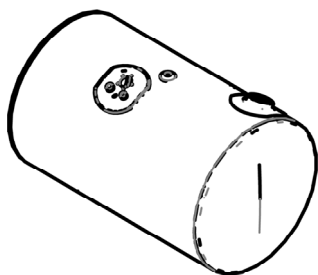




Technical Information Bulletin

44-033



Section

Fuel - 44

Subject

Fuel Tank End Cap Weld Quality

Release Date

7/21/2020

Condition

The end cap welds on certain fuel tanks may not meet internal quality standards due to improper weld equipment settings.

Chassis Affected

1125 chassis (1023 U.S. and 102 Canada), T680, T800, T880, W900, W990 Model Year 2020 vehicles built from 04/04/2019 through 05/01/2019 equipped with affected fuel tanks. See the attached chassis list for specific chassis and fuel tank locations.

To assist the fuel tank supplier in keeping up with part demand, chassis will be added in phases of 100-150 chassis per phase. The chassis list will be updated for each phase. The timing of updates is directly related to the number of tanks ordered and the number of fuel tanks the supplier can produce.

Action

Campaign

Service all chassis affected that enter your dealership, even if the customer has no issue with the chassis.

1. Review the attached chassis list for your dealer code and schedule your customer(s) for service if their chassis is on the list.
2. Confirm with the customer that your dealership will be the repairing location before ordering parts.
3. Do an inventory of the parts to ensure all required parts have arrived prior to scheduling the chassis for the retrofit.
4. If you are not using Service Management to start repair orders, review DWWC or SIR for "Complete" or "In Process" next to the "44033" campaign code prior to performing this repair.
5. Follow the procedures below to replace the fuel tank.

This campaign can be performed at any time convenient for the customer (for example: during the next scheduled maintenance interval).



CAUTION

Dealers that release trucks on the chassis list without completing the actions described below may face liability for progressive damage.

Warranty

Through Standard Warranty (excludes Extended Warranty) or for repairs completed by 08/01/2021, whichever is greater, Kenworth will pay for parts at dealer net plus applicable mark-up and labor:

- Appropriate labor time per the appropriate SRT indicated in the Claim Coding table and the number of fuel tanks to be replaced as indicated on the chassis list. File a long form claim.

Take-Off Parts Disposition: Destroy take-off parts.

CLAIM CODING			
Failure Location:	044-001-001	Work Accomplished:	35
Failure Type:	700	Responsibility Code:	02
SRT Code:	044-001 2.0 hours Fuel Tank, (one) - R & R. Includes: Drain & refill tank, and swapping over straps, vent, cap & sender/float 044-002 1.0 hours Fuel Tank, Behind Cab - R & R. Includes R & R of fuel, and swapping over straps, vent, cap & sender/float.	Claim Type:	C
		Campaign Field:	44033

Parts

Parts are available from PACCAR Parts.

Fuel tanks have a 2-4 week lead time.

Refer to the attached chassis list to determine the fuel tank part number(s) and which tank(s) require replacement. Some chassis will require one fuel tank to be replaced, some will require two.

Procedure

Replace the fuel tank. For fastener torque specs, refer to service manual  [KM819007](#).

Attachments

 [Dealer/Chassis List with part numbers](#)

Authored by: OF

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Fastener Torque Specifications

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IMPORTANT: Torque all fasteners on the nut end.

Grade 5 Fasteners		Torque	
Size	Thread	Nm	Lb-Ft
1/4	28 UNF	9-11	7-8
	20 UNC	8-9	6-7
5/16	24 UNF	19-20	14-15
	18 UNC	16-18	12-13
3/8	24 UNF	34-35	25-26
	16 UNC	28-31	21-23
7/16	20 UNF	52-56	38-41
	14 UNC	46-49	34-36
1/2	20 UNF	81-88	60-65
	13 UNC	72-77	53-57
9/16	18 UNF	122-129	90-95
	12 UNC	108-115	80-85
5/8	18 UNF	163-176	120-130
	11 UNC	142-156	105-115
3/4	16 UNF	258-278	190-205
	10 UNC	230-251	170-185
7/8	14 UNF	380-407	280-300
	9 UNC	339-366	250-270
1	14 UNF	576-617	425-455
	8 UNC	515-542	380-400

Torque values apply to fasteners with clean threads, lightly lubricated, with hardened steel washers, and nylon-insert nuts.

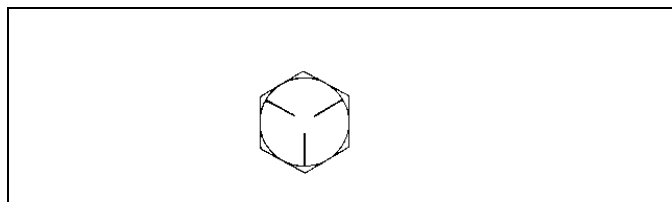
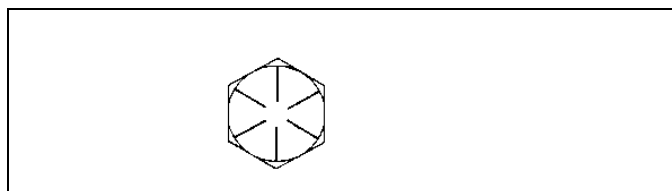


Figure 19-1 U.S. Customary - Grade 5

Grade 8 Fasteners	Torque	
Size	Nm	Lb-Ft
5/16	22-30	16-22
3/8	41-54	30-40
7/16	75-88	55-65
1/2	109-122	80-90
9/16	156-190	115-140
5/8	224-265	165-195
3/4	394-462	290-340
7/8	517-626	380-460
1	952-1129	700-830
1 1/8	1346-1591	990-1170
1 1/4	1877-2217	1380-1630

Torque values apply to fasteners with clean threads, lightly lubricated, with hardened steel washers, and nylon-insert nuts.





Fastener Torque Specifications

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Torque Requirements For Class 10.9 Metric Bolts

Fastener	Nm	Lb-Ft
M5	8-12	6-9
M6	9-15	7-11
M8	23-31	17-23
M10	33-43	24-32
M12	75-101	55-75
M14	134-164	99-121
M16	163-217	120-160
M20	352-460	260-340
Torque values apply to fasteners with clean threads, lightly lubricated, with hardened steel washers, and nylon-insert nuts.		

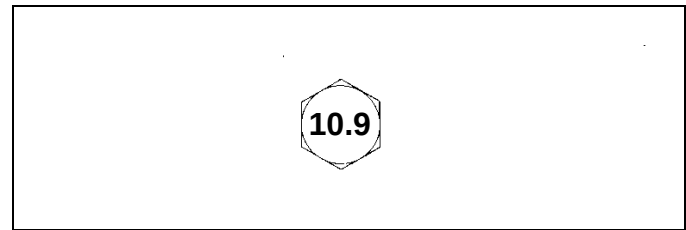


Figure 19-3 Metric - Class 10.9

Torque Requirements For Class 10.9 Metric Bolts With All-Metal Nuts*

Fastener	Nm	Lb-Ft
M20 w/all metal lock-nuts	427-475	315-350
*Used on Airglide 100 and 200 Center Frame Brackets		
Torque values apply to fasteners with clean threads, lightly lubricated, with hardened steel washers.		