4X4 - REAR OF VEHICLE SITS LOWER THAN DESIRED UNDER LIGHT LOADS	TSB 14-0161

SB-10058097-2424

FORD:

2011-2015 F-250

This article supersedes TSB **14-0044** to update the model years and Service Procedure.

ISSUE

Some customers with 2011-2015 F-250 Super Duty 4x4 vehicles want to raise the rear of their vehicle to change vehicle attitude appearance. This procedure provides the necessary information for this modification in accordance with engineering specifications. The modification is a customer responsibility and is not covered by New Vehicle Limited Warranty.

ACTION

Follow the Service Procedure steps to perform the modification.

SERVICE PROCEDURE

Rear ride height may be increased by replacing the rear leaf spring spacer block along with additional components. Raising the rear ride height could affect fifth wheel trailer compatibility.

1. Is the vehicle a 2014-2015 model year and equipped with a snow pre-package?
   a. No - proceed to step 2.
   b. Yes - no further action is required. The vehicle is already equipped with all the components listed in this procedure.
2. Lower the rear axle and remove the original 5 cm (2") rear spring spacers. Discard the spacers, U-bolts, and nuts. Refer to Workshop Manual (WSM), Section 204-02.
   a. Refer to the parts list chart for the correct part and vehicle application. (Figure 1)
3. Install 10 cm (4") rear spring spacers, using new U-bolts and nuts.
4. Raise the rear axle and tighten the U-bolt nuts in proper sequence. Refer to WSM, Section 204-02.
5. Replace the rear shock absorbers. Refer WSM, Section 204-02.
6. If the vehicle is equipped with a two-piece driveshaft, replace the driveshaft and center bearing bracket. Refer to WSM, Section 205-01 and proceed to Step 8.
   a. Check driveline angles, if required. Refer to WSM, Section 205-00.
   b. Failure to update the center bearing bracket, if required, may result in driveline shudder.
7. If the vehicle is equipped with a one-piece driveshaft, replace the driveshaft. Refer WSM Section 204-02.
8. If the vehicle is equipped with a camper package with rear suspension stabilizer bar, replace both rear stabilizer bar links. Refer WSM, Section 204-02.
9. Adjust headlamp aim. Refer to WSM, Section 417-01.

PART NUMBER	PART NAME
F81Z-5598-FA	4" Block - LH - 137" / 142"
F81Z-5598-GA	4" Block - RH - 137" / 142"

NOTE: The information contained in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service.The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford, Lincoln, or Mercury dealership to determine whether the bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article.The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supercede this information with updates.The most recent information is available through Ford Motor Company's on-line technical resources.

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PART NUMBER	PART NAME
7C3Z-5598-HB	4" Block - LH - 156" / 158"
7C3Z-5598-JB	4" Block - RH - 156" / 158"
F81Z-5598-DA	4" Block - LH/RH - 172"
BC3Z-5705-C	U-Bolts - 137" / 142" / 158"
BC3Z-5705-G	U-Bolts - 156" / 172"
BC3Z-18125-AK	Shock - Gas - 137" / 142"
BC3Z-18125-U	Shock - Diesel - 137" / 142"
BC3Z-18125-AG	Shock - Gas - 137" / 156" / 158"
BC3Z-18125-V	Shock - Diesel - 137" / 156"/ 158"
BC3Z-18125-AM	Shock - Gas - 137" / 142"
BC3Z-18125-AH	Shock - Diesel - 137" / 156" /158"
BC3Z-18125-AA	Shock - Diesel - 137" / 142"
BC3Z-18125-AB	Rear Shock - Diesel - 172" / 156" / 158"
BC3Z-4602-AB	Driveshaft - Gas - 137"
BC3Z-4602-AB	Driveshaft - Diesel - 137"
BC3Z-4602-AJ	Driveshaft - Gas - 142"
BC3Z-4602-AH	Driveshaft - Diese1 - 142"
BC3Z-4602-X	Driveshaft - 156"
BC3Z-4R602-MY	Driveshaft - 158"
BC3Z-4R602-PT	Driveshaft Gas - 172"
BC3Z-4R602-PV	Driveshaft Diesel - 172"
BC3Z-4R602-MP	Driveshaft - 172"
8C3Z-4831-D	Bearing Spacer - 158"
7C3Z-4831-G	Bearing Spacer - 172"
DC3Z-5K484-B	Stabilizer Link
7C3Z-4831-G	Bearing Spacer - 172" / 156"/ 158"

WARRANTY STATUS:
Information Only – Not Warrantable

2011 - 2015 MODEL YEAR F-SUPER DUTY - RAISE PRODUCTION F-250 4X4 2" BLOCK REAR SUSPENSION TO PRODUCTION F-350 4X4 4" BLOCK APPEARANCE PACKAGE

DESCRIPTION	PRODUCTION PART NUMBER			SERVICE PART NUMBER			ENGINE		WHEEL BASE (WB)					
PART DESCRIPTION	F-250 ORIGINAL PRODUCTION	F-250 CURRENT PRODUCTION	F-350 CURRENT PRODUCTION	F-250 ORIGINAL SERVICE	F-250 CURRENT SERVICE	F-350 CURRENT SERVICE	GAS	DIESEL	137"	142"	156"	158"	172"	QTY.
DRIVESHAFTS	BC34-4602-BAA	BC34-4602-BAB	BC34-4602-BLC	BC3Z-4602-D	BC3Z-4602-AA	BC3Z-4602-AB	X		X					1
	BC34-4602-BCA	BC34-4602-BAB	BC34-4602-BLC	BC3Z-4602-S	BC3Z-4602-AA	BC3Z-4602-AB		X	X					1
	BC34-4602-DAA	BC34-4602-DAB	BC34-4602-DLC	BC3Z-4602-H	BC3Z-4602-AE	BC3Z-4602-AJ	X			X				1
	BC34-4602-DCA	BC34-4602-DAB	BC34-4602-DNB	BC3Z-4602-U	BC3Z-4602-AE	BC3Z-4602-AH		X		X				1
	BC34-4602-FCA	BC34-4602-FCA	BC34-4602-FCA	BC3Z-4602-X	BC3Z-4602-X	BC3Z-4602-X	X	X			X			1
	BC34-4K145-HAC	BC34-4K145-HAD	BC34-4K145-HLC	BC3Z-4R602-LA	BC3Z-4R602-MX	BC3Z-4R602-MY	X					X		1
	BC34-4K145-HCA	BC34-4K145-HAD	BC34-4K145-HLC	BC3Z-4R602-LB	BC3Z-4R602-MX	BC3Z-4R602-MY		X				X		1
	BC34-4K145-KAC	BC34-4K145-KAD	BC34-4K145-KLD	BC3Z-4R602-MH	BC3Z-4R602-PW	BC3Z-4R602-PT	X						X	1
	BC34-4K145-KCB	BC34-4K145-KCD	BC34-4K145-KMD	BC3Z-4R602-PR	BC3Z-4R602-PU	BC3Z-4R602-PV		X					X	1
	BC34-4K145-KDA	BC34-4K145-KDB	BC34-4K145-KNB	BC3Z-4R602-MA	BC3Z-4R602-MB	BC3Z-4R602-MP	X	X					X	1
TWO PIECE DRIVESHAFT CARRIER BEARING SPACER PLATE	BC34-4831-BMA	CC34-4831-BMA	CC34-4831-BFA	7C3Z-4831-K	8C3Z-4831-G	8C3Z-4831-D	X	X				X		1
	BC34-4831-ADB	CC34-4831-ADA	CC34-4831-AHA	7C3Z-4831-A	BC3Z-4831-A	7C3Z-4831-G	X	X					X	1
REAR STABILIZER BAR LINKS (IF EQUIPPED)	F81A-5K484-DA	5C34-5K484-DA	DC34-5K484-FA	7C34-5K484-F	DC3Z-5K484-B	DC3Z-5K484-B	X	X	X	X	X	X	X	2
SPACER BLOCKS	7C34-5B811-AA	7C34-5598-KA	2C34-5598-FA	7C3Z-5598-K	7C34-5598-K	F81Z-5598-FA	X	X	X	X				2
	7C34-5B811-LA	7C34-5598-LA	2C34-5598-GA	7C3Z-5598-L	7C3Z-5598-L	F81Z-5598-GA	X	X	X	X				2
	2C34-5998-AA	6C34-5598-AA	7C34-5598-HD	2C3Z-5598-AA	6C3Z-5598-A	7C3Z-5598-HB	X	X			X	X		2
	2C34-5598-AA	6C34-5598-AA	7C34-5598-JD	2C3Z-5598-AA	6C3Z-5598-A	7C34-5598-JB	X	X			X	X		2
	6C34-5598-AA	7C34-5598-KA	F81A-5598-DB	7C3Z-5598-K	7C3Z-5598-K	F81A-5598-DA	X	X					X	2
U-BOLTS	BC34-5705-HB	BC34-5705-HB	BC34-5705-CA	BC3Z-5705-H	BC3Z-5705-H	BC3Z-5705-C	X		X	X				4
	BC34-5705-BB	BC34-5705-BC	BC34-5705-CA	BC3Z-5705-K	BC3Z-5705-K	BC3Z-5705-C		X	X	X				4
	BC34-5705-FB	BC34-5705-FA	BC34-5705-CA	BC3Z-5705-F	BC3Z-5705-F	BC3Z-5705-C	X	X			X	X	X	4
	BC34-5705-BB	BC34-5705-BC	BC34-5705-JA	BC3Z-5705-K	BC3Z-5705-K	BC3Z-5705-G	X	X	X	X	X	X	X	4
REAR SHOCK ABSORBERS	BC34-18080-JBC	BC34-18080-JBD	BC34-18080-LBD	BC3Z-18125-J	BC3Z-18125-AJ	BC3Z-18125-AK	X		X	X				2
	BC34-18080-JDB	BC34-18080-JDC	BC34-18080-LDC	BC3Z-18125-L	BC3Z-18125-L	BC2Z-18125-U		X	X	X				2
	BC34-18080-JCC	BC34-18080-JCD	BC34-18080-LCD	BC3Z-18125-K	BC3Z-18125-AE	BC3Z-18125-AG	X				X	X	X	2
	BC34-18080-JEB	BC34-18080-JEC	BC34-18080-LEC	BC3Z-18125-M	BC3Z-18125-M	BC3Z-18125-V		X			X	X	X	2
	BC34-18080-KBC	BC34-18080-KBD	BC34-18080-MBD	BC3Z-18125-N	BC3Z-18125-AL	BC3Z-18125-AM	X		X	X				2
	BC34-18080-KCC	BC34-18080-KCD	BC34-18080-MCD	BC3Z-18125-P	BC3Z-18125-AF	BC3Z-18128-AH	X				X	X	X	2
	BC34-18080-KDB	BC34-18080-KDC	BC34-18080-MDC	BC3Z-18125-Q	BC3Z-18125-Q	BC3Z-18125-AA		X	X	X				2
	BC34-18080-KEB	BC34-18080-KEC	BC34-18080-MEC	BC3Z-18125-R	BC3Z-18125-R	BC3Z-18125-AB		X			X	X	X	2

Figure 1 - Article 14-0161

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