



TEMSA

SERVICE BULLETIN

Bulletin Type.....: M

Bulletin No.....: TS-M114

Bulletin Name.....: Avoiding flip of leveling valve

Bulletin Ref No.....: 700002795

NHTSA.....:

Release Date.....: 19.10.2016

Expiry Date.....: 19.10.2017

Vehicle Model.....: TS 45

Fiat Rate Code.....: TSM114

Flat Rate Time.....: 75 min.

Subject: Avoiding flip of leveling valve

Summary : This bulletin is made to replace body levelling system by the new one on TS45 vehicles.

Bulletin Responsible: Fikret ÖZCAN

Published by&Approved by: Hakan GÜNERDEM

Welding on the Chassis

- Always disconnect the batteries (starting with the negative lead).
- Disconnect the connectors of electrical and electronic equipment (electronic control units, sensors and actuators) if they are less than 2 meters away from the chassis part to be welded or the earth terminal of the welding equipment.
- The earth terminal should never be attached to vehicle components such as engine, axles and springs. Arcing on these parts is not permitted, because of the risk of damage to bearings, springs, etc.
- The earth terminal must make good contact and be placed as close as possible to the part to be welded.
- Plastic pipes, rubber parts and parabolic springs should be well protected against welding spatter and temperatures higher than 70°.

Service bulletin expiry dates differ according to service bulletin type.

Definitions

Release Date: As of this date the bulletin is released and available on E-Doc. Modification parts can be ordered. The time period between the release date and the effective date may vary according to the procurement lead time.

Effective Date: As of this date specified amount of the total modification parts will be available on Spare Parts Stock. Modification parts can be ordered and the application can be performed. (except non-compliance and safety related campaigns, i.e. S-Type Bulletin)

Part Order Deadline: Last order date for modification parts. The part orders which will be placed after this date should be approved by Regional Coordinator.

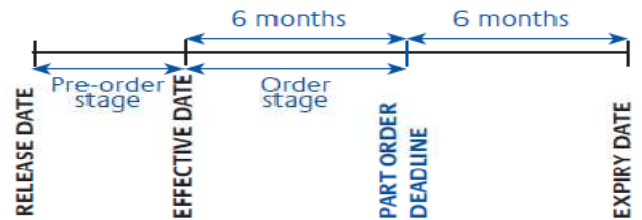
Expiry Date: Expiration date for the application.

Bulletin Types

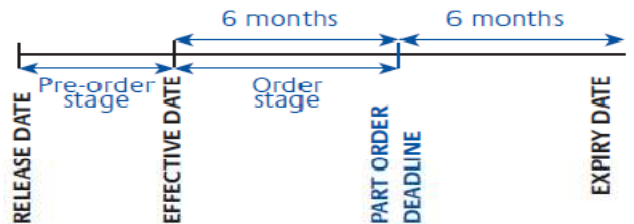
- **S-Type:** Application period of this bulletin is 18 months after the date of issue. S type bulletin is used for Recall Campaigns.



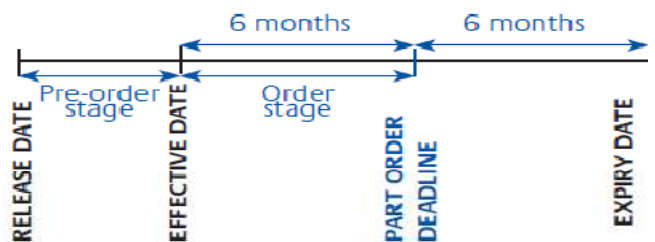
- **U-Type :** Application period of this bulletin is 12 months after the date of issue. U type bulletin is used for updates that need to be performed upon customer complaints.



- **C-Type:** Application period of this bulletin is 12 months after the date of issue. C type bulletin is generally used for supplying technical instructions or other type of information to service network.

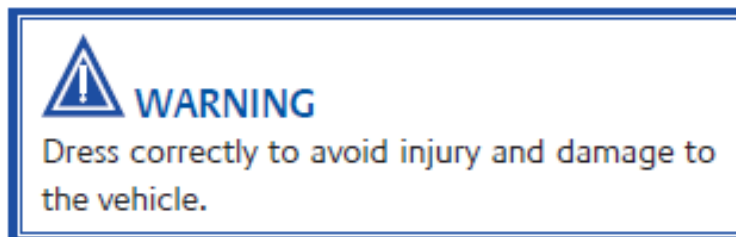


- **M-Type:** Application period of this bulletin is 12 months after the date of issue. M type bulletin is used for updates that should be implemented without waiting for customer complaints.



GENERAL PRECAUTIONS

1. Suggested Dress Code:



2. Before Starting the Work:

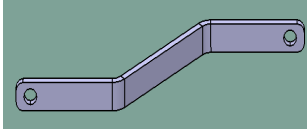
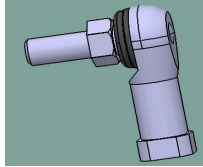
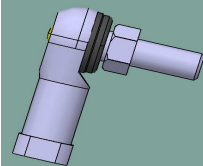
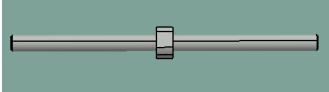
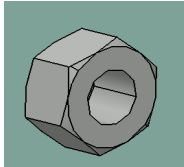
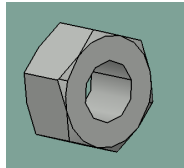
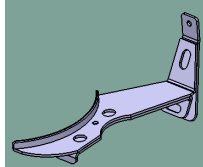
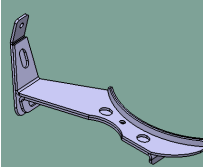
Always wear protective clothing. Do not wear any damaged or loose-fitting clothing and remove jewelry before starting the work. In case of long hair use hairnet. The illustration above shows some of the correct and incorrect clothing that should be worn during work. Sharp edges should be avoided e.g belts, watches, necklaces etc.

3. Interior materials protection:

Seats, trimming, upholstery stuff and carpeting should be protected with appropriate coverings.

PART LIST

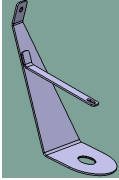
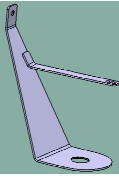

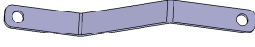
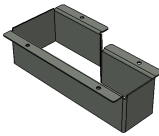
Installed Parts List

No	Part No	Part Name	Qty	Picture	Unit Of Measure
1	HD316106Y	LEVELING VALVE ARM	2		Pcs
2	NK311222Y	UNIVERSAL JOINT ARM (BL 8D)	2		Pcs
3	NK311223Y	UNIVERSAL JOINT ARM (BL 8DL)	2		Pcs
4	3111-LFE-02Y	LEVELING VALVE ARM	2		Pcs
5	MF430005Y	NUT, AKB (M8X1.25)	2		Pcs
6	MS440030Y	NUT,AKB, CCW THREAD(M8x1,25-5,6)	2		Pcs
7	RP316112Y	BRACKET, LEVELING VALVE LEFT	1		Pcs
8	RP316113Y	BRACKET, LEVELING VALVE RIGHT	1		Pcs

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9	MF100054Y	BOLT ,AKB(M8x1.25x18)	2		Pcs
10	MF450405Y	WASHER SPRING (B 8)	2		Pcs
11	MF450005Y	WASHER,PLAIN (A 8.4)	2		Pcs
12	MF140025Y	BOLT, FLANGED (M8 x 1.25 x 20)	2		Pcs
13	MF430005KY	M8X1,25 SELF LOCKING NUT-8,8	4		Pcs
14	9325-2297Y	PANEL	1		Pcs

Excluded Part Lis

No	Part No	Part Name	Qty	Unit	Unit Of Measure
1	RP316109Y	BRACKET, LEVELING VALVE LEFT	1		Pcs
2	RP316108Y	BRACKET, LEVELING VALVE RIGHT	1		Pcs
3	TM260276AY	LEVELING VALVE ARM	2		Pcs
4	3111-APA-03Y	LEVELING VALVE UPPER ARM	2		Pcs
5	9325-2297Y	PANEL	1		Pcs

TECHNICAL ORDERS :

Assembly Number: RP316001Y

Application:

Step 1: Remove the fender shown in Figure-1

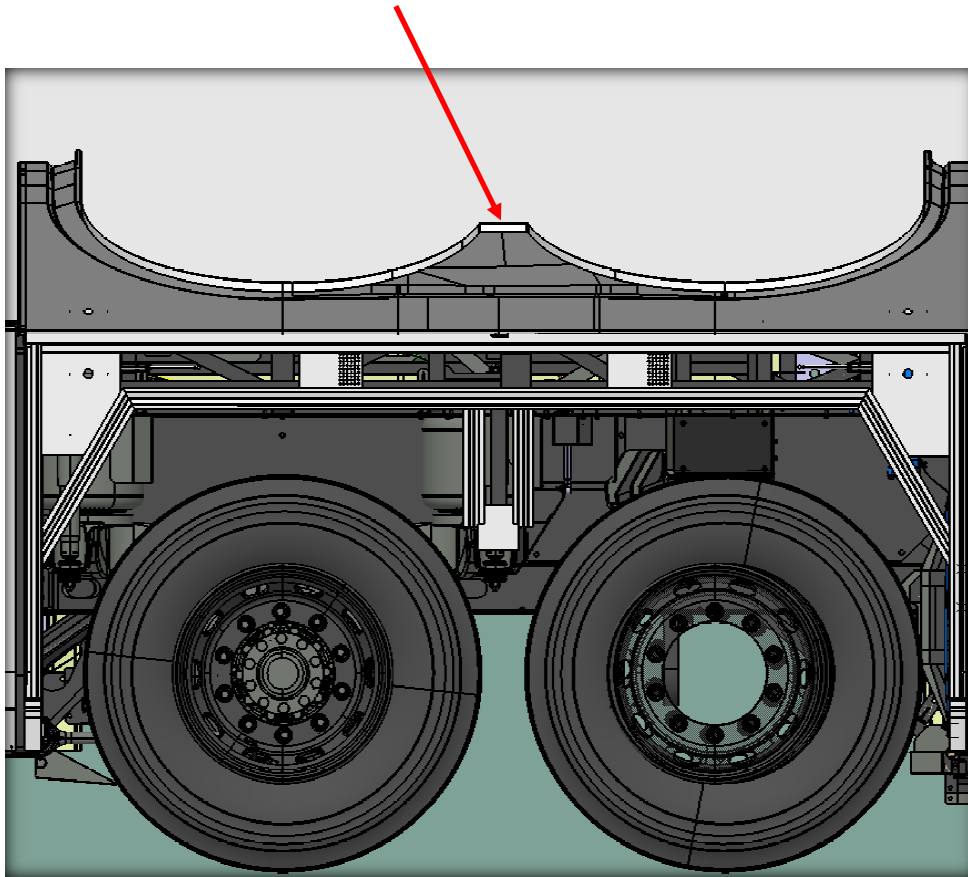


Figure-1

Step 2: Remove the panel shown in Figure-2

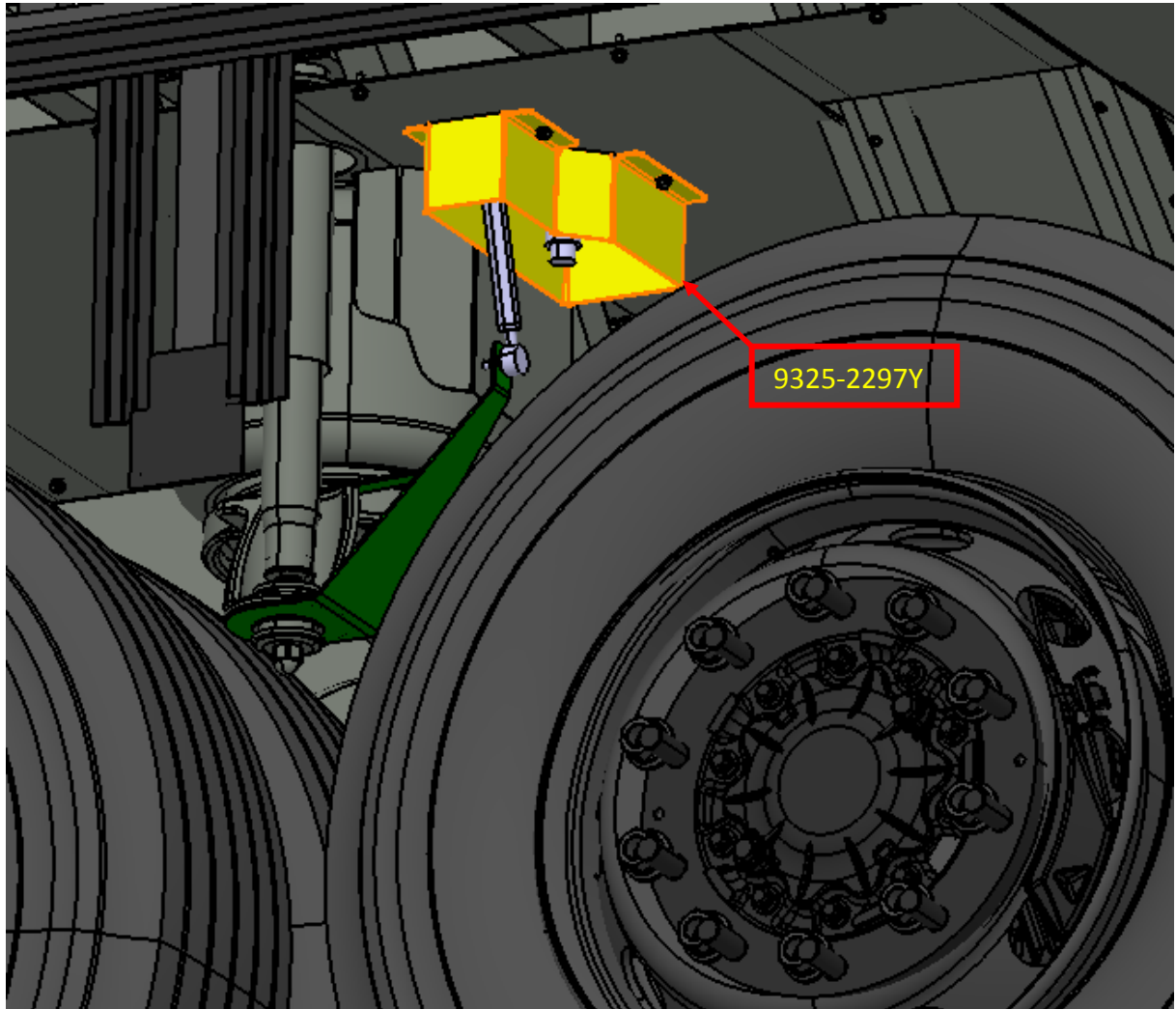


Figure-2

Step 3: Remove the leveling valve arm, leveling rod and leveling bracket shown in Figure-3

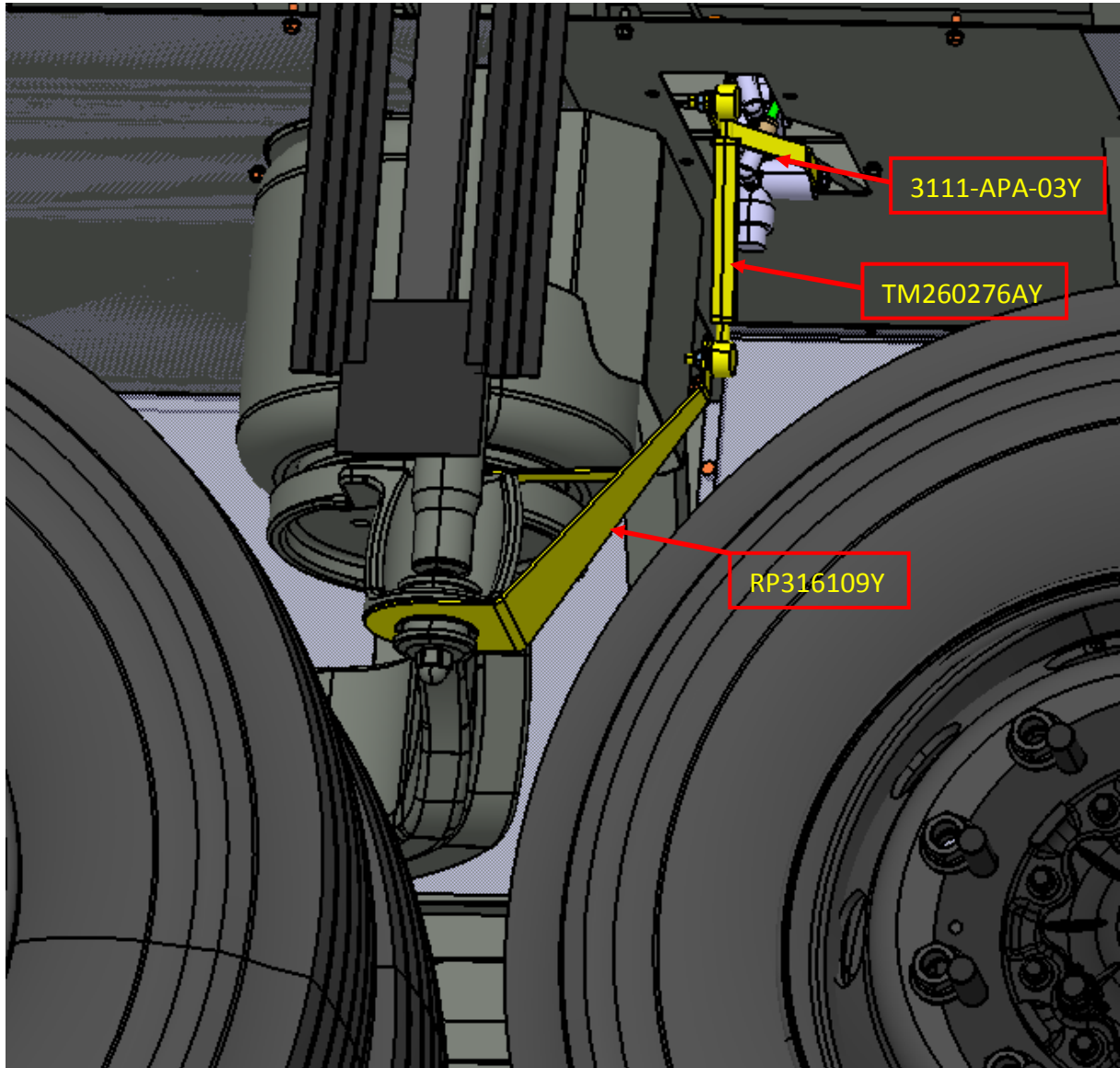


Figure-3

Step 4: Resize the slot on panel shown in Figure-4

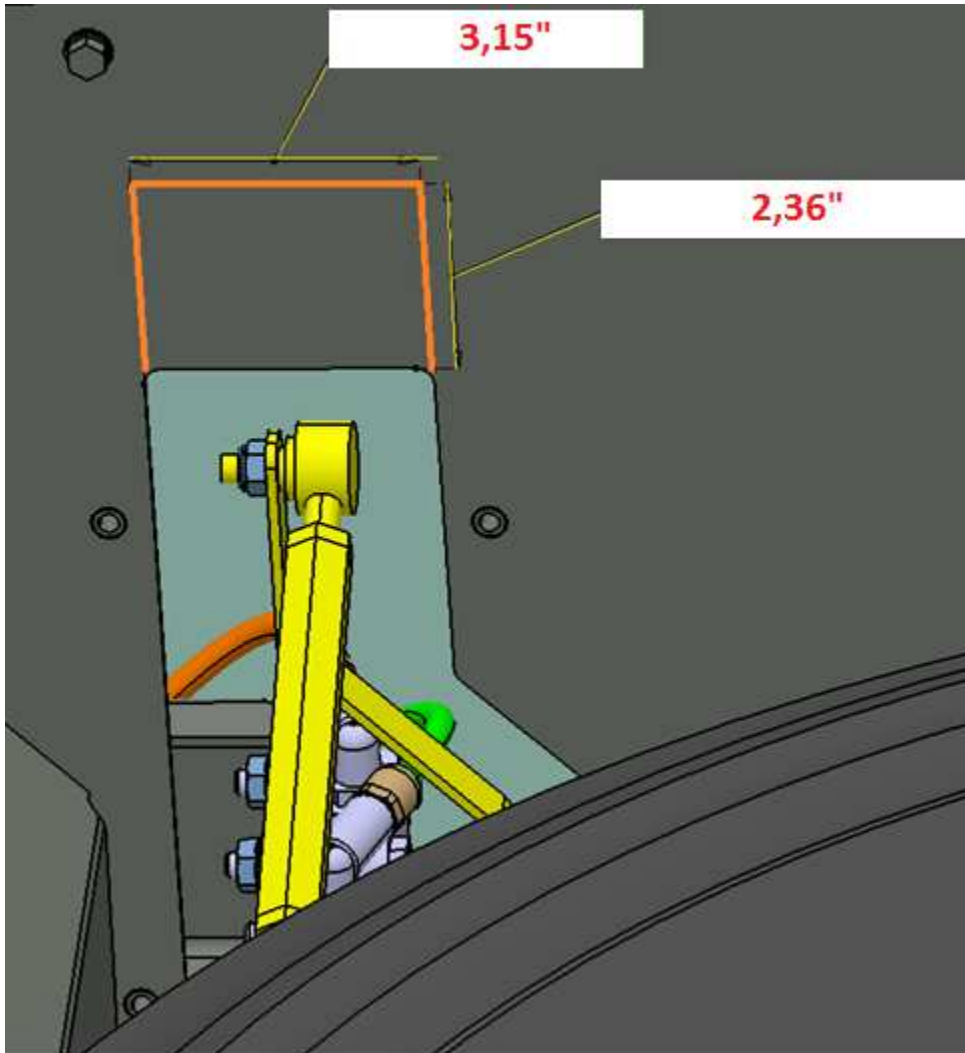


Figure-4

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Step 5: Note that arrow on valve block should be on downward direction during leveling valve arm installation. See "Figure-5"



Figure-5

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Step 6: Install the leveling arm (HD316106Y), leveling rod (3111-LFE-02Y) and bracket (RP316112Y) respectively. See "Figure-6"

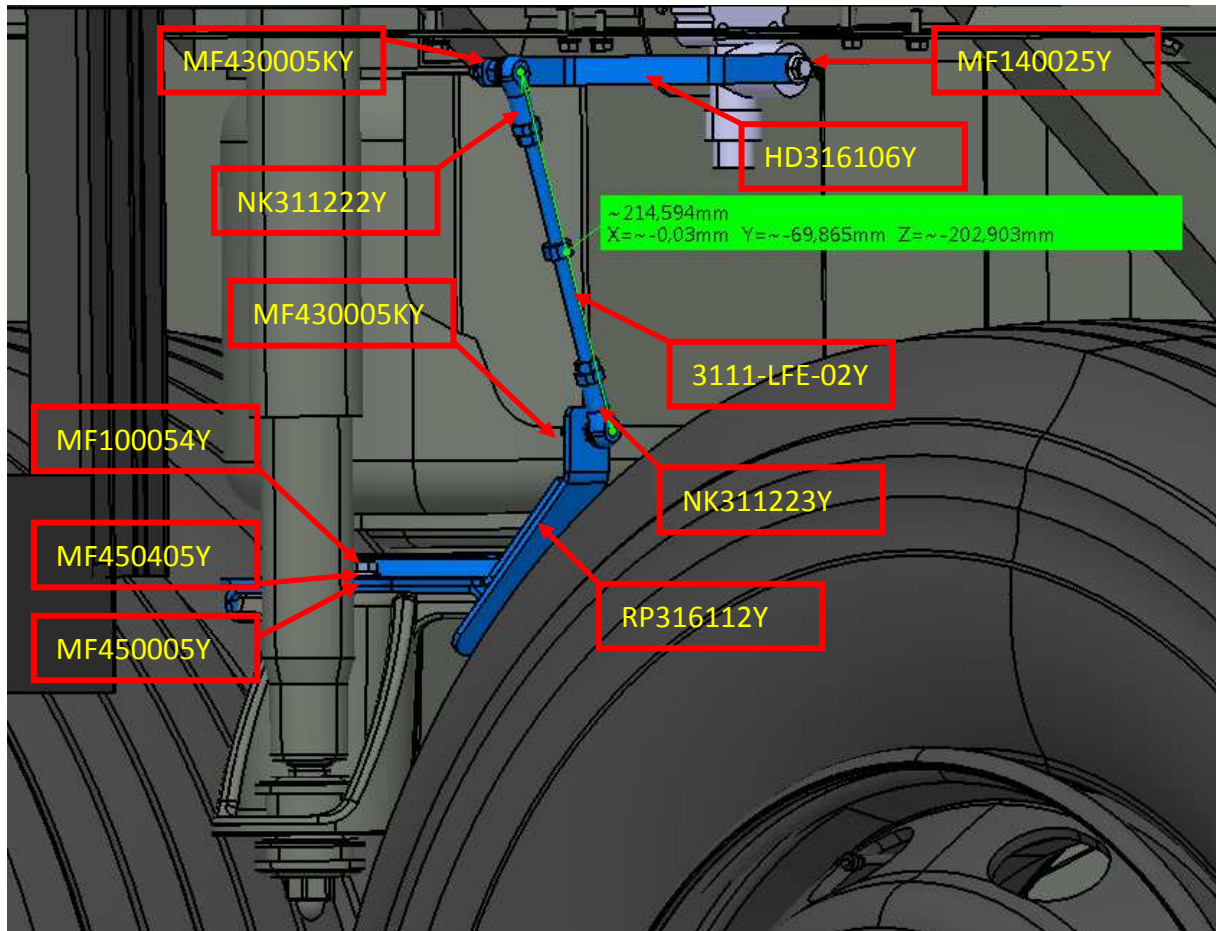


Figure-6

Step 7: Check the body height on a balanced surface. Body height must be checked from nearest point to the front and rear axle for both left and right hand side of the vehicle. See "Figure-7"



Figure-7

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Step 8: Adjust the body height by means of rotating leveling rod CCW or CW. See "Figure-8"

Secure the system by using locknuts after correct body height (1480mm) obtained for both sides.

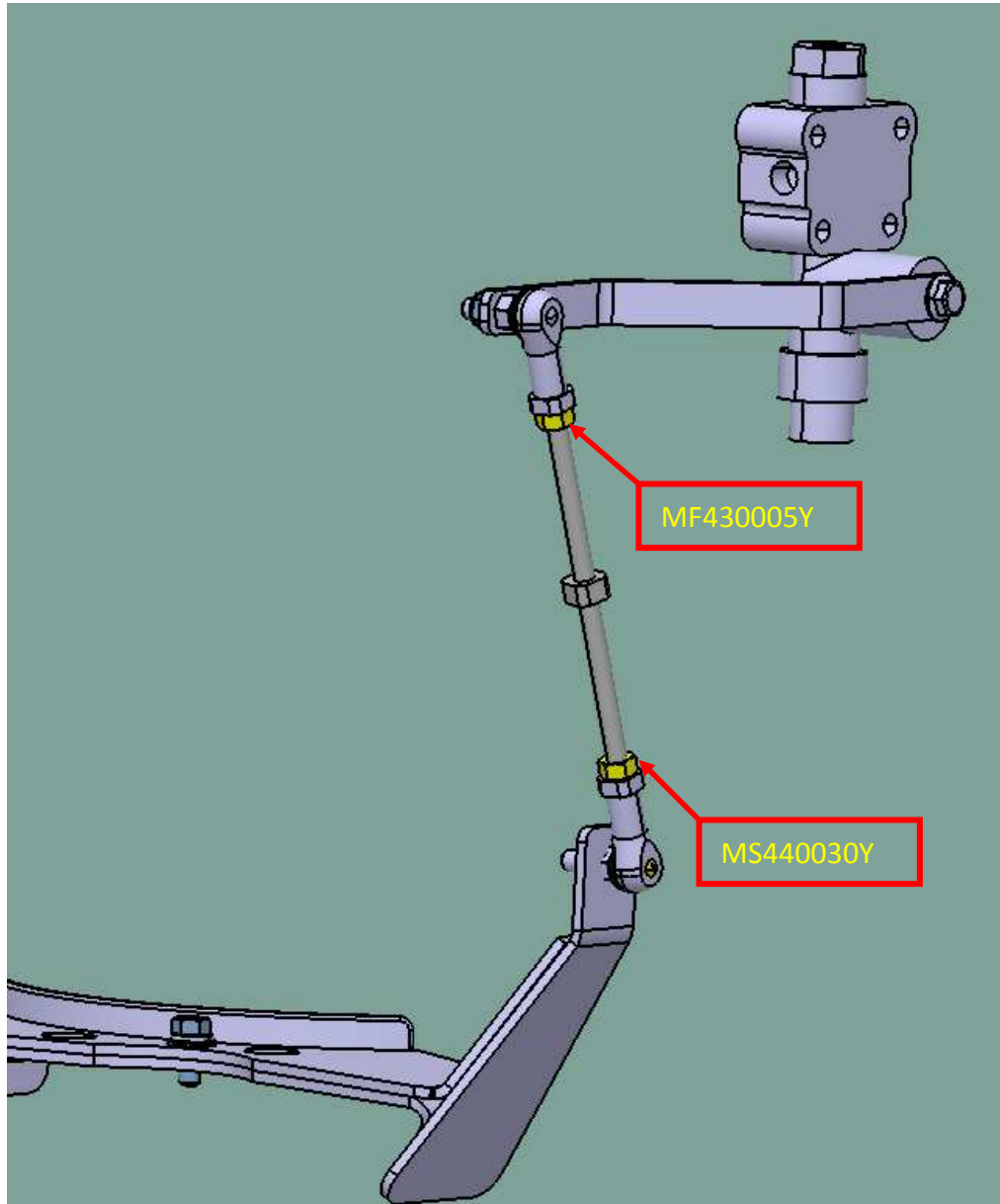


Figure-8

Step 9: Install the panel as shown in Figure-9

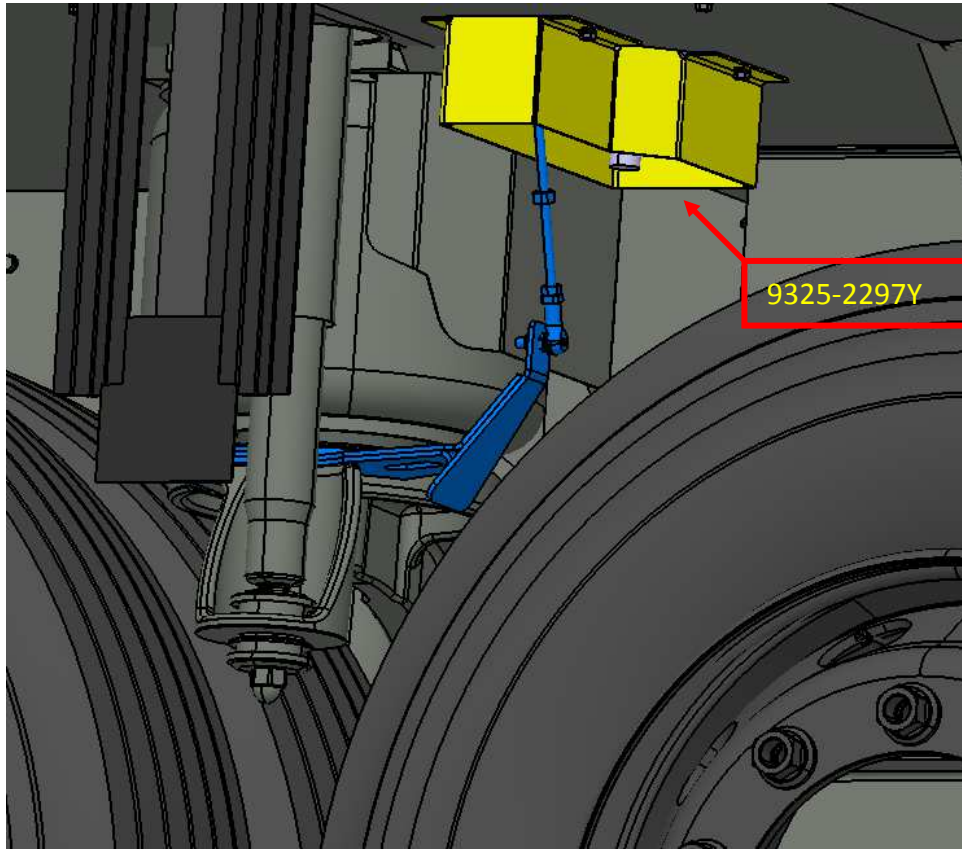


Figure-9

Step 10: Install the fender back.

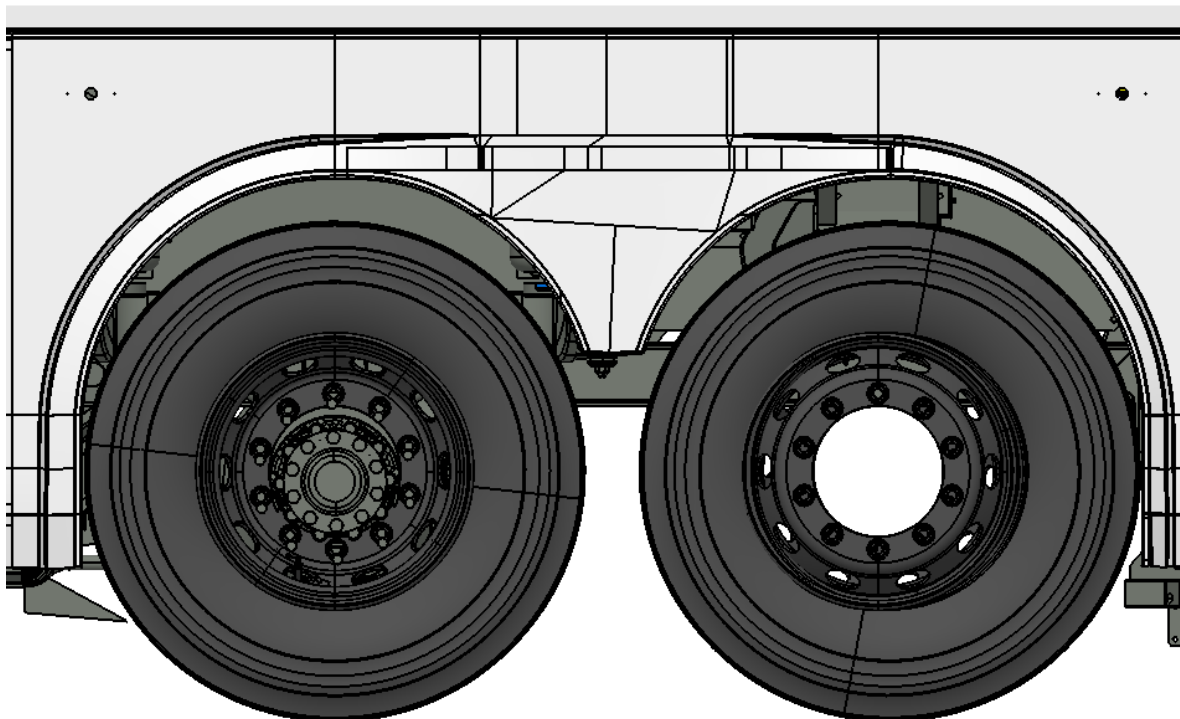


Figure-10

RATE BREAK DOWN

Removing of the fender	10 min
Removing of the leveling valve arm, leveling rod and leveling bracket	10 min
Removing of the panel	05 min
Mounting of the new leveling arm , leveling rod and bracket	20 min
Mounting of the panel back	05 min
Mounting of the fender	10 min
Setting the ride height	15 min
Total Time	75 min

Vehicle List

No	VIN	Country
1	NLTEJXU8XD1000001	USA
2	NLTEJXU8XE1000002	USA
3	NLTEJXU81E1000003	USA
4	NLTEJXU83E1000004	USA
5	NLTEJXU85E1000005	USA
6	NLTEJXU85F1000006	USA
7	NLTEJXU87F1000007	USA
8	NLTEJXU89F1000008	USA
9	NLTEJXU80F1000009	USA
10	NLTEJXU87F1000010	USA
11	NLTEJXU89F1000011	USA
12	NLTEJXU80F1000012	USA
13	NLTEJXU82F1000013	USA
14	NLTEJXU84F1000014	USA
15	NLTEJXU86F1000015	USA
16	NLTEJXU88F1000016	USA
17	NLTEJXU8XF1000017	USA
18	NLTEJXU81F1000018	USA
19	NLTEJXU83F1000019	USA
20	NLTEJXU8XF1000020	USA
21	NLTEJXU81F1000021	USA
22	NLTEJXU83F1000022	USA
23	NLTEJXU85F1000023	USA
24	NLTEJXU87F1000024	USA
25	NLTEJXU89F1000025	USA
26	NLTEJXU80F1000026	USA
27	NLTEJXU82F1000027	USA
28	NLTEJXU84F1000028	USA
29	NLTEJXU86F1000029	USA
30	NLTEJXU82F1000030	USA
31	NLTEJXU84F1000031	USA
32	NLTEJXU86F1000032	USA
33	NLTEJXU88F1000033	USA
34	NLTEJXU8XF1000034	USA
35	NLTEJXU81F1000035	USA

36	NLTEJXU83F1000036	USA
37	NLTEJXU85F1000037	USA
38	NLTEJXU87F1000038	USA
39	NLTEJXU89F1000039	USA
40	NLTEJXU85F1000040	USA
41	NLTEJXU87F1000041	USA
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65	NLTEJXX83G1000065	USA
66	NLTEJXX85G1000066	USA
67	NLTEJXX87G1000067	USA
68	NLTEJXX89G1000068	USA
69	NLTEJXX80G1000069	USA
70	NLTEJXX87G1000070	USA
71	NLTEJXX89G1000071	USA
72	NLTEJXX80G1000072	USA
73	NLTEJXX82G1000073	USA

74	NLTEJXX84G1000074	USA
75	NLTEJXX86G1000075	USA
76	NLTEJXY8XG1000076	USA
77	NLTEJXX8XG1000077	USA
78	NLTEJXX81G1000078	USA
79	NLTEJXX83G1000079	USA
80	NLTEJXX8XG1000080	USA
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98	NLTEJXX87G1000098	USA
99	NLTEJXX89G1000099	USA
100	NLTEJXX81G1000100	USA
101	NLTEJXX83G1000101	USA
102	NLTEJXX85G1000102	USA
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104	NLTEJXX89G1000104	USA
105	NLTEJXX80G1000105	USA
106	NLTEJXX82G1000106	USA
107	NLTEJXX84G1000107	USA
108	NLTEJXX86G1000108	USA
109	NLTEJXX88G1000109	USA
110	NLTEJXX84G1000110	USA
111	NLTEJXX86G1000111	USA

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