MERCURY MerCruiser **service bulletin**

☐ WARRANTY INFORMATION ☑ SERVICE INFORMATION
☐ PARTS INFORMATION

**Bulletin No. 2002-09**
**OEM No. 2002-04**

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# Lack of Serpentine Belt Adjustment

## Models Affected

MCM V6 4.3L/V8 5.0L, 5.7L, 6.2L Sterndrive engines: S/N 0M320025-0M343008.

MIE 5.7L Carb Tow Sports engines: S/N 0L678785-0L679322.

MIE 350 MPI Tow Sports engines: S/N 0M310022-0M312139.

MIE Black Scorpion-5.7L Tow Sports engines: S/N 0L678037-0L679433.

MIE Black Scorpion-6.2L Tow Sports engines: S/N 0L679131-0L679177.

MIE 5.7L Carb Inboard engines: S/N 0L677227-0L679322.

MIE 350 MPI Inboard engines: S/N 0L678399-0M312139.

MIE 6.2L Inboard engines: S/N 0M310100-0M312049.

***NOTE:*** *MCM models with Compact Hydraulic Steering or the second engine in dual engine boats were the Power Steering Pump has been removed will not experience this condition.*

## Situation

The serpentine belt adjustment pinion may be at or near the end of its travel. If that is the case, the belt may not be capable of being properly adjusted.

The engines listed in the serial number ranges above were produced with a 76 mm (3 in.) diameter pulley.

The use of a 108 mm (4-1/4 in.) diameter pulley (outlined below) will give a better range for belt adjustment.

***NOTE:*** *Production started to install the 108 mm (4-1/4 in.) diameter pulley on engines starting at the last S/N listed for each model.*

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## Correction

If you have this condition, order a new 108 mm (4-1/4 in.) diameter pulley and install it at the location outlined for the type of engine being worked on.

***NOTE:*** *The pulley to be changed is used for different functions between MCM and MIE engines. Refer to type A or B for the engine being worked on to determine which pulley to change.*

A. MCM Sterndrive engines: Change the serpentine belt adjustment pinion pulley. It is located on the upper, right side when looking at the belt from in front of the engine.

B. MIE Tow Sports and Inboard engines: Change the serpentine belt idler pulley. It is located on the upper, right side when looking at the belt from in front of the engine. Do not change the belt adjustment pinion pulley. It is located on the upper, left side and remains a 76 mm (3 in.) diameter pulley.

After changing the pulley, adjust the belt so that it can be depressed 6 mm (1/4 in.) at the midway point between the 2 pulleys with the longest distance between them.

## Part Numbers

Qty 1 P/N 864625T Pulley, 108 mm (4-1/4 in.) diameter.

If the serpentine belt is damaged, order the correct belt from the list below.

Qty 1 P/N 57-863876 4 Serpentine Belt, Alpha V6 4.3L, V8 5.0L, 5.7L.

Qty 1 P/N 57-863876 3 Serpentine Belt, Bravo V6 4.3L, V8 5.0L, 5.7L, 6.2L.

Qty 1 P/N 57-863876 5 Serpentine Belt, all Tow Sports and Inboard V8 5.7L, 6.2L.

## Warranty

Submit a warranty claim through your normal warranty-processing channel.

Warranty Code and Labor: MC21 0.3 Hours.

Uniform Failure Observation (UFO) Code: 699 - 01

Old Part. USA and Canada: Scrap old pulley.

International: Retain for disposition by a Marine Power representative.

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