

Technical Service  
Bulletin Number

TSB100472

Revision Level

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## Technical Service Bulletin

### Subject

New Thermostat and Revised Thermostat Housing

Original Topic Number: 06t8-16.

### Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

### Contents

This Technical Service Bulletin announces the release of a new thermostat for B Series, non-Chrysler engines and describes a change to the thermostat housings.

The thermostat, Part Number 3972071, obsoletes and supersedes previous thermostats, Part Numbers 3287754, 3917324, and 3283589. The new thermostat has a 2-jiggle-pin design for venting the coolant system compared to the previous 3-jiggle-pin design. This change was made to communize parts across engine platforms. The new thermostat is available to purchase separately or in kit form, Part Number 3802968 .

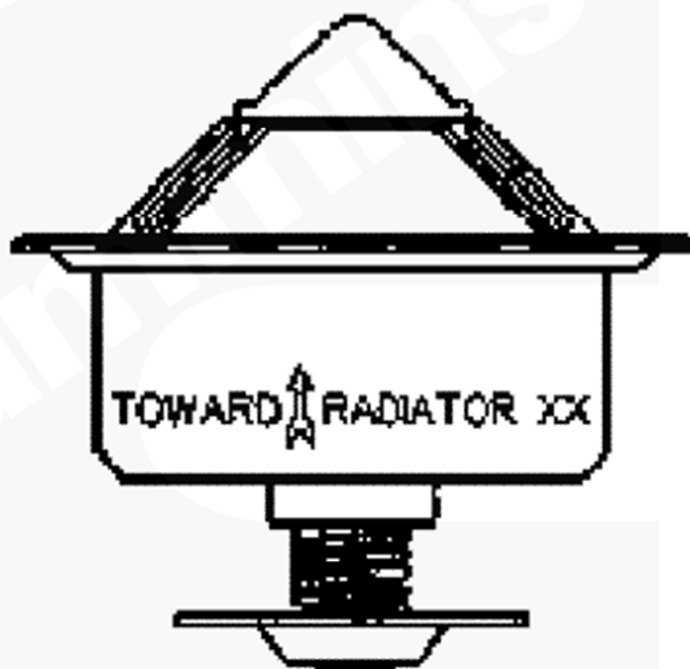
**NOTE: This is a product improvement and is not subject to campaign.**

Thermostat Kit, Part Number 3802968 Part Numbers	
Part Number	Description
3972071	Thermostat
3920336	Template, thermostat

Thermostat Kit, Part Number 3802968 Part Numbers	
Part Number	Description
3923331	Gasket, thermostat housing

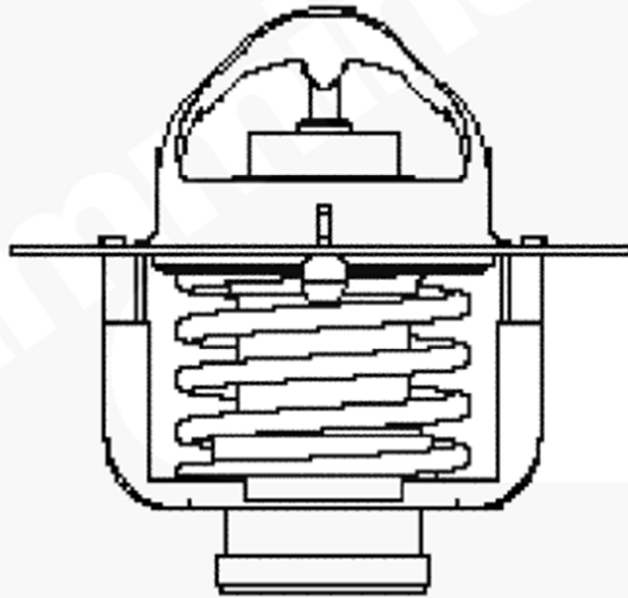
Since the jiggle-pin design of the thermostat has changed, the jiggle pins are located closer to the outside diameter of the thermostat. This change has introduced a possible interference issue between the jiggle-pins and the cast inner bore of the thermostat housings. To eliminate this interference issue, the thermostat housings were changed to include a machined chamfer (1) on this inner bore.

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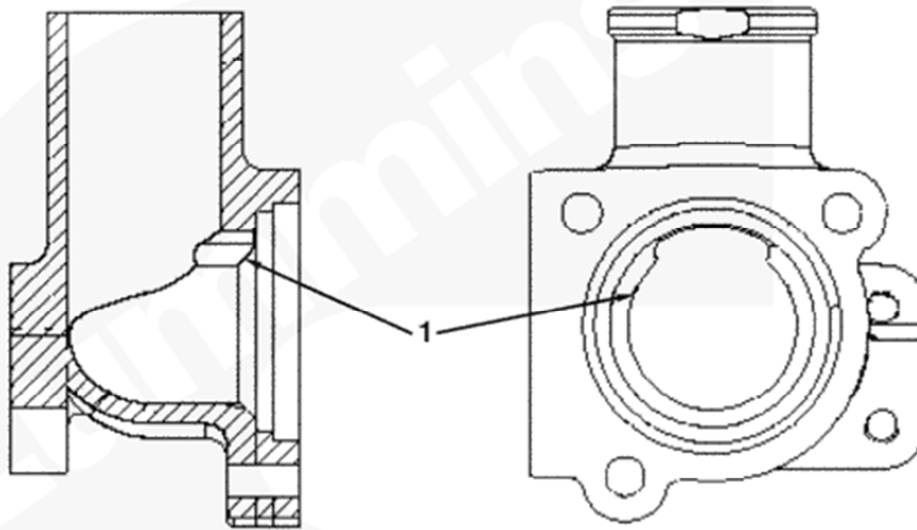
Old Thermostats



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New Thermostat, Part Number 3972071

The part numbers for the thermostat housings did **not** change with the introduction of the chamfered inner bore; therefore, visual inspection of the thermostat housing with the thermostat removed is the **only** way to identify if the housing has the machined chamfer (1).



#### Thermostat Housing Part Numbers 3285102, 3285103, 3287569, and 3914414

The new thermostat is compatible with the non-chamfered housings, but caution **must** be taken when installing the thermostat to make sure the jiggle pins do **not** interfere with the housing. Interference could cause air venting issues when the cooling system is filled, or cause engine overheating complaints, since the thermostat will **not** be fully seated in the housing.

When installing the thermostat into a non-chamfered housing, make sure the two jiggle pins are orientated in the 12 o'clock and 6 o'clock positions. This will eliminate the interference issue and help to make sure the thermostat is properly seated in the housing. This is especially important on non-positive deaeration cooling systems which do **not** have a dedicated vent and fill line connection from the radiator to the engine. On these systems, the jiggle pins in the thermostat are the **only** method of venting air from the cooling system during the fill procedure.

### **WARNING**

Do not remove the pressure cap from a hot engine. Wait until the coolant temperature is below 50° C [120° F] before removing the pressure cap. Heated coolant spray or steam can cause personal injury.

After filling the cooling system, operate the engine until it reaches a temperature of 82°C [180°F] and check for coolant leaks. Check the coolant level again to make sure the system is full of coolant or that the coolant level has risen to the hot level in the recovery bottle on the system, if so equipped.

**Last Modified: 14-Jun-2006**