

DD15 GHG14 EGR linkage hex nuts



Brian Peter 91 posts since Nov 11, 2015

DD15 GHG14 EGR linkage hex nuts May 20, 2016 1:48 PM

We have come across this a few times and figured something had changed but it was never published. In PSL it states you must use a 12mm hex nut for securing the pull rod.

14.3 Installation of the GHG14 DD15 AT Exhaust Gas Recirculation Valve Actuator Pull Rod

Install as follows:

NOTE: The end of the pull rod with the "V" attaches to the Exhaust Gas Recirculation (EGR) valve lever. The "V" is located on the top of the pull rod (Former) or on the front facing towards the rear of the engine (Current).

Show/Hide Checkboxes

- Install the EGR actuator valve pull rod on the EGR valve lever with the spacer between the pull rod and the lever.
- Install the EGR pull rod onto the EGR valve actuator lever.

NOTICE:

Ensure the nut used to attach the pull rod to the levers has a 12mm hexagon pattern. A larger 13mm hexagon pattern nut will cause damage to the pull rod bearing.

NOTICE:

The EGR valve actuator shaft must be held still using a wrench when removing or installing the actuator lever or pull rod clamping nuts to avoid damage to the EGR valve actuator internal end stops.

Looking up serial #472906S0182686 in E-parts it calls for the nut part #A0029903950. This has a 13mm hex on it. All 3 nuts used in the linkage are the same part number.

Serial# S0182686 | Model 472.906

1 4 5 6

14 090 00147

Optional with: A4721401146
SA: 53707016

<input type="checkbox"/>	710	A4721401146	[001]	TOWBAR
AT ACTUATOR MOTOR AND EXHAUST GAS RECIRCULATION VALVE				
Optional with: A4721400946				
Optional with: A4721401046				
SA: 53707016				
<input type="checkbox"/>	720	A0009909016	[001]	STUD BOLT
PULL ROD AT EXHAUST GAS RECIRCULATION VALVE				
SA: 53707016				
<input type="checkbox"/>	725	A0019927850	[001]	DISTANCE SLEEVE
PULL ROD AT EXHAUST GAS RECIRCULATION VALVE				
Optional with: A0069920801				
SA: 53707016				
<input type="checkbox"/>	725	A0069920801	[001]	DISTANCE SLEEVE
PULL ROD AT EXHAUST GAS RECIRCULATION VALVE				
Optional with: A0019927850				
SA: 53707016				
<input type="checkbox"/>	730	A0029903950	[001]	HEXAGON NUT W FLANGE
PULL ROD AT EXHAUST GAS RECIRCULATION VALVE				
SA: 53707016				
<input type="checkbox"/>	730	A0029903950	[001]	HEXAGON NUT W FLANGE
PULL ROD AT ACTUATOR MOTOR				
SA: 53707016				
<input type="checkbox"/>	730	A0029903950	[001]	HEXAGON NUT W FLANGE
LEVER TO ACTUATOR MOTOR				
SA: 53707016				
<input type="checkbox"/>	740	A4722000751	[001]	COOLANT LINE
FROM ACTUATOR MOTOR TO EXHAUST COOLER				
SA: 53707016				

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[I checked Paragon for a supersession chain but it has a note saying that A0029903950 is not available but the PDC's have 1400+ available...](#)

The screenshot displays the SAP 'Availability Pricing' window for material A0029903950 (HEX NUT). The 'National Availability' table shows the following data:

PDC	Availability	DC	Lead time	Due dates	C
FL02-MEMPHIS	155	08			
FL07-CHICAGO	249	09			
FL19-CANTON	25	08			
FL20-ATLANTA	53	08			
FL24-BRIDGEPORT	439	09			
FL26-DALLAS	97	09			
FL43-RENO	216	09			
FL52-CALGARY	197	09			
SUM	1,431				

The 'Item Notes' window on the right contains the following text:

PDC
This part is not available yet.
Please order:
DDE N913023008006
06-30-2009 mdh
DS
No additional sales text data

[Going one step farther and checking Paragon for the N913023008006 number, there are 7,600+ available. We do not have this nut in stock to compare the size of the hex nut. It also does not show it supersceding to the A0029903950.](#)

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Material NUT
Find P/N Order Type Ord Qty
Alliance

General information Availability Pricing

National Availability

PDC	Availability	DC	Lead time	Due dates	C
FL02-MEMPHIS	61	05			
FL07-CHICAGO	185	09			
FL19-CANTON	6,921	07			
FL20-ATLANTA	73	08			
FL24-BRIDGEPORT	155	09			
FL26-DALLAS	62	08			
FL43-RENO	164	08			
FL52-CALGARY	69	07			
SUM	7,690				

Substitution

Type	Material Nr.	C-Code	I.Type
Predecessor	<input type="text" value="DDE 913023008006"/>	<input type="text" value="C22"/>	<input type="text" value="A"/>
Successor	<input type="text"/>	<input type="text"/>	<input type="text"/>

[14 TS-18 makes no mention of the mounting hardware either. So my question is what is the right part number and does the hex nut size really matter?](#)



Scott Trippel 3,902 posts since Dec 13, 2014

Re: DD15 GHG14 EGR linkage hex nuts May 20, 2016 4:27 PM

You are asking this because the Installation of the pull rod, the manual makes this statement:

NOTICE: Ensure the clamping nut used to attach the pull rod to the levers has a 12mm hexagon pattern. A larger 13mm hexagon pattern

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nut will cause damage to the pull rod bearing.



[Kevin Flottmeyer](#) 166 posts since Nov 11, 2014

Re: DD15 GHG14 EGR linkage hex nuts Sep 4, 2020 7:20 PM

Did any one ever figure out what nut is supposed to used on this tow bar? I'm running into the same problem. The [A0029903950 nut won't work.](#)



[Jon Cecil](#) 783 posts since Nov 25, 2014

Re: DD15 GHG14 EGR linkage hex nuts Sep 5, 2020 5:04 AM

I found DDE A0049908450 that I think might be what you are looking for. Found it called out in a different BOM. It had also listed DDE A0029903950 in it as well.



[Kevin Flottmeyer](#) 166 posts since Nov 11, 2014

Re: DD15 GHG14 EGR linkage hex nuts Sep 8, 2020 4:04 PM

The DDE A0049908450 is the nut that I'm looking for. Why is it so hard to find the correct part #. Both of the part # listed above have a big flange on them and lock up the towbar when they are tighten up.