

SERVICE BULLETIN

HONDA MARINE

OUTBOARD MOTOR #61

REVISED DECEMBER 2007

BF75D • BF90D UNSTABLE ENGINE RPM

SYMPTOM

The engine surges when the throttle is held steady between 2000 and 3000 rpm. Also, erratic engine rpm can be noticed while accelerating in the 3500 to 4500 rpm range.

AFFECTED UNITS

MODEL	FRAME SERIAL NUMBER RANGE
BF75D	BBAJ-1000001~1002297
BF90D	BBCJ-1000001~1006008

CORRECTIVE ACTION

The ECM air/fuel programming may cause the engine to surge at various engine speeds. A new ECM is available that has revised programming to stabilize the engine speed through the entire rpm range.

The new ECM will have the new part number label on it (see Parts Information).

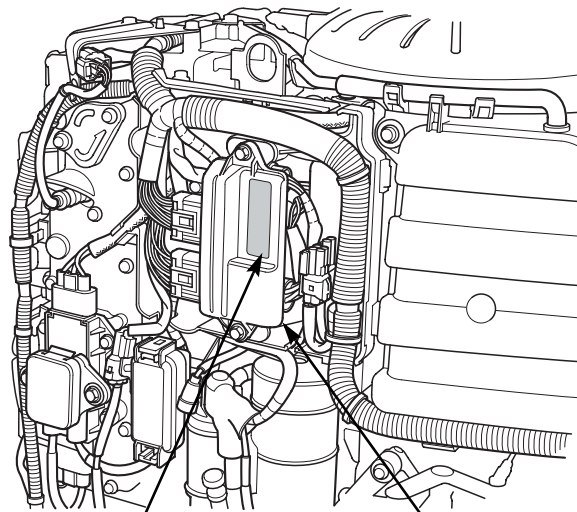
The symptoms listed above can also be caused by incorrect throttle linkage adjustment or improper propeller selection. Before proceeding, verify that the engine operates at the upper limit of the specified full-throttle rpm range (WOT) under normal operating conditions.

Specified full-throttle range:

BF75D	5,000 ~ 6,000 rpm
BF90D	5,300 ~ 6,300 rpm

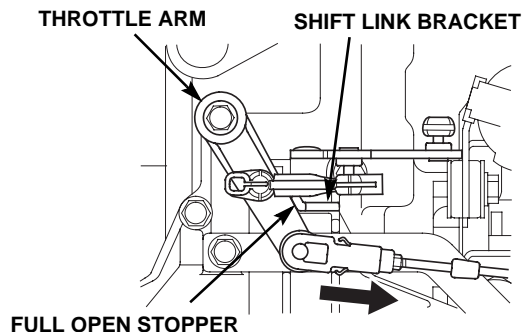
- Check that the throttle arm is in contact with the full open stopper of the shift link bracket when the gear shift lever is in the full open position.
- Check that the correct propeller is selected for the type of boat and its expected usage and loading.

If the above conditions are met and the engine surge is still present, install a new ECM following the procedure starting on the next page.



ECM PART
NUMBER LABEL

ECM programming may cause the engine to surge at various rpm ranges.

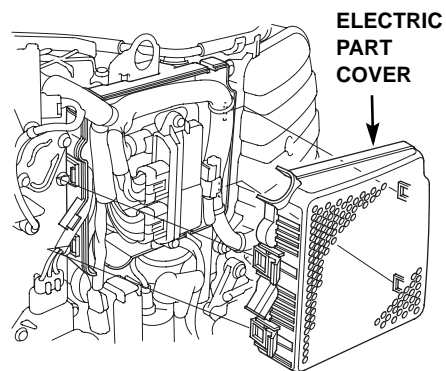


NEW

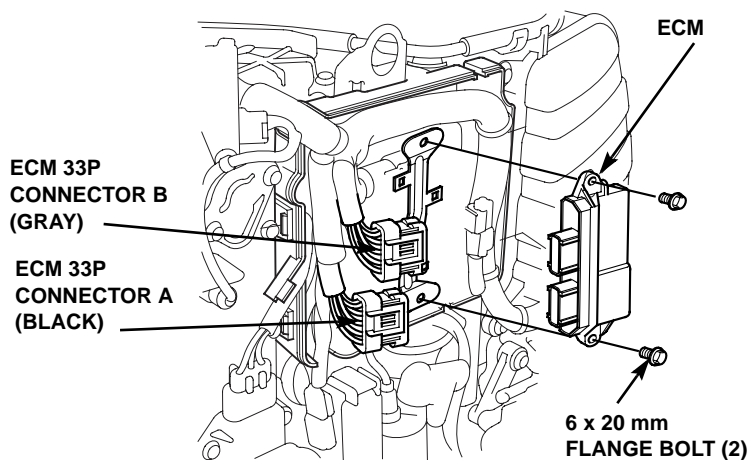
CONSUMER INFORMATION: The information in this service bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely service and repair your Honda outboard motor. These procedures should not be attempted by "do-it-yourselfers," and you should not assume that this bulletin applies to your equipment, or that your outboard motor has the condition described. To determine whether this information applies, contact an authorized Honda Marine dealer.

INSTALLATION

1. Remove the engine cover.
2. Remove the electric part cover.



3. Disconnect the 33P connector B (gray) and the 33P connector A (black) from the ECM.
4. Remove the two 6 x 20 mm flange bolts and the ECM.
5. Install a new ECM in the reverse order of its removal.
6. Install the electric part cover.
7. Install the engine cover.



PARTS INFORMATION

Order parts through your normal parts ordering procedures.

Description	Qty.	Part Number	Honda Code
ECM (BF75D)	1	34750-ZY9-013	8813438
ECM (BF90D)	1	34750-ZZ0-023	8813446

WARRANTY INFORMATION


In warranty: The normal warranty applies.

Out of warranty: Any repair performed after warranty expiration may be eligible for goodwill consideration. Please contact Techline or your District Service Manager. You must request consideration and receive a decision before starting work.

VIN Information

VIN Prefix	Affected Serial Number Range	Model
BBAJ	1000001~1002297	BF75D
BBCJ	1000001~1006008	BF90D

Be sure the warranty claim contains the following information:

 Dealers:
<ul style="list-style-type: none"> • Select <i>Service Bulletin</i> claim type. • Enter VIN information. • From the <i>Service Bulletin</i> drop down menu, select OB061 for the appropriate model and repair.

NEW

All others:
Defect Code: 03217 Labor Operation Number: 614100 Flat Rate Time: 0.5 Failed Part: 34750-ZY9-003 (BF75D) 34750-ZZ0-013 (BF90D)

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