

STIHL

- 1) If the Control Module is replaced
- 2) If the Carburetor or Solenoid Valve is replaced
- 3) If the Engine Management screen is showing the fuel flow values are out of the green area. FIRST IDENTIFY AND FIX THE ISSUE THEN RECALIBRATE (For Example: seal leak, fuel system issue, air filter condition, etc.)

### **ORIGINAL CALIBRATION PROCESS**

- 1) Start Unit in ▲ "triangle" cold start position
- 2) Allow unit to run in  $\blacktriangle$  "triangle" position for 60 to 90 seconds
- 3) Immediately turn unit off
- 4) Restart and allow unit to idle for 60 seconds
- 5) Make 5 consecutive cuts
- 6) Turn off machine





# Announcing M-Tronic Gen. 3 ... Technical Information Bulletin *TI 14.2017*



Confidential

# **MS 362C-M M-Tronic Generation 3.0**

- Serial Number 183 609 631 and greater
- Bryan Equipment has been shipping since <u>approximately</u> November 2017
- Generation 3.0 Software is on Control Module
  - NEW Gen 3 Control Module: 1140 400 4707
  - NEW CALIBRATION PROCESS FOR GEN 3 MODULES

#### **GENERATION 3.0 CALIBRATION PROCESS**

- 1) Set the Master Control lever to  $\blacktriangle$  "triangle" cold start position
- 2) Engage the chain brake
- 3) Start the engine without pressing the throttle trigger.
  - The engine is running and the Master Control lever remains in ▲ "triangle" position
- 4) Allow the engine to run for 45 seconds without pressing the throttle trigger
- 5) Release the chain brake
- 6) Press the throttle trigger to "WOT" for at least 30 seconds and keep holding trigger down
- 7) The engine will accelerate and the saw chain revolves. The engine speed will fluctuate and increase significantly during the calibration. After 30 seconds the engine is calibrated.
- 8) Allow unit to come down to idle and then shut off



1140 400 4707



# Announcing M-Tronic Gen. 3 ... Technical Information Bulletin *TI* 61.2017



- Serial Number 183 981 428 and greater
- Bryan Equipment has been shipping since <u>approximately</u> April 2018
- Generation 3.0 Software is on MS 661 Control Modules
  - Intro Gen 3 Control Module: 1144 400 4703 introduced with black valve (April 2018)
    - Can install white valve with 1144 400 4703 module with no issues
  - Current Gen 3 Control Module: 1144 400 4704 introduced with white valve (July 2018)
  - NEW CALIBRATION PROCESS FOR GEN 3 MODULES

#### **GENERATION 3.0 CALIBRATION PROCESS**

- 1) Set the Master Control lever to  $\blacktriangle$  "triangle" cold start position
- 2) Engage the chain brake
- 3) Start the engine without pressing the throttle trigger.
  - The engine is running and the Master Control lever remains in ▲ "triangle" position
- 4) Allow the engine to run for 45 seconds without pressing the throttle trigger
- 5) Release the chain brake
- 6) Press the throttle trigger to "WOT" for at least 30 seconds and keep holding trigger down
- 7) The engine will accelerate and the saw chain revolves. The engine speed will fluctuate and increase significantly during the calibration. After 30 seconds the engine is calibrated.
- 8) Allow unit to come down to idle and then shut off



1144 400 4704



1144 400 4703

"4702" is inscribed on 4703 module





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# MS 661 with Gen 3 M-Tronic



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- In production >183 981 428.
- See TI 61.2017
- Identifying mark is "M3.0" on rear handle label.
- However, due to a problem in production, old labels (without the "M3.0") were applied for initial 3 weeks of production.
  - Issue is now resolved.





#### **Calibration Videos** found on BryanEquipment.com: STIHL

Training / Training Resources / Training Videos / Scroll down to Service



How to Adjust Carburetors using the MDG1 8:59

Tronic Saws Jan 2018

0:48

How to Calibrate the Original STIHL M Tronic Saws 2:57

## **M-Tronic Solenoid Valve Repair Solution For:**

Technical Bulletin expected in future announcing a "KIT PN" for valve and filter

# MS 362C-M



- Replace <u>failed</u> BLACK valve with WHITE valve (0000 120 5104).
  - Additionally, install new orange mesh fuel filter (0000 350 3518). Finer filtration
  - Calibrate the unit.
  - Calibration process is determined by which control module is on the machine.



0000 120 5104



0000 350 3518





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## **M-Tronic Solenoid Valve Repair Solution For:**

Technical Bulletin expected in future announcing a "KIT PN" for valve, filter, & module

# MS 661C-M



Replace <u>failed</u> BLACK valve with WHITE valve (0000 120 5104).

- Additionally,
  - Install new control module with Gen 3.0 software (1144 400 4703 or 4704).
- And install new orange mesh fuel filter (0000 350 3518). Finer filtration
- Calibrate the unit.
- Calibration process is New STIHL Gen 3.0 procedure.



0000 120 5104



0000 350 3518







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### NOT FOR USE ON THE FOLLOWING SAWS:



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0000 120 5104 White Valve is <u>NOT</u> to be used on the following chain saws: MS201C-EM, MS201TC-M, MS241C-M, MS261C-M, MS441C-M



### Chain Saw Out Of Warranty Time Period: Policy Adjustment Claim



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Claim Information	Customer Information
Claim 0002603101 Number	First Name
Claim Date 10/15/2018	Last Name Big Oak Tree Service
Claim Type Policy Adjustment	Street Address 1 456 Line Clearing Ave
Dealer M3	Street Address 2
Reference Number	City Oakwood
Last Modified 10/15/2018 [14:03:29]	State OH V
	Country UNITED STATES
Claim History	Postal Code 22#45
90258 KenM 10/15/2018 1/4-03:291	
8 900258 KenM 10/15/2018 [14:03:29]	Dealer Information
	457 Wards Corner Road
	USA
	Warranty Information
	Ultra Warranty (Oll Purchased): No Expired 10/02/2016
	Extended Warranty Plan Purchased:
	None
Product Information	
Product Type Serial Number Model Dat	te Sold Primary Use Date Repaired (mm/dd/yyyy)
Chain Saws 183214880 MS661C 07/	04/2016 Logger 10/15/2018
Repair Information	
Repair Code	Repair Minute
[20] Replace solehold valve of Wertonic willing, includes diagnostic and function test.	
* Enter part replaced causing failure or major part replaced as the "Primary Part Number" and select a failure group and failure code. Additional	
parts may be entered in spaces 2-7. Do not enter duplicate pa Quantity Primary Part Number Fallura Group	rt numbers. Fallura Code
1) 1 00001205104 Fuel System	✓ Other ✓
Quantity Part Number Quantity Part	t Number Quantity Part Number
2) 1 11444004704 3) 1 000	003503518 4)
5) 6) 6	7)
Add	
100	
Please explain failure (20 character minimum)	
adjustment claim. Updated control module and fuel filter per STIHL instruction	
due to new white valve requiring these com	ponents

#### Failed/Defective Black Valve

#### **CLAIM TYPE:** Policy Adjustment

Policy Number: M3

#### **LABOR CODE:** 26 (40 minutes)



### HD2 Air Filters: changes



- Changing filter material from black to white:
  - Easier to tell when the filter is dirty.
- Adding cleaning information to filter.
- Cleaning Process: Please see TI 16.2018
  - Wash, soak in hot, soapy water for <u>10 minutes</u>.
  - Alternative to soapy water is:
    - STIHL degreaser 7010 881 9401
  - Rinse from the inside out.
  - Allow Filter to Dry and Reinstall.









