



Powering Business Worldwide

 BACKED BY
Roadranger
 SUPPORT

Subject: Transmission Main Case – Oil Cooler Port Thread Change

Document Number: TAIB-0864

Date: June 12, 2017

Updated: 06/18/2018

Change Description: Transmission main case oil cooler ports have been changed from 1/2" pipe thread to 3/4" straight threads on the following new production transmissions and service main cases.

Affected Models:

Model	Previous Main Case	New Main Case	Change Date
UltraShift PLUS 8LL	4306099	4308757	10/2016
UltraShift PLUS 9ALL	4306101	4308768	
UltraShift PLUS 13/18	4306036	4308733	11/2016
UltraShift PLUS 13	4308697	4308734	
UltraShift PLUS 18	4308681	4308774	
FR-Series	4302071	4308739	12/2016
Fuller Advantage	4308354	4308769	05/2017
	4308355	4308770	
	4308356	4308771	
	4308679	4308772	
RTLO - 18	4305810	4308741	06/2017
RTLO - 9/13	4308018	4308749	
RT, RTX - 8L/9	20500	4308735	
RTLO - 13	4305811	4308742	
RTLO - 713	4301715	4308751	08/2017
RTLO - 718	4300898	4308750	
RTLO - 718	4302673	4308740	
RTO - 908LL	4303361	4308754	10/2017
RTO - 7 & 909MLL	4302440	4308766	
RTO - 909ALL	4304731	4308767	
RT - 908LL/RTX-709	21528	4308760	
RT - 915	4303355	4308753	12/2017
RT - 715/915	21525	4308759	

Field Strategy: Below are three options for connecting pipe thread cooler fittings to a transmission main case with straight thread cooler ports.

Option 1: Adaptor fittings can be placed between the straight thread main case and pipe thread cooler fitting. This option offers the easiest and most cost effective way to accomplish this conversion.

- Eaton Weatherhead part number **C3269X8X8** (or equivalent).
- Find a [local Weatherhead distributor](#)

Option 2: Replace pipe thread fittings with straight thread fittings. Below is the part number conversion chart for this change.

1/2" Pipe Thread	3/4" Straight Thread	Description
4301123	4308701	90 degree elbow – male (1.50" length)
4308264	4308702	90 degree elbow – male (2.25" length)
4304076	4308703	90 degree elbow – male (2.90" length)
19419	4308704	Straight connector (1" hex / 1.64" length)
19837	4308705	Straight connector (7/8" hex / 1.48" length)
4308259	4308706	45 degree elbow - male
17007	4308707	90 degree elbow - female

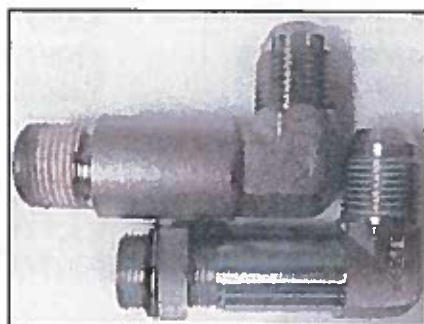
Option 3: Bolt-on adapter blocks kits allow pipe thread cooler fittings to be used on main cases with straight threads

Adapter Block: 3/4" straight thread main case to 1/2" NPTF fittings

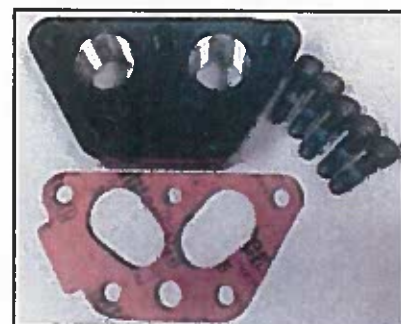
- **K-4293 / RT-Series**
- **K-4301 / FR-Series**



Option 1



Option 2



Option 3

The material contained in this bulletin is product improvement information. Eaton Corporation is not committed to, or liable for, canvassing existing products. FSUD: 2017-FSUD-2498