

SMB, Briggs & Stratton Engine M31, M145-97T, M145-107T, M185-107T, M145-97TC, M155-107TC, M185-10TC, 2015-11

Affected models

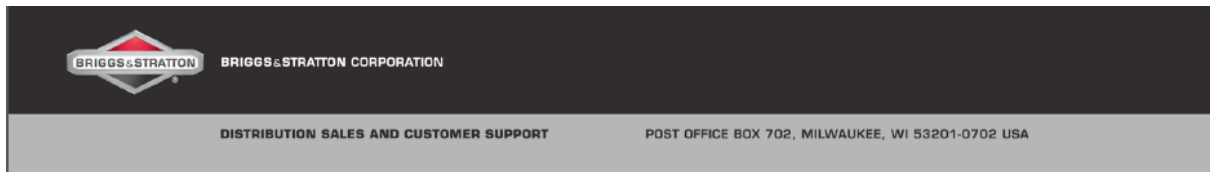
Model	PNC
M145-97T	960 41 03-77
M145-107T	960 41 03-36
M185-107T	960 41 03-78
M145-97TC	960 51 00-63
M155-107TC	960 51 00-65
M185-107TC	960 51 00-67

Affected serial number(s)

From 2015 →.

Description

Please see below copied SB from Briggs & Stratton. It is only the engine platform **M31** that is concerned.

Action**SERVICE BULLETIN**

TO: BRIGGS & STRATTON AUTHORIZED SERVICE DEALERS
BULLETIN: DSB-1045
DATE: NOVEMBER 2015
SUBJECT: HARD CRANKING
MODEL: 310000, 330000 OHV VERTICAL SHAFT
SERIAL NUMBER: 20150101xxxxx THROUGH 20150131xxxxx

- ACTION REQUIRED
 - IF ENCOUNTERED
 - INFORMATION ONLY

- ENGINE
 - EQUIPMENT
 - BOTH

CONDITION:

We have received limited reports of hard cranking on subject engines / serial numbers, typically within the first few hours of operation. Upon evaluation we determined that the compression release flyweight on the cam gear had failed, preventing the compression release from operating.

CORRECTIVE ACTION:

If encountered, ensure that the starting battery is fully charged and in good operational condition, and that valve clearances are within specification - intake 0.003" - 0.005" (.08- .13 mm) exhaust 0.005" - 0.007" (.13-.18 mm). Correct as necessary. If battery and valve clearances are found to be within specification, then remove and replace Cam Gear (service P/N 793880) and install per normal service procedures.

WARRANTY:

File a warranty claim per normal guidelines. This repair can typically be completed in 1 hour and 15 minutes or less. Engine removal and replacement time is additional, but must conform to the equipment manufacturer's time allowance. When filing a warranty claim, enter Key Part Category (Valve Train), Key Part (Camshaft/Cam Gear), and Condition Code (SP) in the equipment section of the claim.

BRIGGS & STRATTON
Distribution Sales & Customer Support

Parts information

New part no.	Part description	Old part no.
N/A	N/A	N/A

Warranty reporting

Warranty type:	No Warranty claims accepted (need to go through B&S)
Residual stock:	N/A
Component code:	N/A
Defect code:	N/A
Warranty report text:	SMB M1500001
Time units (6 minutes):	N/A
Affected markets:	All

Additional information


BRIGGS & STRATTON CORPORATION

ENGINES GROUP

Compression Release Corrective Action Model 31 and Model 33

- Customer feedback from engines built in January 2015 indicated an increase in compression release flyweight failures. Analysis of failed components identified an area of low density on the flyweight. B&S worked with the supplier to trace the issue back to one production lot that was used during January. The supplier updated their Control Plan to improve their process controls.
- B&S worked with the supplier to improve density and strength in the "D" area of the flyweight. "Torque to fail" testing indicated a 50% improvement with the higher density.

Normal Flyweight

Broken Flyweight
