



Subject: A/C Compressor Tensioner Bracket Retrofit			
Field change Program: Service Bulletin	Bulletin Number: 3143	Revision: A	Date: 09/17/2020
Coach Section: 16- Heating & A/C	P/N: 08-27-1172		Type: Product Improvement

Application:

Coach Model	Model Year	VIN
J4500	2016 - 2018	65758 - 68800

 WARNING

Read this entire procedure before beginning work.

Use Safe Shop Practices at All Times.

To avoid personal injury:

- a. Proper Personal Protective Equipment (PPE) must be worn. Safety glasses and protective gloves are required for working with DEF Fluid.*
- b. Turn the main battery disconnect switch to the OFF position.*
- c. Ensure that both the front and the rear wheels are chocked.*
- d. Position the ENGINE RUN and ENGINE START switches on the engine compartment remote control box to the OFF position.*
- e. Allow enough time for components to cool down prior to working in the engine compartment.*

1.0 Description

This bulletin outlines steps to add a tensioner bracket to increase the tension on the A/C Compressor belt.

2.0 Material requirements

ITEM	PART NO	QTY	U/M	DESCRIPTION
1	08-27-1386	1	EA	Bracket- AC Tensioner
2	19-01-1526	2	EA	Capscrew- 1/2-13 X 3"
3	19-02-0410	2	EA	Washer- FL, 1.75 ODX.531 ISX.134, ZN
4	19-03-0497	2	EA	Nut-Flg, 1/2-13 Yellow Zinc plating

3.0 Special tools

Ratchet strap (Vendor: U-Line, VPN: H-2068) or MCI Tensioner Compressor tool, P/N: 20-13-6675.

Belt tensioner gauge (Vendor: Napa, VPN: NBR-KR1)

Belt Alignment tool (Vendor: VibrAlign, APN: 100-BH2)



Belt tensioner gauge



Ratchet Strap



Belt alignment tool

4.0 Procedure

Open the engine door using the latch behind the curbside service door.



Rotate the lever
counterclockwise

Use a ratchet strap or MCI tensioner compressor tool, P/N: 20-13-6675, to clasp the AC belt tensioner. Remove and save the A/C belt.



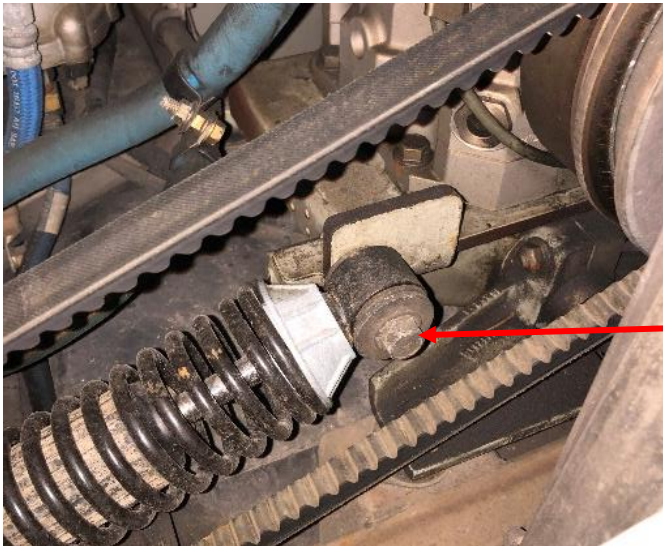
Remove and save the
belt using ratchet strap
or MCI tensioner
compressor tool, P/N:
20-13-6675

WARNING

Spring is under compression and in tension.

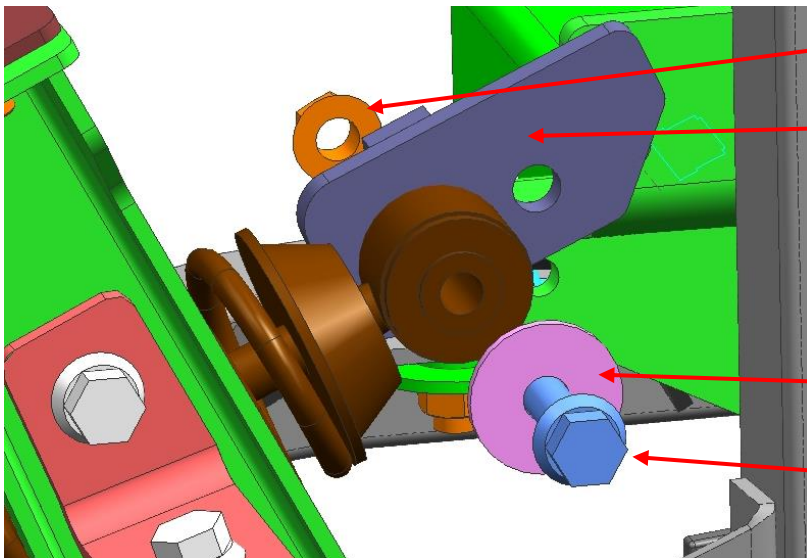
To prevent personal injury, use caution while using ratchet.

Remove and discard the nut, washer, and bolt securing the tensioner to the AC compressor.



Remove and discard the nut, washer and bolt

Install tensioner bracket, MCI P/N: 08-27-1386, to tensioner using capscrew, MCI P/N: 19-01-1526, washer, MCI P/N: 19-02-0410, and nut, MCI P/N: 19-03-0497, as shown below. Torque the nut to 89 Ft-Lb.



Nut, MCI P/N: 19-03-0497

Install the tensioner bracket, 08-27-1386

Washer, MCI P/N: 19-02-0410

Capscrew, MCI P/N: 19-01-1526

Secure the other end of the tensioner bracket to A/C compressor using capscrew, MCI P/N: 19-01-1526, washer, MCI P/N: 19-02-0410, and nut, MCI P/N: 19-03-0497, as shown below. Torque the nut to 89 Ft-Lb.



Secure the tensioner bracket to compressor using washer, 19-02-0410, screw, 19-01-1526, and nut, 19-03-0497

Remove the ratchet clasp or MCI tensioner compressor tool and re-install the A/C compressor belt.



Re-install the belt

5.0 Verification

5.1 Belt alignment

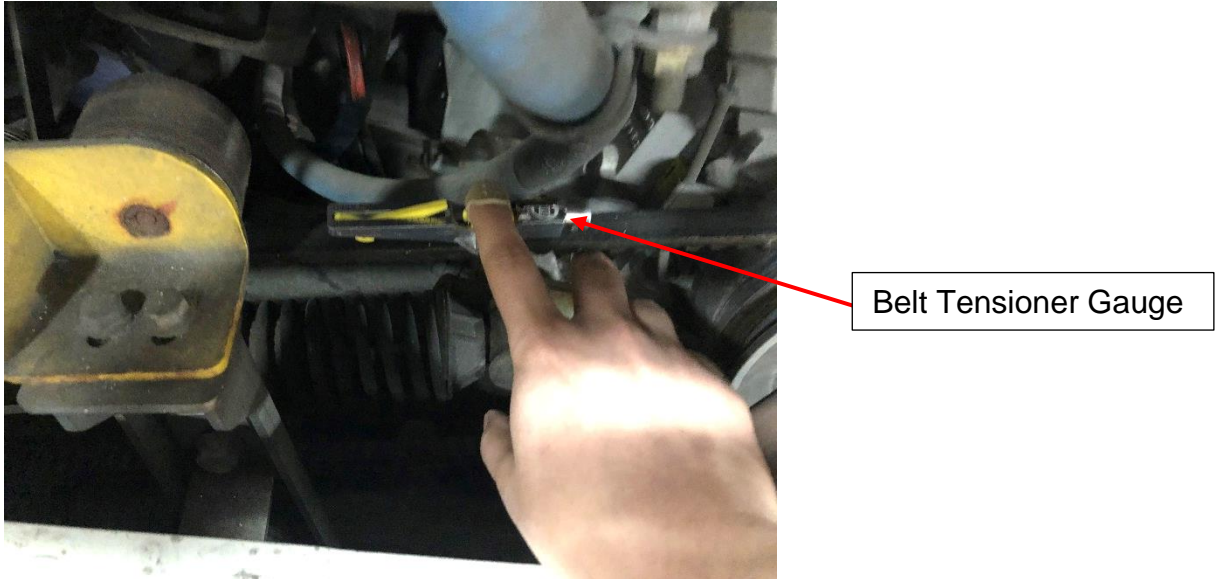
Use the belt alignment tool to verify the alignment of the AC compressor pulley to the pulley on the crankshaft following the instructions in the maintenance manual section 16A-2.



Laser line on the tool

5.2 Belt tension

Place belt tensioner gauge on top of the belt about 2 inches from the upper pulley, as shown below. Tension should be 140 ± 5 Ft/Lb.



End of the procedure