ACCOUNT TEAM COVERAGE

Please Deliver To: Service Managers and Warranty Decision Makers

FROM: Cummins Global Warranty Administration Communications

Subject: ISL Refrigerant Compressor Drive Belt Tension ATC for Gillig Bus

Number: Atc2003 **Date:** 17-Apr-2018

Expires: 01-Mar-2020 (U.S./Canada)
01-Mar-2020 (International)

Attention: U.S / Canadian Dealers
U.S / Canadian Distr./Branches and Div. Offices (Automotive)

This is to revise and replace atc2003, dated 13-Mar-2018. This revision is to:

1 adding attachment B, and

2 added supporting narrative.

If additional information is required, please contact your Cummins Warranty Operations Group Leader.

DESCRIPTION:

This ATC is being issued to address incorrect AC compressor drive belt tension on certain ISL 2013 and ISL Gas Plus 2007 engines installed in Gillig Bus applications. This ATC authorizes the checking and adjustment of the belt tension to the new specification as indicated in the instructions below.

ACTION:

In order to qualify for repair under this field action, an engine:

1 will be covered Regardless of coverage status, and

2 **must** show as OPEN on QuickServe® Online for this field action.

NOTE: The ESN list is attached for reference.

After verifying that the engine meets the above requirements, perform the following actions:

1) Check and, if needed, set AC Compressor Belt tension as follows:

Specification :

1468-1600 N (330-360 lbs.) for a used belt

2000-2135 N (450-480 lbs.) when installing a new belt.

NOTE: A belt is considered used if it has been in service for ten minutes or longer.

2) Please refer to Attachment B for detailed instructions.

MATERIAL DISPOSITION:

There are no materials involved in the field action.

REIMBURSEMENTS:

Parts:

There are no parts covered in this field action.

NOTE: SRTs to gain access that are required to complete the repair, that are sufficiently explained in the claim narrative, may also be claimed on this action.

Labor using applicable Access Code and Time:

SRT Code	Description	Time
00-90X	Administrative time	
99-902	AC COMPRESSOR BELT TENSION CHECK AND ADJUST (QTY. 7)	

Travel:

Travel is **not** covered under this field action. Towing is **not** covered under this field action.

Other Claimables:

Consumables are **not** covered under this field action.

Claim Instructions:

For Cummins Dealers, claims for this Field Campaign **must** be filed via **RAPID**SERVE™ Web (rsw.cummins.com). For information regarding **RAPID**SERVE™ Web, please reference the "Warranty" tab in QuickServe® Online. If there are additional questions, please contact your local Cummins Distributor.

Account Code: 27
Pay Code: ..... Distributor = X
Pay Code: ..... Dealer = D
Pay Code: ..... International = I
Failure Code: ..... WSSBLA

Attachments
atc2003_esn-list.xls atc2003_tea-14_belt_tension_procedure_attach-b.pdf

HVAC Belt Tensioning

In order to deliver the higher torque sometimes required by the TEA system, the belt tension must be higher than it is for conventional mechanical compressor drives. The belt tension is a function of the pulley sizes and ratio, along with the A/C power consumption. It is important that service personnel are aware of the designed belt tension for each bus and keep the belt tensioned properly (Figure 10-3).

Belt Tension Procedure:

Engine Belt

1. Loosen the four 1/2-13 nylock nuts, forward and aft on compressor base.
2. Adjust the 5/8-11 screw at c/s of compressor base to achieve proper engine belt tension.
3. Tighten the four 1/2-13 nylock nuts, forward and aft on the compressor base.
4. Verify proper engine belt tension.
5. Engine belt tension is 330 – 360 ft-lb.
6. For a new belt, the tension must be initially set to 150% of listed "running" tension. The bus should be operated with the A/C on for 15 minutes and the tension should be checked and reset to the running tension if necessary.

Alternator Belt

1. Loosen the 1/2-13 nut on the adjustment screw.
2. Loosen the two 7/16-14 bolts on Alternator adjustment plate.
3. Adjust 1/2-13 alternator adjustment screw until proper belt tension of 250 - 280 ft lb is achieved.
4. Tighten the two 7/16-14 bolts on Alternator adjustment plate.
5. Tighten the 1/2-13 nut on the adjustment screw.
6. Verify alternator belt tension.

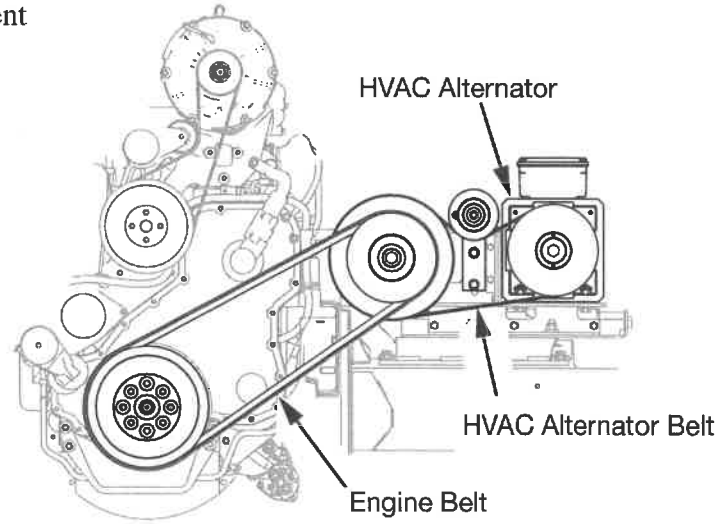

Figure 10-3, HVAC Belts