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PCM Calibration Requirements for SmartTow or Cruise Control Models Affected

Models Covered	Serial Number
5.0L MPI, 350 Mag MPI, MX 6.2 MPI Sterndrive DTS Models	0W650000 through 0W667096
496 Mag Sterndrive DTS Models	0W650000 through 0W660726
5.0L MPI, 350 Mag MPI, MX 6.2 MPI Inboard DTS Models	0W690000 through 0W692272
8.1L Inboard DTS Models	0W690000 through 0W691513

Situation

The Propulsion Control Modules (PCM) installed on engines listed in the above serial number ranges are not compatible with the Mercury SmartTow or Cruise Control features. Failure to upgrade the PCM software when installing the SmartTow Tachometer version 3.05 and 3.05a can cause an unexpected throttle response.

Correction

When installing a SmartTow Tachometer (or other future Mercury systems that control engine speed or launch), review the serial number ranges listed above. If the engine serial number falls in the above range, the PCM must be re-flashed or replaced. The following table lists the old (incompatible) calibration part number, the new (compatible) calibration part number, model application, and the new service part number:

Old Calibration	New Calibration	Model Application	Service Part Number
8M2002309	8M2003477	5.0L MPI Bravo DTS	866236T04
8M2002310	8M2003478	5.0L MPI Bravo DTS with closed cooling	866237T04
8M2002311	8M2003479	350 Mag MPI Bravo DTS	866238T04
8M2002312	8M2003480	350 Mag MPI Bravo DTS with closed cooling	866239T04
8M2002313	8M2003481	350 Mag MPI DTS Inboard	866240T05
8M2002314	8M2003482	350 Mag MPI DTS Inboard with closed cooling	866241T05
8M2002315	8M2003483	MX 6.2 MPI Bravo DTS	866242T05
8M2002316	8M2003484	MX 6.2 MPI Bravo DTS with closed cooling	866243T05
8M2002317	8M2003485	MX 6.2 MPI DTS Inboard	866244T05
8M2002318	8M2003486	MX 6.2 MPI DTS Inboard with closed cooling	866245T05
8M2002319	8M2003487	496 Mag Bravo DTS	866361T07
8M2002320	8M2003488	8.1S Horizon DTS Inboard	866362T08

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Old Calibration	New Calibration	Model Application	Service Part Number
8M2002321	8M2003489	496 Mag HO Bravo DTS	866363T05
8M2002322	8M2003490	8.1S HO DTS Inboard	866364T05

Warranty

USA: Mercury Marine will credit the dealer for the cost of parts and labor to install the new PCM. Submit a warranty claim through your normal warranty-processing channel. Provide the following information/documentation.

- MerCruiser serial number
- Flat Rate Code and Labor – SB05.
- Part Code – 731
- Failure Code – 00
- Proof of purchase of a SmartTow Tachometer.
- Return old parts to MerCruiser Warranty.

International

- **International:** Follow instructions issued by your Marine Power International office or by your distributor.
- **Canada:** Contact Mercury Canada Technical Support (phone: 905.816.4751, fax: 800.663.8334) referencing this service bulletin. You may be asked to return the PCM to your nearest distribution center for a no-charge reflash upgrade. If this is not practical, request a Pre-Authorization to purchase an exchange PCM with the correct calibration will be provided.

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