



Service Bulletin

MTX60HF/MTX70HF Fuel Flow Modification

Product Group: Rammers	Date Issued: 02/06/14	Service Bulletin No. RT20131001
Bulletin Type <input checked="" type="checkbox"/> Mandatory <input type="checkbox"/> Information Only <input type="checkbox"/> Recommended Change	Models/Series Affected: MTX60HF — V-1016 to V-1025, W-1001 to W-1050, Y-1051 to Y-1110 MTX70HF — V-1016 to V-1025, W-1001 to W-1040, Y-1057 & Y-1059	

Details
Problem: During operation, vibration causes air bubbles to rise in fuel hose disturbing the fuel flow.
Solution: To prevent from this problem, additional fuel hoses need to be installed to bleed air. Replace carburetor with wider upper jet hole for smoother fuel flow.

Parts Information (see next page)
Tools Needed <ul style="list-style-type: none">■ 5 mm Socket■ 7 mm Socket■ 8 mm Socket■ 13 mm Socket/Ratchet■ Long Nose Pliers■ Cutter■ Blade

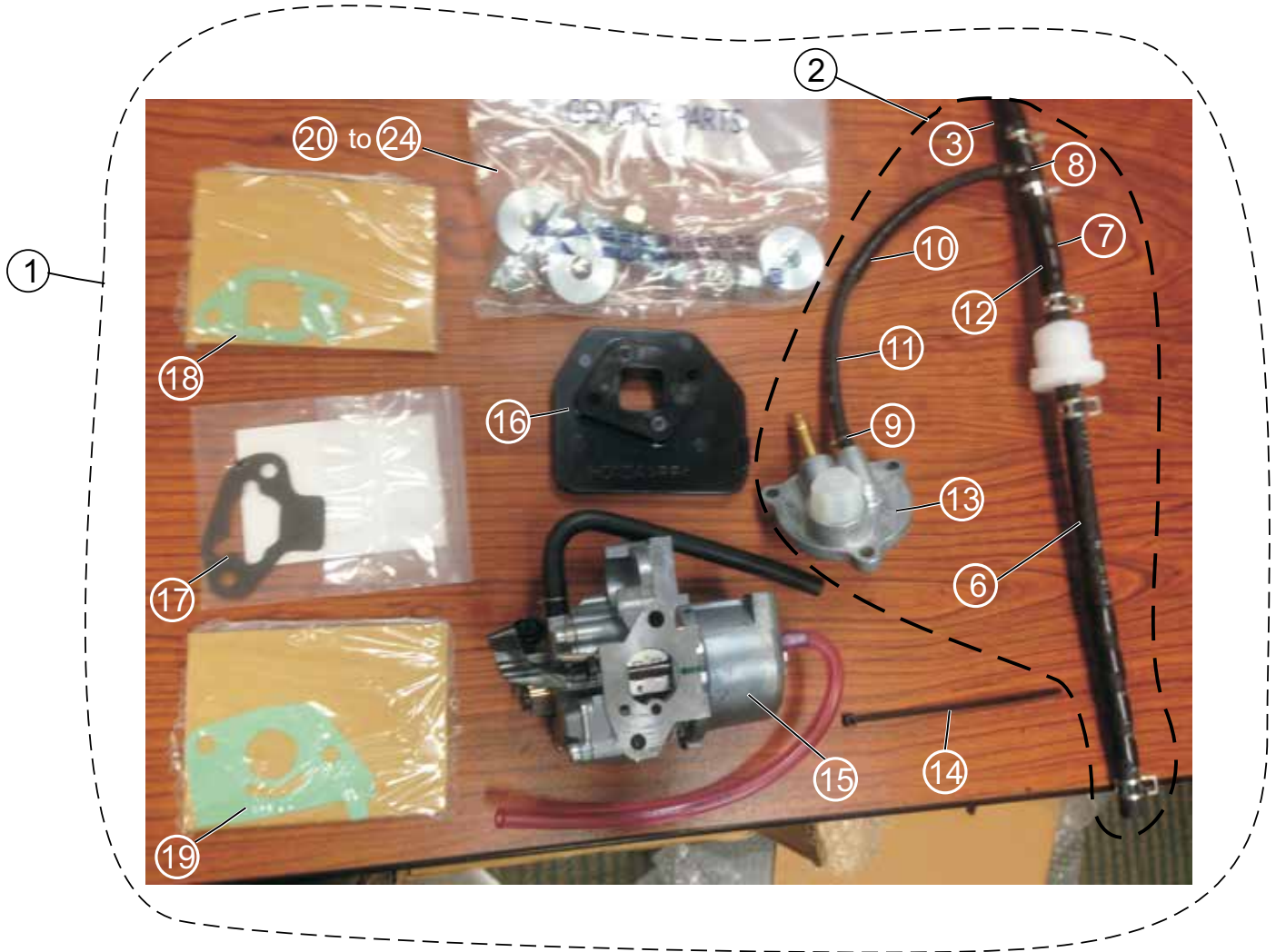


Figure 1. Carburetor/Fuel Hose Kit

Item No.	Part No.	Description	QTY.	Remarks
1	MTX60-70HFCARB	Fuel Flow Modification Kit	1	Includes items 2-24
2	366900203	Fuel Hose Assembly	1	Includes items 3-13
3	366900200	Fuel Hose, 9.5 x 50	1	
4	954408990	Hose Band	6	
5	16910GB2005	Filter, In-Line Fuel	1	
6	366900202	Fuel Hose, 9.5 x 180	1	
7	366900201	Fuel Hose, 9.5 x 70	1	
8	954002941	Joint, Hose	1	
9	954408170	Hose Clip	2	
10	959021825	Spiral Tube, D=6 L=60	2	
11	959028321	Fuel Hose (Return) 6 x 180	1	
12	959021821	Spiral Tube, D=6 L=120	1	

Item No.	Part No.	Description	QTY.	Remarks
13	366350580	Filter Holder	1	
14	454010020	Tie Wrap	1	
15	16100Z4EF1	Carburetor Assy #95	1	
16	16211Z0D010	Insulator	1	
17	17228Z0DV21	Gasket, Air Cleaner	1	
18	16212Z0DV20	Gasket, Insulator	1	
19	16221ZG0801	Gasket, Carburetor	1	
20	952408480	Washer 9 x 28 x 9	3	
21	0401450080	Washer, Flat M8	3	
22	011208035	Bolt, 8 x 35	3	
23	030208200	Washer, Lock 8 mm	3	
24	022710809	Nut, Nylon M8	3	

PROCEDURE:

1. Loosen the 5 bolts and associated hardware that secure the cover on the right side of the rammer (Figure 2). Remove the cover.



Figure 2. Cover Removal

2. Loosen the clamp holding the intake pipe and air cleaner elbow together (Figure 3).



Figure 3. Loosening Intake Pipe Clamp

3. Detach the intake pipe from the air cleaner elbow (Figure 4).



Figure 4. Detaching Intake Pipe

4. Cut tie wrap holding the vinyl drain tube and release the vent tube from its holder (Figure 5).



Figure 5. Releasing Vent and Drain Tubes

5. Loosen clamp on the fuel hose and pull out hose from fuel cock (Figure 6).

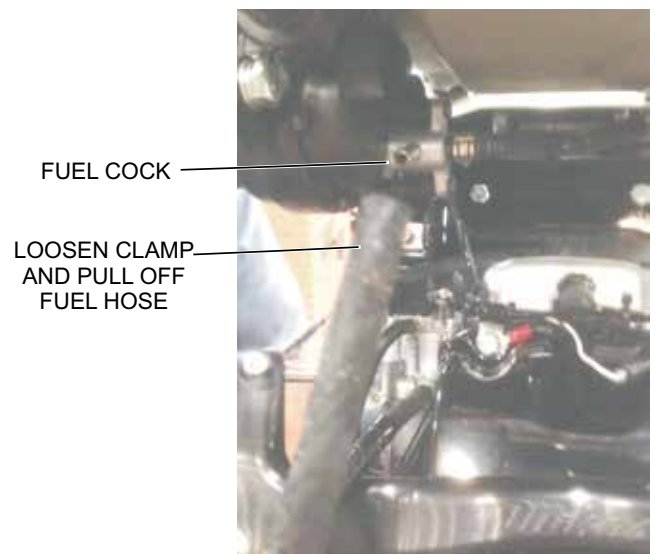


Figure 6. Detaching Fuel Hose

- Remove the two nuts holding the air cleaner elbow with an 8 mm socket. Remove the air cleaner elbow (Figure 7).



Figure 7. Air Cleaner Elbow Removal

- Remove the plastic clip from the governor arm then remove the throttle return spring and governor rod from the governor arm (Figure 8).

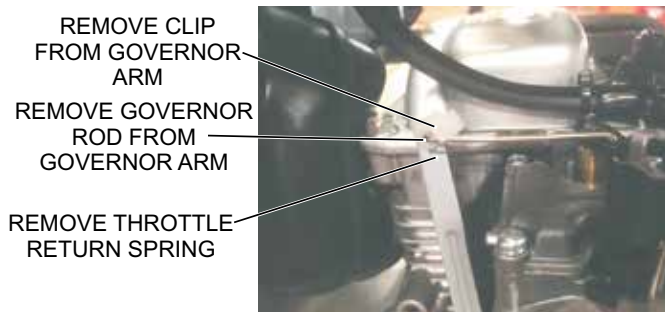


Figure 8. Governor Rod Removal

- Pull out carburetor assembly and insulator completely (Figure 9). These parts will not be reused.

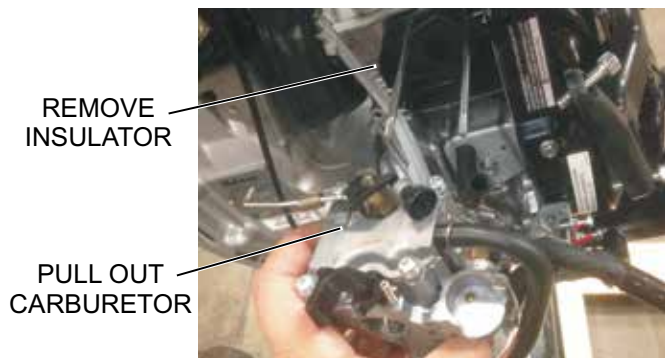


Figure 9. Carburetor Removal

- Remove insulator gasket. Use a blade to scrape off, if gasket does not come off easily. Clean off all residue (Figure 10).

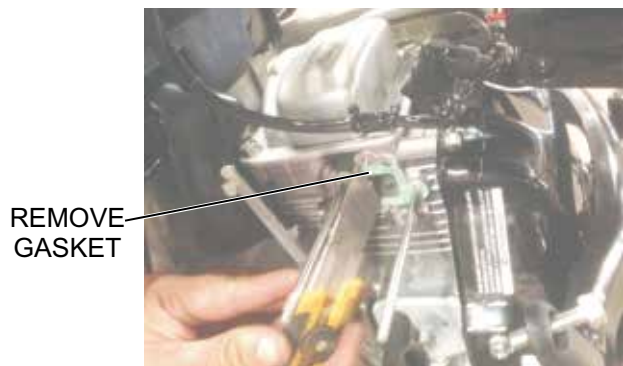


Figure 10. Insulator Gasket Removal

- Install new insulator gasket, P/N 16212ZODV20 (Figure 11).

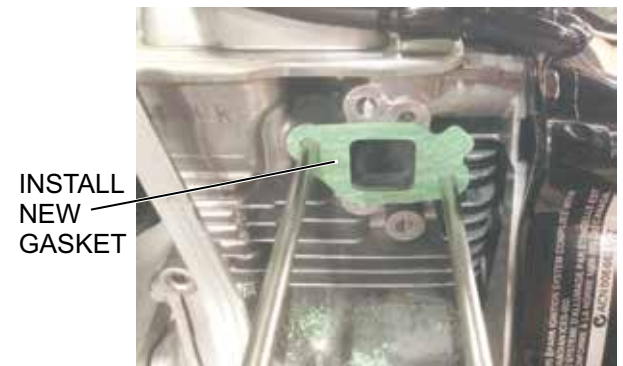


Figure 11. New Insulator Gasket Installation

- Install new insulator, P/N 16211ZOD010 with carburetor gasket, 16221ZGO801 (Figure 12).

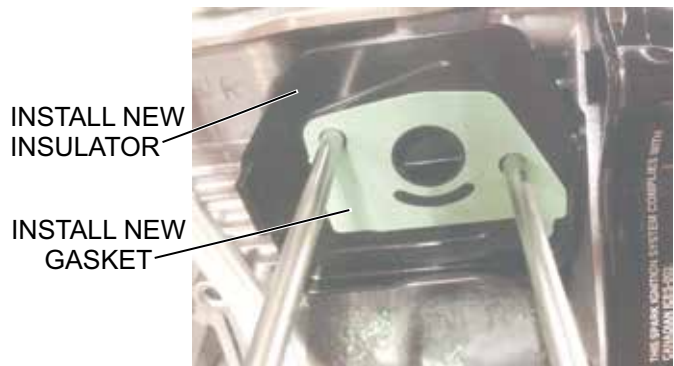


Figure 12. New Insulator and Carburetor Gasket Installation

12. Install new carburetor, P/N 16100Z4EF1 (Figure 13).

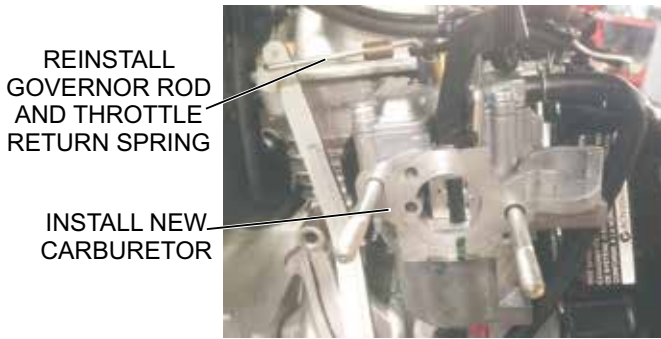


Figure 13. New Carburetor Installation and Governor Rod Reinstallation

13. Reinstall governor rod and throttle return spring (Figure 13).

14. Install new air cleaner gasket, P/N 17228ZODV21 (Figure 14).

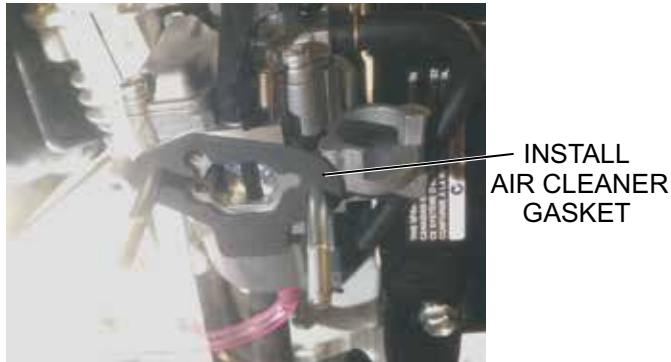


Figure 14. Air Cleaner Gasket Installation

15. Reinstall air cleaner elbow and tighten 2 nuts (Figure 15).



Figure 15. Air Cleaner Elbow Reinstallation

16. Reconnect intake pipe to air cleaner elbow and tighten clamp using 7 mm socket (Figure 16).



Figure 16. Reconnecting Intake Pipe

17. Tuck vent tube in holder (Figure 16).

18. Tie wrap pink drain tube making sure to loop it so that it does not touch the governor spring (Figure 17).



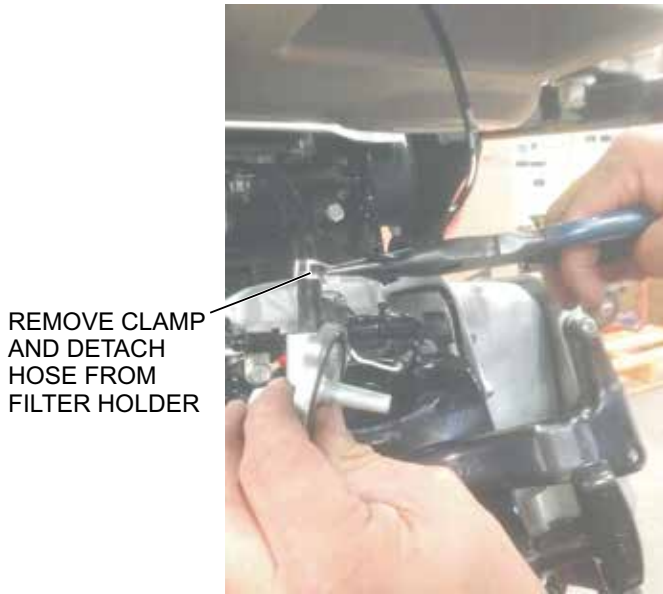
Figure 17. Securing Drain Tube

19. Remove 3 screws/washers with an 8 mm socket from filter holder under the fuel tank (Figure 18). Remove filter holder carefully making sure not to lose the strainer that comes off with it.



Figure 18. Filter Holder Removal

20. Remove clamp with long nose pliers from fuel hose connected to filter holder and detach hose from filter holder (Figure 19).



REMOVE CLAMP AND DETACH HOSE FROM FILTER HOLDER

Figure 19. Detaching Hose from Filter Holder

21. Remove O-ring from filter holder and install the O-ring on the new filter holder, P/N 366350580 that is attached to the new fuel hose assembly, P/N 366900203 (Figure 20). Filter holder that was removed will not be reused.



REMOVE O-RING FROM FILTER HOLDER

Figure 20. O-Ring Removal

22. Loosen the bolts and nuts (3 places) on the fuel tank with a 13 mm socket/ratchet (Figure 21).



LOOSEN BOLTS AND NUTS (3 PLACES)

Figure 21. Fuel Tank Bolts and Nuts

23. Replace the hardware attaching the fuel tank (Figure 22) with the new hardware that comes with the MTX60-70HFCARB kit (items 20-24 in Figure 1).

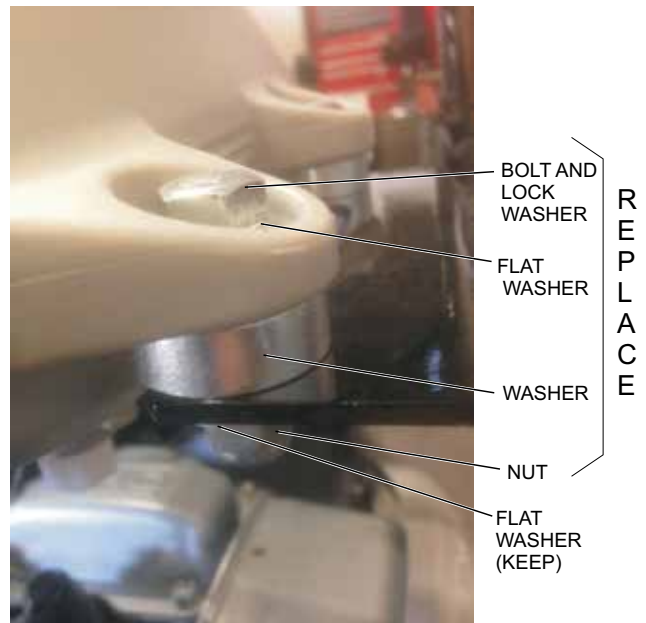


Figure 22. Fuel Tank Hardware Replacement

24. Tighten the new bolts and nuts with a 13mm socket/ratchet making sure the fuel tank is securely in place.

25. Connect fuel hose that was disconnected from the old filter holder to the new filter holder (Figure 23).

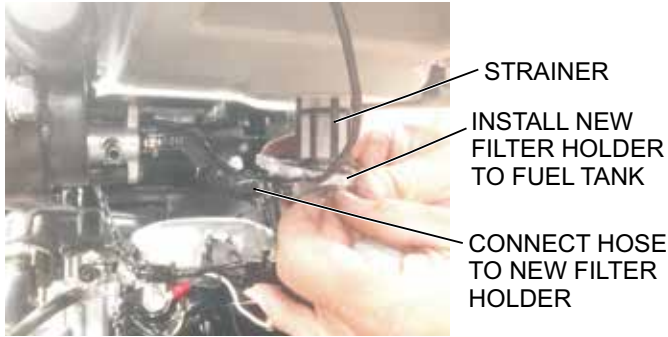


Figure 23. New Filter Holder Installation

26. Install the new filter holder to the fuel tank making sure that the strainer is placed back in (Figure 23).
27. Secure new filter holder with and tighten bolts with an 8 mm socket.
28. Connect fuel hose, P/N 366900200 (short) from the fuel hose assembly to the fuel cock (Figure 24).



Figure 24. Fuel Hose (Short) Connection

29. Connect fuel hose, 366900202 (long) from the fuel hose assembly to the carburetor (Figure 25).



Figure 25. Fuel Hose (Long) Connection

30. Reinstall side cover and tighten 5 bolts with 5 mm socket.



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HERE'S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL
NUMBER ON-HAND WHEN CALLING

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MQ Parts Department

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