



# Technical Service Information

## FORD E40D NO FLOW TO COOLER, AFTER REBUILD

**CHANGE:** After rebuild, *your E40D transmission is* returned with premature planetary failure due to a lack of lubrication, *or* if you checked lube flow before delivery, you find zero lube flow, and zero flow from the front “To Cooler” fitting.

**REASON:** The cause may be, m&match of stator shaft and pump cover creating a totally blocked “To Cooler” passage in the pump cover.

### PARTS AFFECTED:

Install the proper stator shaft into the proper pump cover. The differences are as follows:

**(1) 89-94 MODELS** - Have a relief (Notch) cut into the pump cover on the inside diameter, where the stator shaft presses into the cover, creating a passage for converter apply oil to get into the “To Cooler” passage in the pump cover. Refer to Figure 1.

**(2) 95-96 MODELS** - The relief (Notch) cut in the pump cover was eliminated from the cover, and the relief (Notch) cut was added to the stator shaft (See Figure 2).

**(3)** If for any reason, it becomes necessary to install a different stator shaft into your pump cover, you must ensure that you are installing compatible parts.

**89-94 Model** pump cover with notch, **MUST** be used with the stator shaft without notch. Refer to Figure 1.

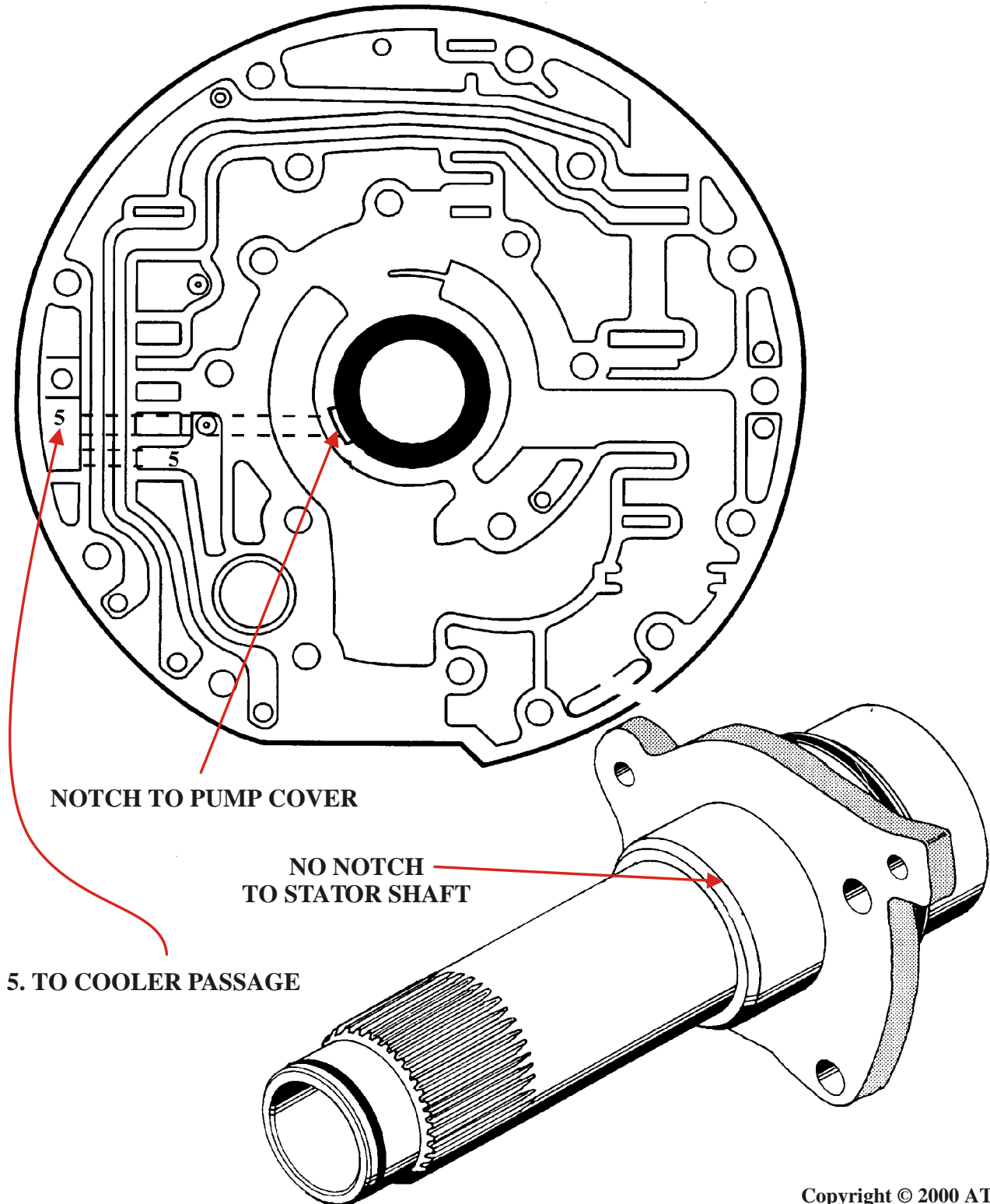
**95-96 Model** pump cover without notch, **MUST** be used with the stator shaft with notch. Refer to Figure 2. If you install a 89-94 stator shaft without notch, into a 95-96 pump cover without notch You will create a totally blocked “To Cooler” passage in the pump cover. Refer to Figure 3.

### SERVICE INFORMATION:

Reverse Clutch Piston (New Design) .....	F6TZ-7D402-A
Reverse Piston Outer Lip Seal (Package of 3) .....	F6TZ-7D403-A
Reverse Piston Inner Lip Seal (Package of 3) .....	F6TZ-7D404-A
Reverse Piston Return Spring Assembly (New Design) .....	F6TZ-7D406-A
Reverse Clutch Cushion Spring .....	F6TZ-7D085-A

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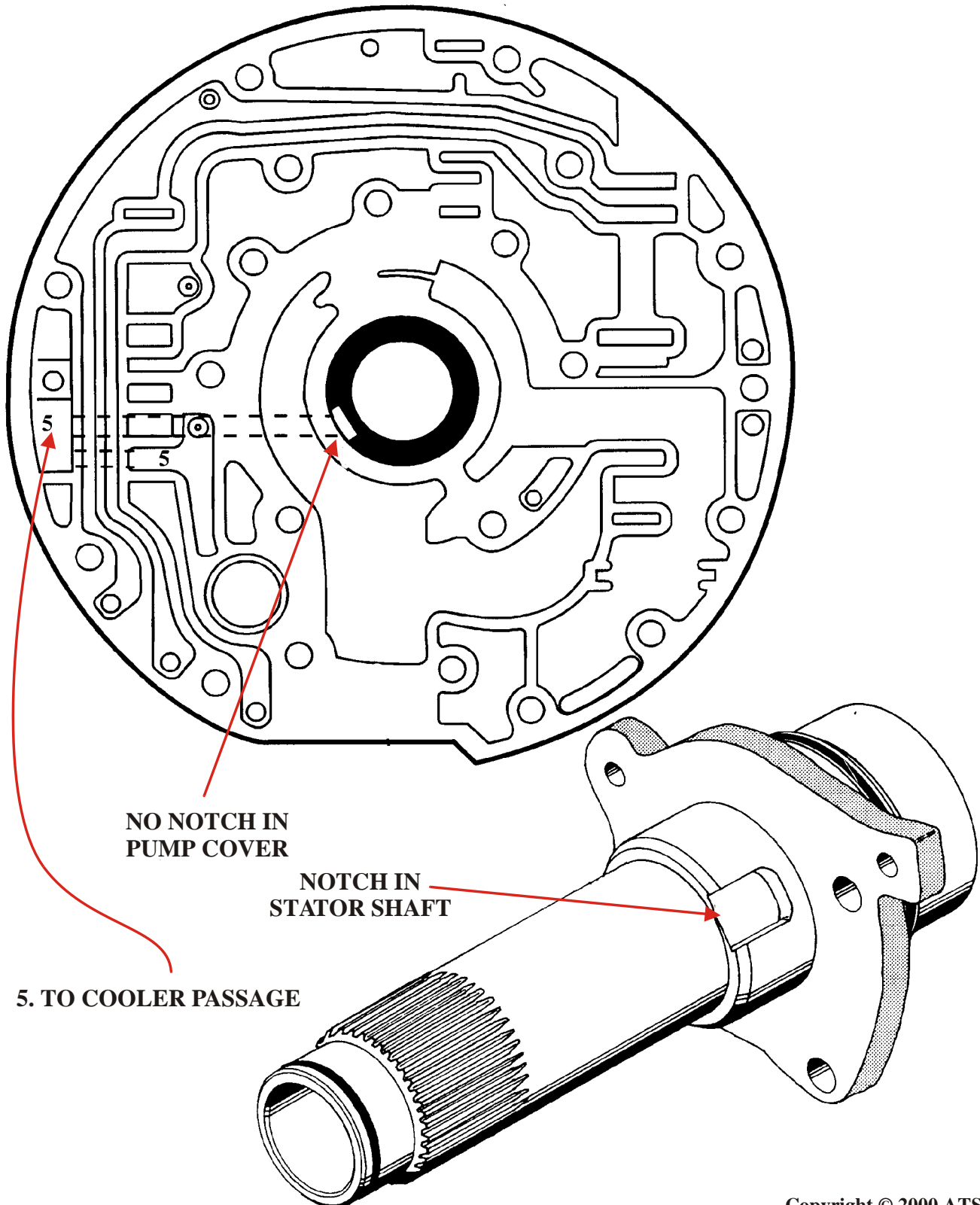
**1989 - 1994 PUMP STATOR (WITHOUT NOTCH)**  
**1989 - 1995 PUMP COVER (WITH NOTCH)**



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Figure 1

## 1995 - 1996 PUMP STATOR (WITH NOTCH) 1995 - 1996 PUMP COVER (WITHOUT NOTCH)

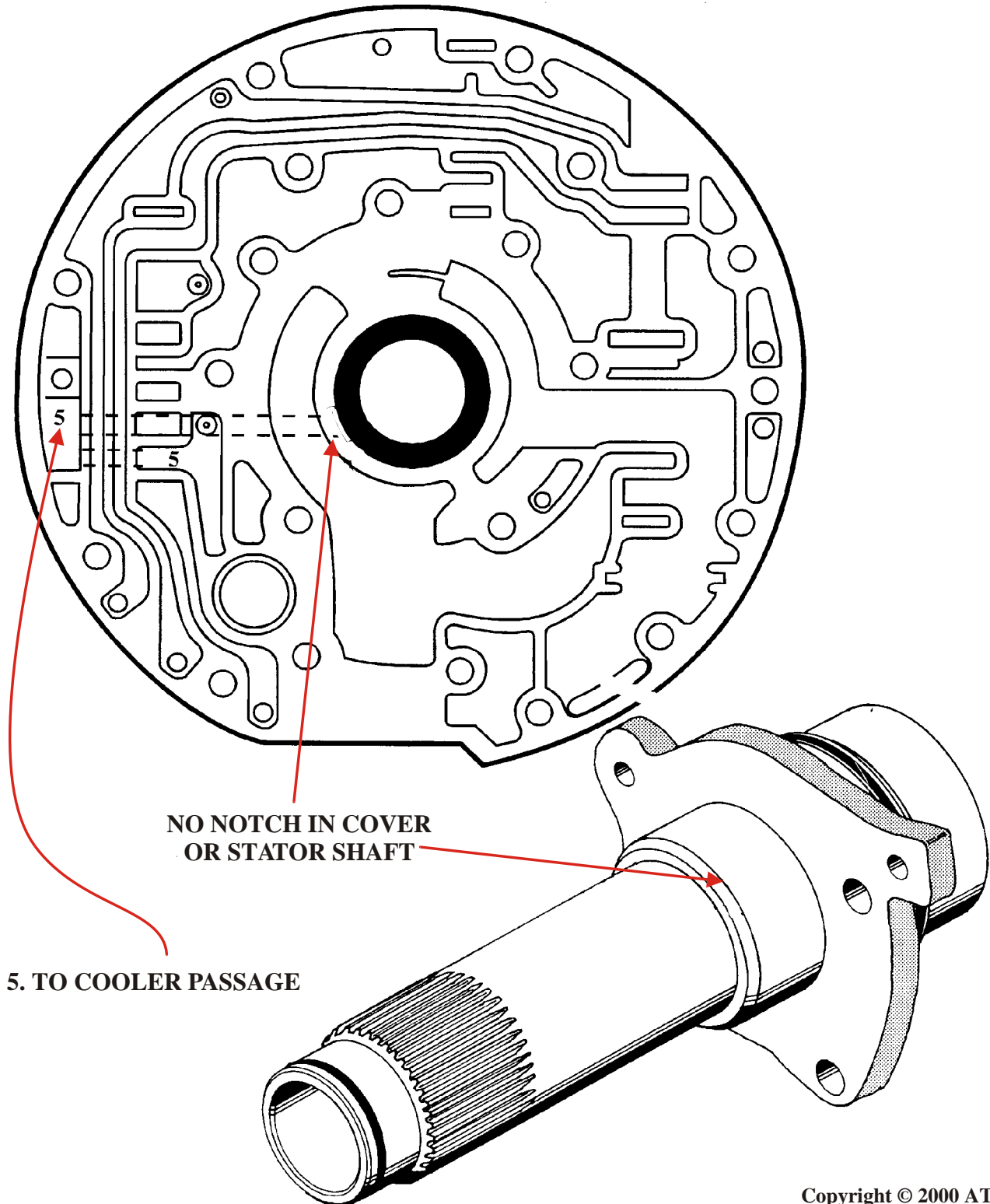


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Figure 2

## ***INCORRECT ASSEMBLY***

**1989 - 1994 PUMP STATOR (WITHOUT NOTCH) WITH  
1995 - 1996 PUMP COVER (WITHOUT NOTCH)  
WILL CAUSE TOTAL BLOCKAGE TO COOLER PASSAGE**



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Figure 3