

If this is your first visit, be sure to check out the [FAQ](#) by clicking the link above. You may have to [register](#) before you can post: click the register link above to proceed. To start viewing messages, select the forum that you want to visit from the selection below.

+ Reply to Thread

Results 1 to 2 of 2

Thread: [DIY: MKV Headlight Level Sensor Linkage Fix](#)

Demetron

n00b

Join Date: May 4th, 2013

Posts: 2

Vehicles: 2007 Jetta GLI

DIY: MKV Headlight Level Sensor Linkage Fix

Today 08:52 AM

Reply

#1

Hi Everyone,

I picked up a MKV GLI a few weeks ago and noticed that the front linkage for my auto level sensor was broken. I tried to search on how to replace this part but found out that it is only sold in a kit from Volkswagen for about \$180. That said, I decided to fabricate my own using off-the-shelf parts for less than \$20.

Materials required:

- 2x M6x1 Stainless Steel Shielded Right Hand Threaded Ball Joint Linkages from McMaster-Carr (\$7/each)
<http://www.mcmaster.com/#cadinlnord/6058k851/=n8c0ja>

- 48mm long M6x1 Steel Rod Right Hand Thread

- 3x M6x1 Nylock Hex Nuts

- 2x M6x1 Hex/Jam nuts

- Loctite/strong glue

Tools Required:

- Angle Grinder

Procedure:

1. Remove auto level sensor linkage as well as the bracket on the control arm.

2. Grind back side of ball stud on the removed bracket until the stud falls off (you will see a "plus sign" rivet end; grind this down to the bracket surface and remove the ball stud/rivet - it should just fall out)

3. Assemble new linkage. Screw two M6 hex/jam nuts to the middle of the M6 rod. Screw a linkage on bolt sides of the rod until they bottom out. Back both linkages off equally until the correct length (3") is obtained. Lock the linkages in place with the hex nuts. Apply loctite or strong glue to the hex nuts after tightening to ensure they will not come loose.

Old linkage on the right

New linkage on the left



Uploaded with ImageShack.us

The completed rework assembly



Uploaded with ImageShack.us

4. Install new parts back onto car and apply some grease to the shielded seal interface to ensure debris does not seize the ball joints.



Uploaded with [ImageShack.us](#)

Hope this helps!

Demetron

Last edited by Demetron; Today at 08:55 AM. Reason: Spelling

[Reply With Quote](#)

35i 2000 

Member



Join Date: Jan 27th, 2005
Posts: 10,452

Today 09:03 AM

[Reply](#)

#2

great write up

thanks for the info, i feel like my HID's are all over the place will check if I have the same failure tonight

[Reply With Quote](#)

[+ Reply to Thread](#)

Quick Navigation

[Golf V & Jetta V](#)

[Top](#)

[« Previous Thread](#) | [Next Thread »](#)

Posting Permissions

You may not post new threads
You may not post replies
You may not post attachments
You may not edit your posts

BB code is On
Smilies are On
[IMG] code is On
HTML code is On

[Forum Rules](#)

-- English (US)

Contact Us Archive Privacy Statement Terms of Service Top

All times are GMT -4. The time now is 01:16 PM.

Powered by [vBulletin™](#) Version 4.0.3
Copyright © 2013 vBulletin Solutions, Inc. All rights reserved.

Digital Point modules: [Sphinx-based search](#)