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Discovery 2 Chat specifically relating to Discovery 2

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8th April 2011, 10:02 PM # 1 (permlink)

	Join Date: Mar 2010 Location: Patagonia Posts: 120 Thanks: 87 Thanked 234 Times in 54 Posts
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Disco 2 chirpy blower motor fix

Well a new battle has been won in the war against annoying noises in the Disco 2...

Every time I use the heater for more than 15-20 minutes the blower motor (underneath the glove box) would start making a high pitch chirping sound, intermittent at first but irritatingly continuous in the end.

Cross-forum research confirmed the blower motor as primary suspect, but no sure fix other than replacing it was stated.

Here's what was done (on LHD vehicle, RHD roughly the same but symmetrically opposed):

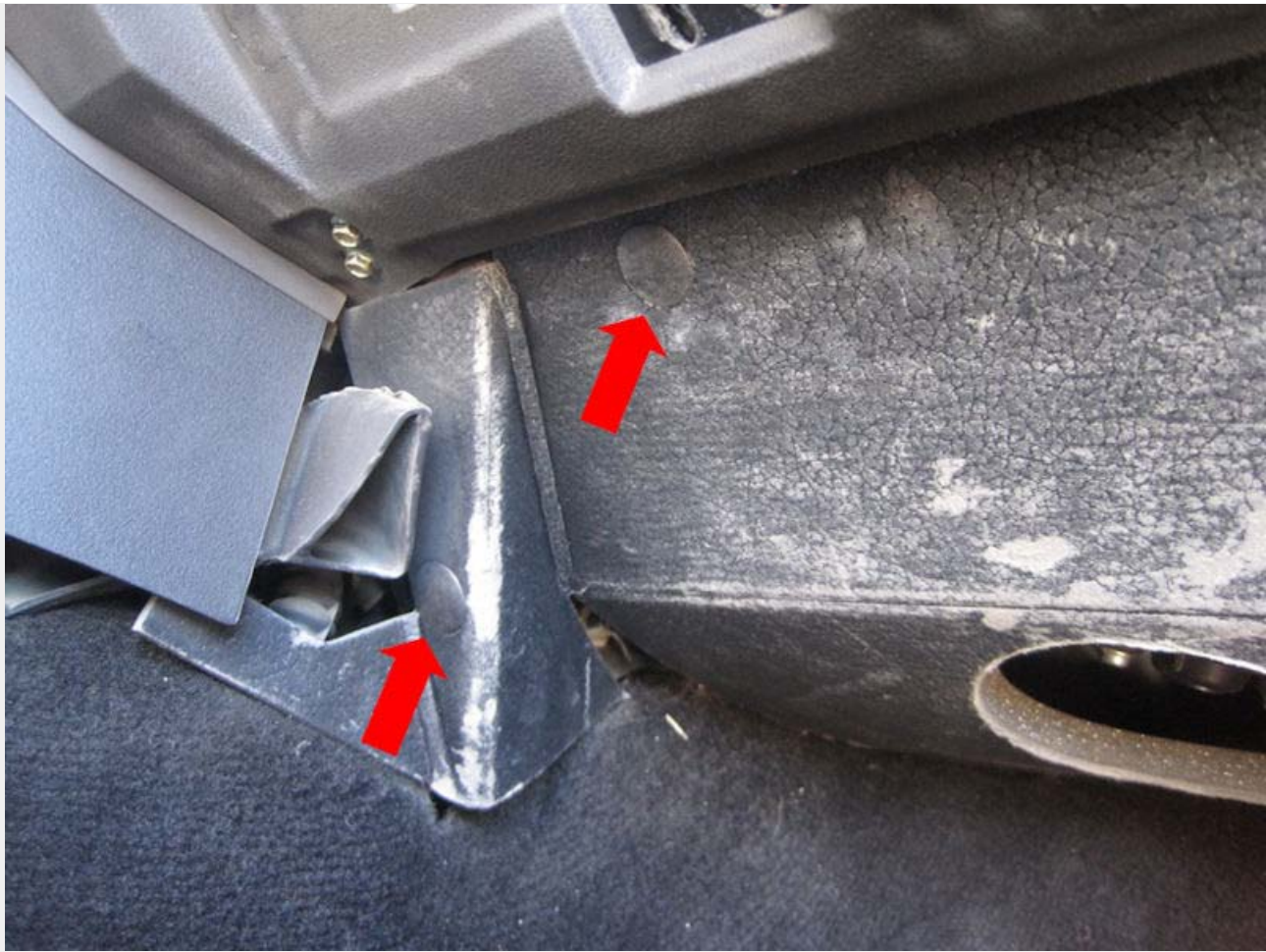
1- Remove glove box: unscrew (4) 7mm hex screws (2 per hinge). Recommend to mark position of screws on each hinge to facilitate alignment during reinstallation.

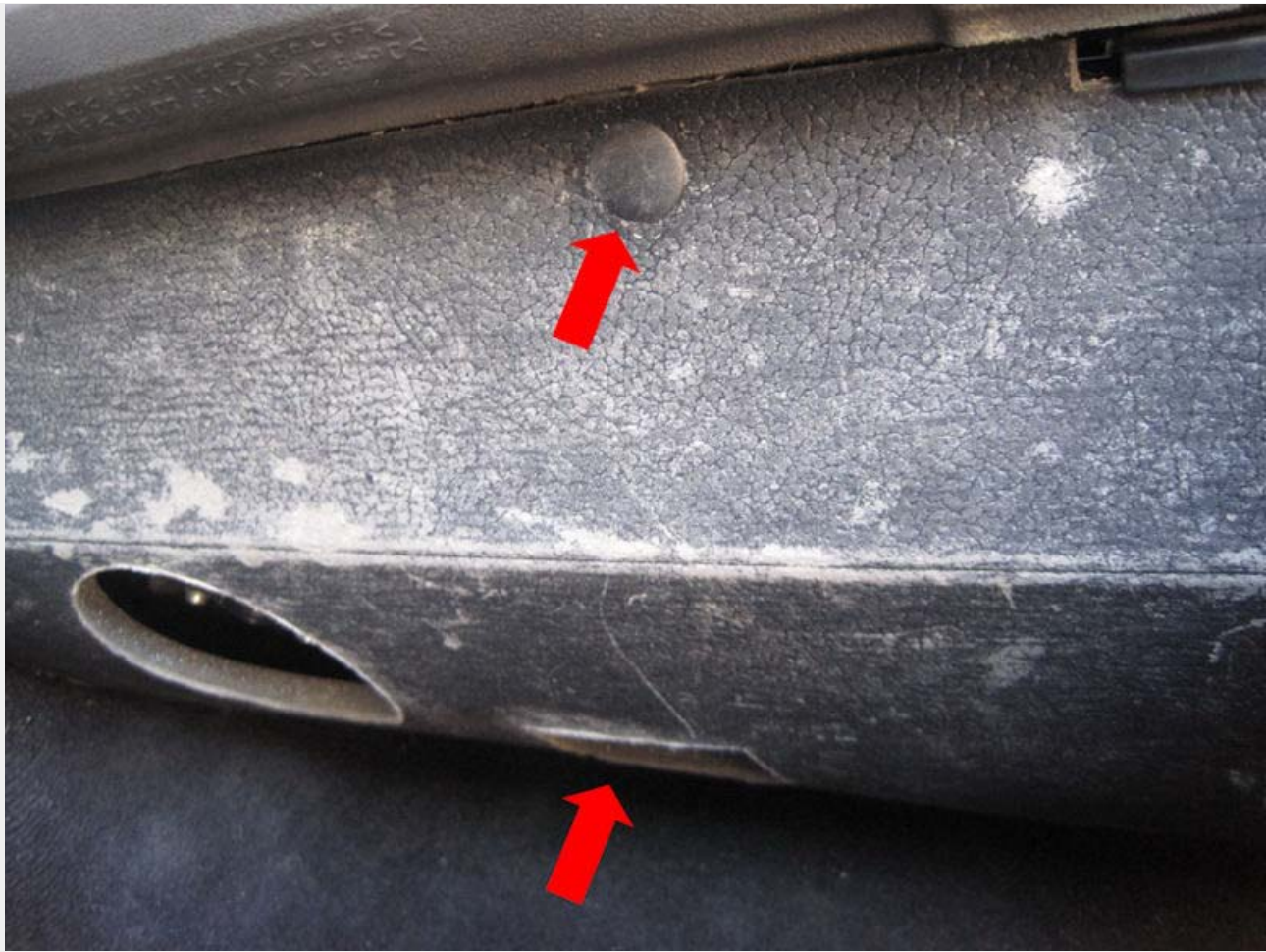






2- Remove bottom cover by pulling out 4 clips:





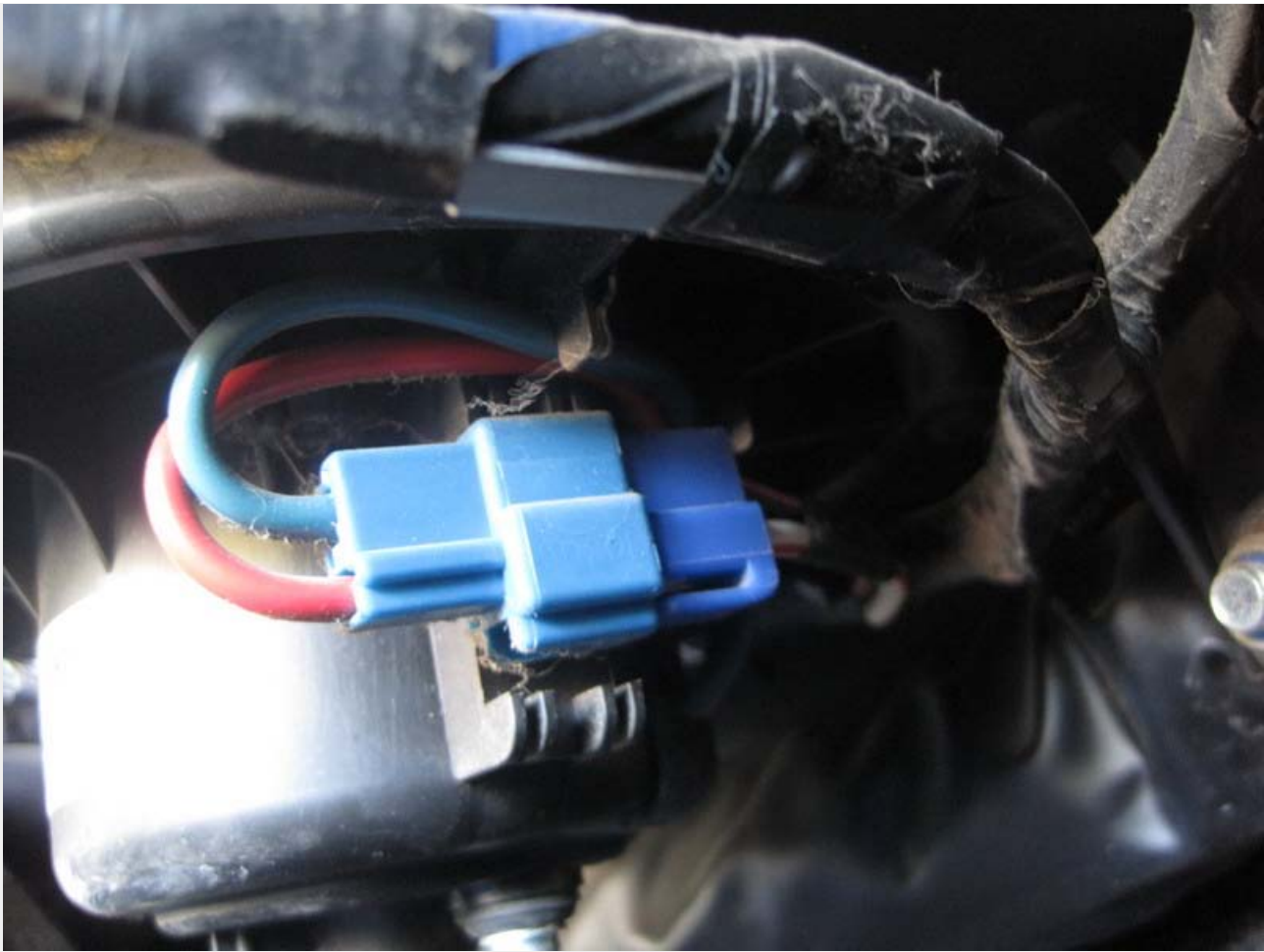


Blower on sight:



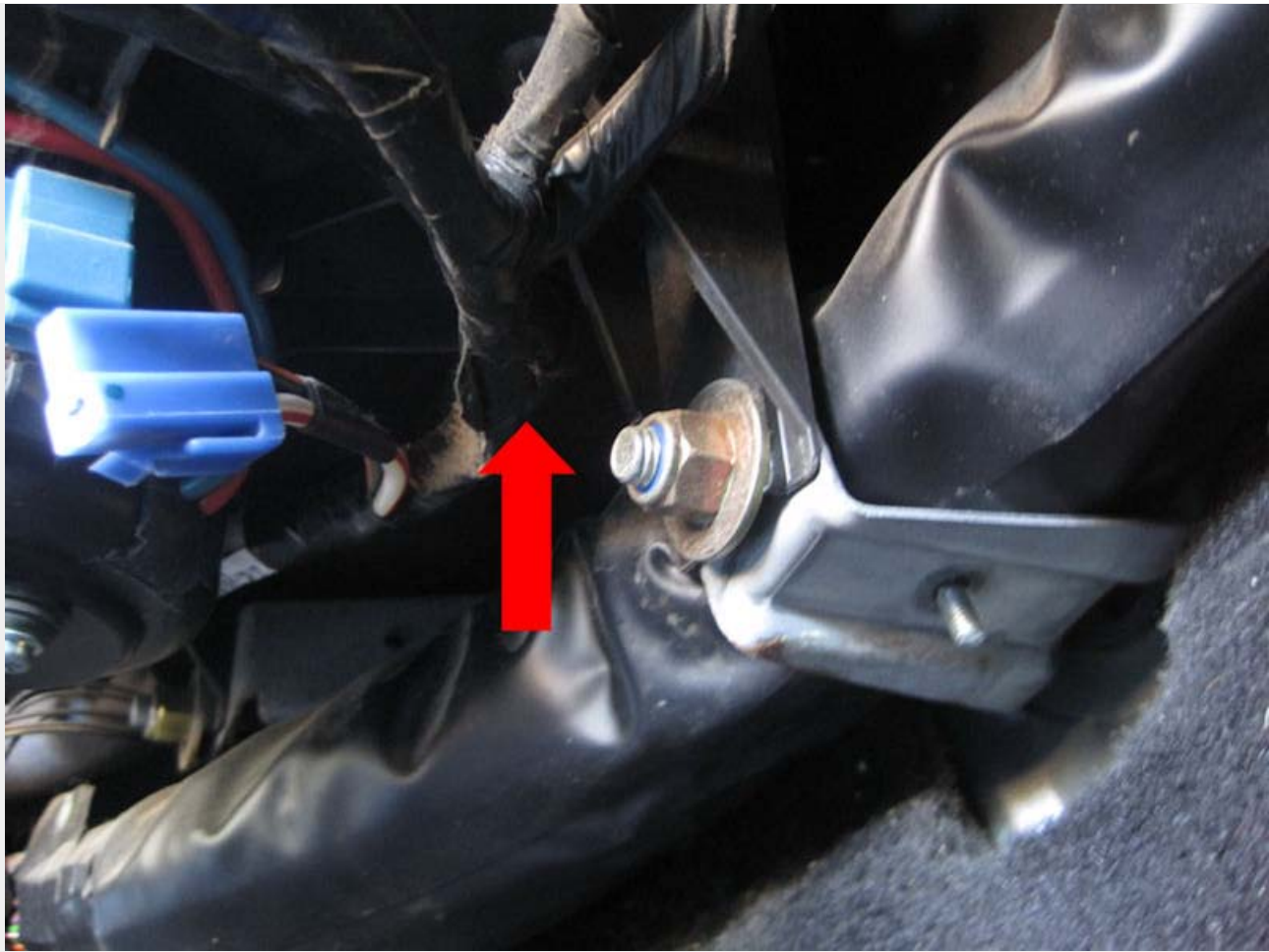
3- Disconnect blue plug from blower motor (male plug comes free towards back side):





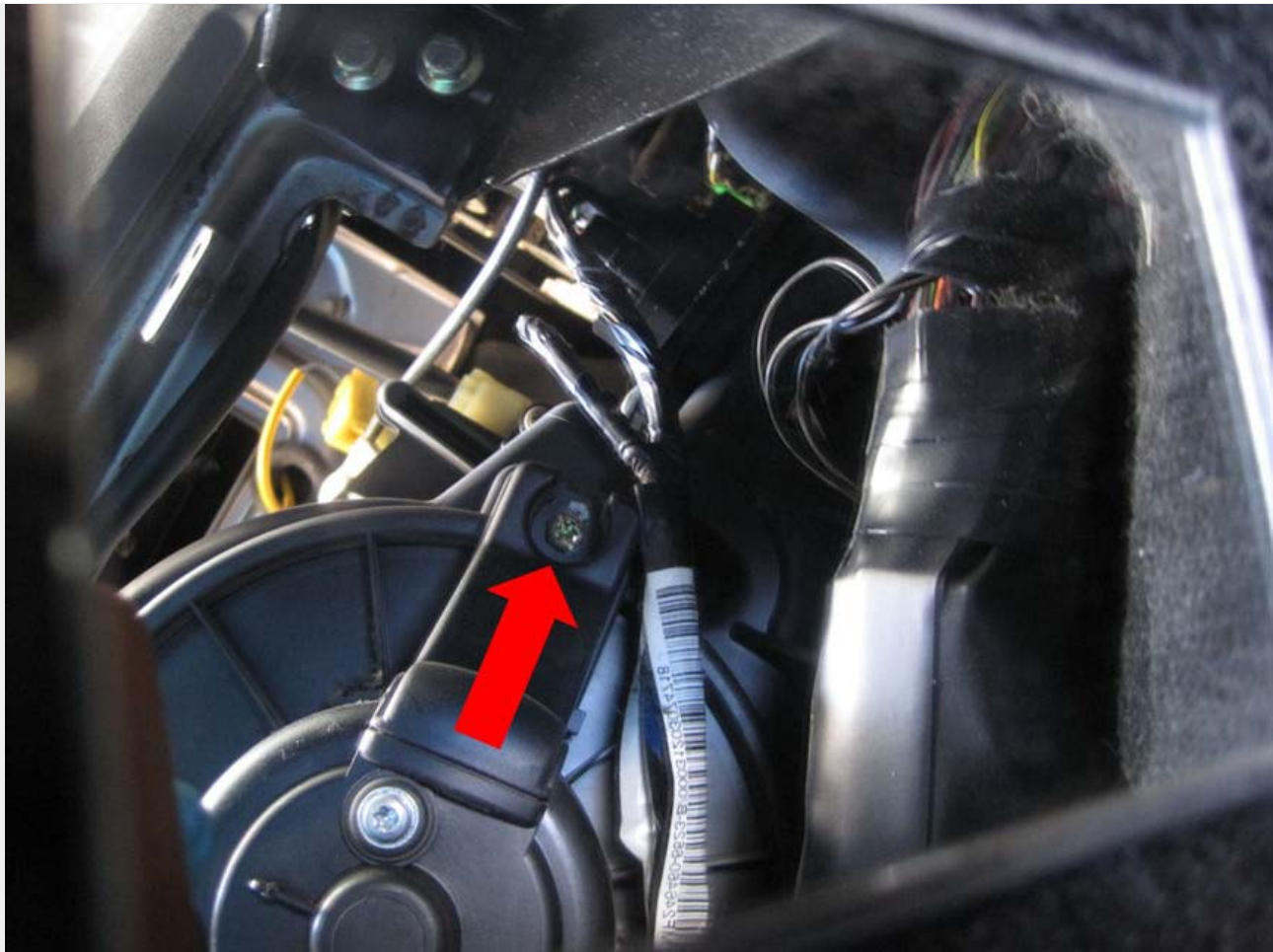


4- Blower motor is secured to blower assembly by (3) T27 torx screws located as shown:











Remove the shown screws. Easier to start with the back one (toughest to reach) and leave front one as last, so that motor stays in place.

6- Carefully manoeuvre blower motor out – some tight cables to negotiate through but perfectly doable...



Note how the blower motor “cools” itself by taking air from the front of the casing and ducting it to the back, this design causes potentially dusty air to be blown through the motor bearings.



7- Prepare to release the "air wheel" by taking the clip out and slightly prying off the plastic tip out of the axle's groove.

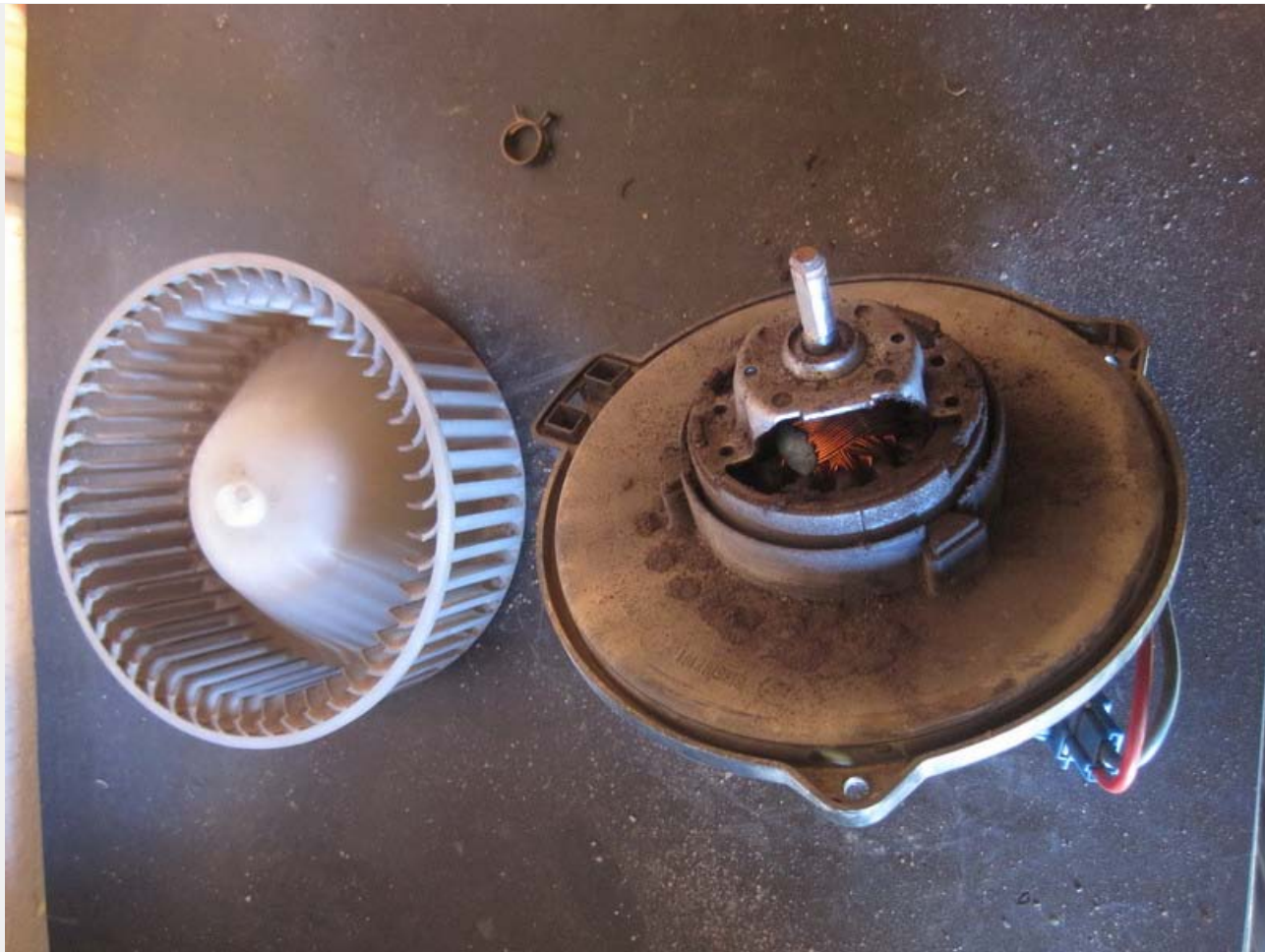




8- Then hold the wheel and pull the motor out (I suspended the wheel and carefully hammered down the axle). Give the wheel a good clean (sink, water, liquid soap & brush...).



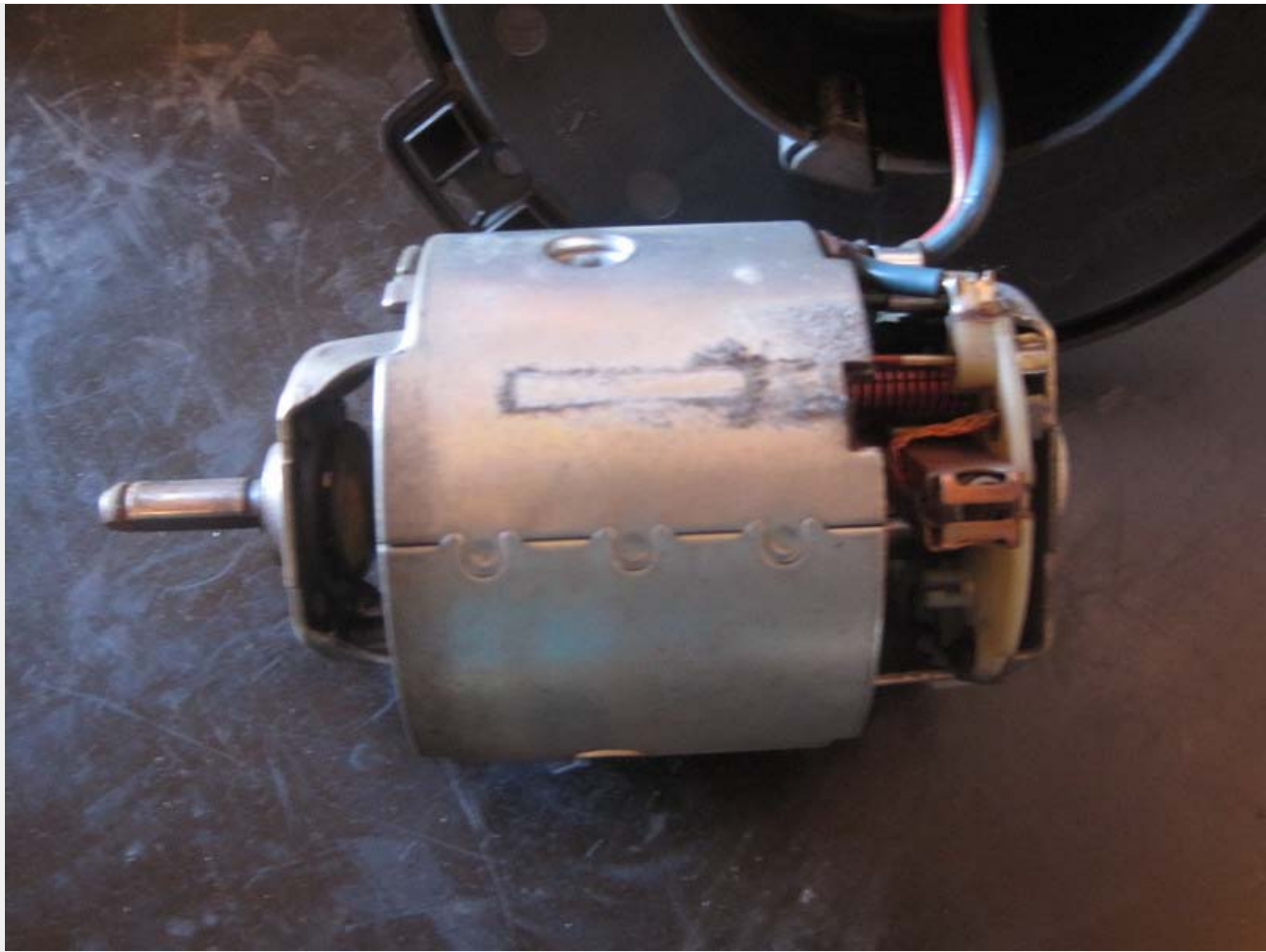
Note the amount of cr@p behind the wheel coming from within the motor:



9- Release the blue plug and pull the rubber cover around the area where the cables enter the motor casing, undo the (2) T15 torx screws and free the motor:



Pull the motor out of the casing:



Motor details:



10- As seen the bearings are not serviceable.





So what I did was:

- a- Cleaned the motor thoroughly with high pressure air
- b- Held the motor in vertical position, flooded the upper bearing with [dry Teflon bicycle chain lube](#) and let it stand for a few hours to allow it to gradually percolate (lube would not penetrate instantaneously), then turned upside down and did the opposite bearing
- c- Air blew rotor extensively as to remove any lube excess
- d- Reassembled motor & reinstalled in place (reverse work of what has been described).

And apparently it worked since so far the bird hasn't been back (fingers crossed)...

Tools needed: 1/4" or 3/8" ratchet, wobble or flex extension assortment, 7 mm drive socket, T27 torx drive, T15 torx drive, mirror, lighting, optional vacuum cleaner, etc.



The Following 7 Users Say Thank You to mturri For This Useful Post:

[Cannon](#) (3rd June 2011), [dinosaur](#) (9th April 2011), [Fluids](#) (9th April 2011), [greg_smith](#) (9th April 2011), [Solly](#) (20th July 2011), [Stuuu](#) (10th April 2011), [Zute](#) (8th April 2011)

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8th April 2011, 10:17 PM

2 (permalink)



Defender Mike 
Master Vendor

Join Date: Jul 2010
Location: Perth
Posts: 394
Thanks: 30
Thanked 88 Times in 59 Posts

Excellent work

You could get a job as a technical writer even I could follow those instructions. 😊



9th April 2011, 10:10 PM

3 (permalink)



Fluids
ChatterBox
Subscriber

Join Date: Mar 2009
Location: Port Stephens N.S.W
Posts: 2,265
Thanks: 1,483
Thanked 814 Times in 546 Posts

To the Good Oil I say !

Well done. Thanks!

Kev..

D2a 02/04 Td5 Auto Classic Country Vienna Green
7 Seat SLS Rear A/C Factory DVD
ARB Dual Battery ARB 47L Fridge
EGR'd-Silicone Hosed-Wastegated to 20psi
EngineSaver ProVent-200 Cooper S/T 255/70*16
Foxwing-Rhino HD Bars-Logic Gear XL488 GPS+OziCE



10th April 2011, 07:34 AM

4 (permalink)



Stuuu
ChatterBox
Silver Subscriber

Join Date: Jun 2008
Location: Mcminns Lagoon
Posts: 2,435
Thanks: 791
Thanked 584 Times in 508 Posts

Quote:

Originally Posted by **Disco mike**
You could get a job as a technical writer even I could follow those instructions. 😊

Yep great write up thanks.

Cheers, Dale

PIC - It comes with the Territory

Adventure 'Cape York' Camper towed by
STUUU - a 2000 D2 Td5 Manual - plus!

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(who replaced **D.FENDA** 1997 Defender 110 - fully carpeted

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11th April 2011, 12:40 AM

5 (permalink)



iTd5 mturri
Master

Join Date: Mar 2010
Location: Patagonia
Posts: 120
Thanks: 87
Thanked 234 Times in 54 Posts

On the matter of pestering noises in the Disco 2, just posted on something I'd worked on before but did not post here.

<http://www.aulro.com/afvb/discovery-...ml#post1461206>



1st June 2011, 01:15 PM

6 (permalink)



OffTrack
ChatterBox
Subscriber

Join Date: Feb 2011
Location: Brunswick, Victoria
Posts: 2,884
Thanks: 770
Thanked 1,695 Times in 1,062 Posts

Hi Matt,

Thanks for the helpful instructions. My fan didn't squeak but sounded like a jumbo taking off on fan settings of 3 and above. I followed your instructions to drop the blower motor and found 3 chunks of filter foam wedged into the blades on one side of the fan. Removed and reassembled and now is remarkably quiet even at maximum. Now just need to replace the decayed foam under the windscreen.

The one thing I discovered was the torx screws on my RHD blower were T22 (screwdriver bit - snug fit) or T20 (1/4" drive - a little loose). T27 was way too big.

cheers
Paul



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