



**Subject:** Transmission Main Case – Oil Cooler Port Thread Change

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**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       |             |
| UltraShift PLUS 10 LAS | 4306554            | 4308747       | 06/2017     |
|                        | 4306553            | 4308746       |             |
| 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 with the following link:  
<http://web2.fluidpower.eaton.com/DistributorLocator/DistributorLocatorHyd.aspx>

**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                     |

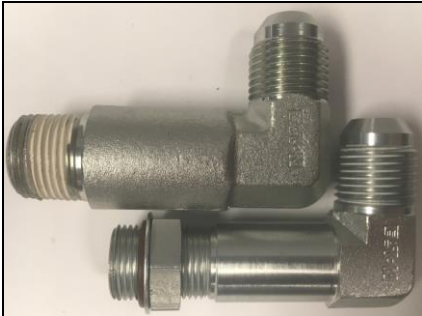
**Option 3:** Bolt-on adapter blocks kits allow pipe thread cooler fittings to be used on main cases with straight threads.

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

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