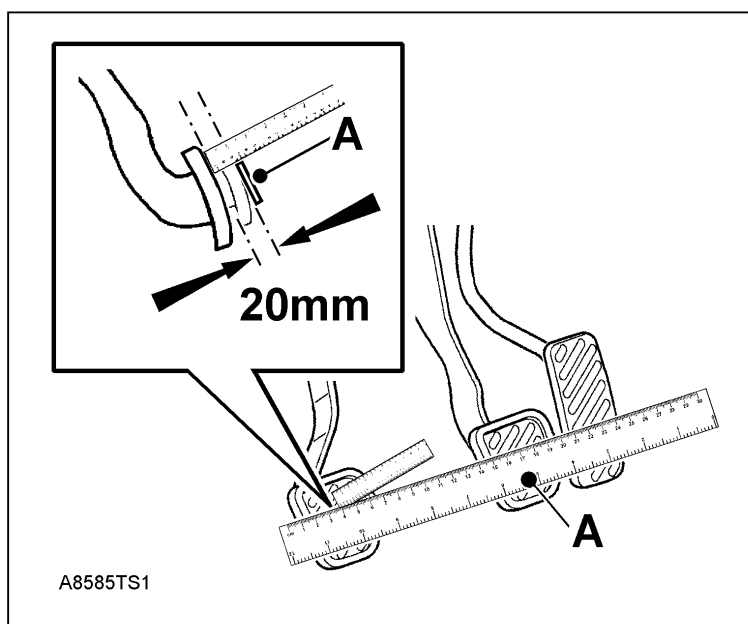
CAUSE:

Insufficient travel in the clutch release mechanism to permit full disengagement of the clutch.

ACTION:

Where the customer complaint is confirmed, carry out the following checks to determine the appropriate corrective action. *Do not condemn the gearbox for this condition without confirmation that all aspects of clutch operation are satisfactory, as detailed below.*

- Inspect the clutch hydraulic system for evidence of leakage. Pay particular attention to the rear of the master cylinder from inside the vehicle. If any leakage is identified, rectify as appropriate.
- If no leaks are evident, measure the clutch pedal height using the following procedure to confirm that sufficient pedal travel is available to ensure full disengagement.



1. Place a rule or similar straight edge on the centre of the brake pedal pad, ('A' in illustration). Ensure that the rule extends across the clutch pedal pad as shown.

2. With a second rule positioned at right angles to the clutch pedal pad, measure the distance from the underside of the first rule to the surface of the clutch pedal pad. The maximum acceptable distance is 20mm, (see inset in illustration).
 3. If the measurement exceeds 20mm, fit new clutch pedal assembly part number SUB100240.
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PARTS INFORMATION:

SUB100240 Pedal assembly - clutch

WARRANTY CLAIMS:

Use Complaint Code: 3B6P

Use S.R.O.: 33.30.02

Time allowance: All derivatives 1.90Hrs

Should it be necessary to carry out any repairs to the clutch hydraulic system, claim in the usual way, referring to the Repair Operation Times Manual for the relevant SRO details.

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Freelander	POOR FRONT SCREEN DEMIST PERFORMANCE - DEMIST DUCT	013	1

TECHNICAL BULLETIN



MODEL/DERIVATIVE:
Freelander

Bulletin N°: 0013
CDS. ref: L8591bu
Issue: 1
Date: 17.05.2000

AFFECTED RANGE:

All vehicles in VIN ranges: WA 600000 to YA 699999
YA 500000 to YA 506000

PROBLEM:

POOR FRONT SCREEN DEMIST PERFORMANCE - DEMIST DUCT



The customer complains that the heater does not effectively demist the front screen and may also report that there is a lack of airflow from the demist vents onto the screen.

CAUSE:

Either or both heater to front screen demist ducts adrift from heater.

ACTION:

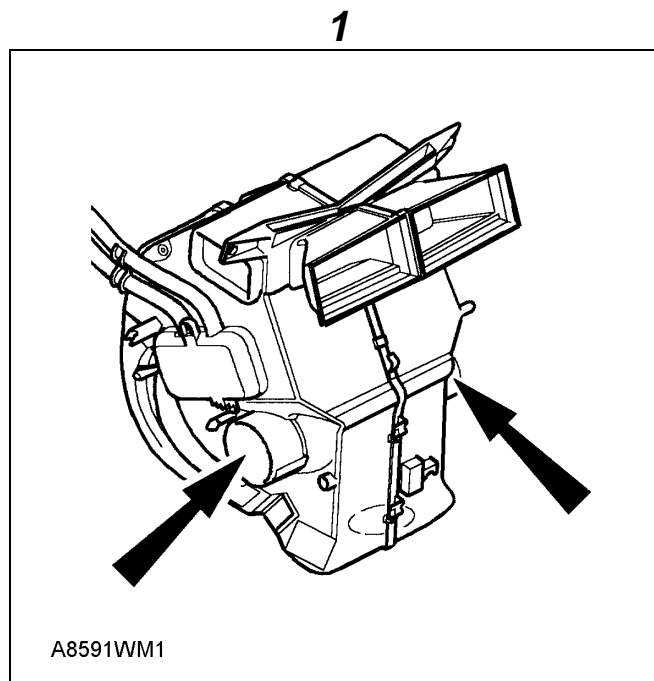
On customer complaint of poor front screen demisting, check the attachment points of the demist ducts to the heater as described below.

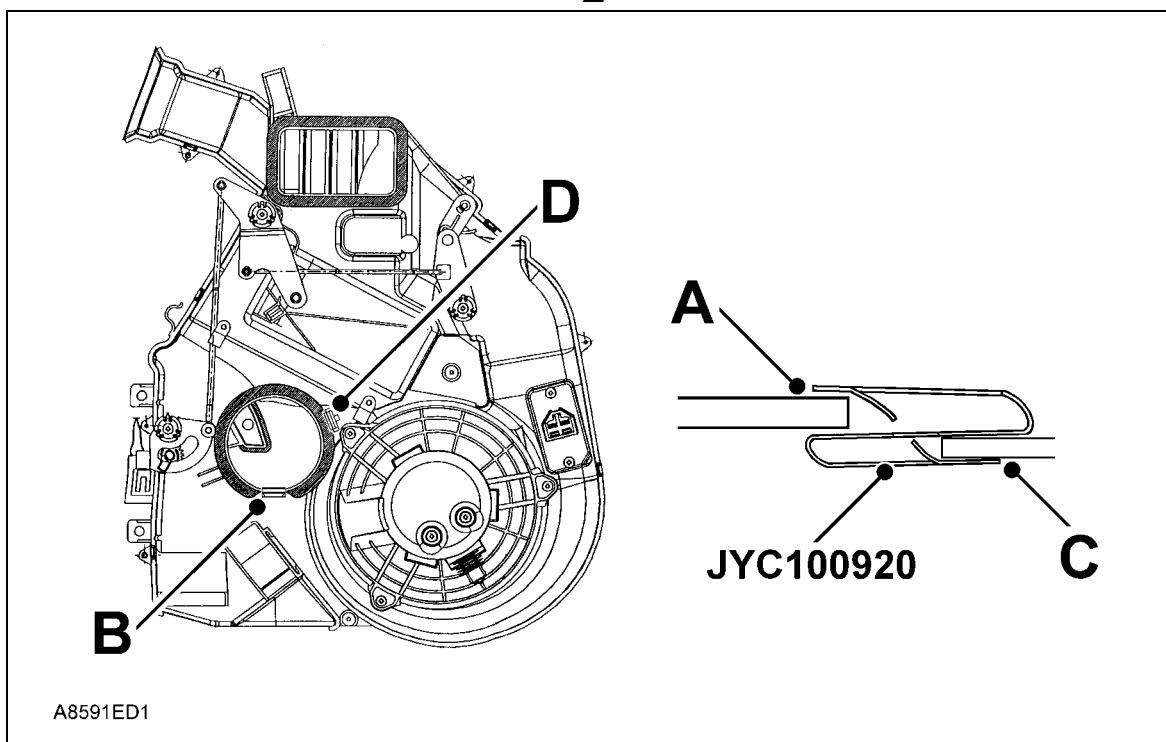
NOTE: If the complaint is of general misting in the cabin area, refer to earlier [Technical Bulletins](#)  0003 and  0005. Ensure also that the vehicle is checked for any evidence of water entry into footwells etc.

1. From the footwell area, examine the point where the left hand and right hand demist ducts attach to each side of the heater, (arrowed in illustration 1). If either or both are adrift from the heater, use the following procedure to ensure security of the duct when refitted.



Ensure that the ducts are not pulled downwards at any time during the repair procedure as this may result in the ducts being released from the seals in the facia rail. Should this happen it will be necessary to remove the facia to achieve correct reinstallation of the ducts.





2. Working from the footwell area, carefully move the duct away from the heater to enable additional latching clip JYC100920 to be positioned.
3. Identify the wider opening of clip JYC100920, ('A' in illustration 2). Fit the wider opening of the clip to the heater demist outlet at the 6 o'clock position, ('B' in illustration 2), so that the narrower opening of the clip is outside the circumference of the outlet in readiness to receive the demist duct, ('C' in illustration 2).
4. Push the clip fully home over the foam gasket on the demist outlet.
5. Reconnect the duct to the demist outlet ensuring that the duct locates fully into the narrower opening of JYC100920 and that the integral latching clip on the heater casing, ('D' in illustration 2) is outside the duct and latched to it.
6. Confirm that the duct is now clipped securely to the heater demist outlet.
7. If necessary, repeat for the opposite side.

PARTS INFORMATION:

JYC100920 Edge clip - 2 per vehicle

WARRANTY CLAIMS:

Use Complaint Code: 8N1B

Use SRO: 80.20.89/28

Time allowance 0.10Hrs (Time is sufficient to refit both demist ducts to heater outlets).