



Service Kit 753-08476

Date: April 15, 2015

Subject: Replacement of the 4P90 Intake Manifold

Models Affected: MTD 4P90 Engines With the Suffixes of: **AU, AUA, JU, JUA, JUB, JUC, HA, HU, HUA, JT, MO, MU, MUA, MUB, MUC**

Read and understand these instructions thoroughly before proceeding with repair.

PURPOSE: In order to assure the correct installation of the air filter, a new intake manifold Service Kit has been developed for the above listed engine.

NOTE: These materials are prepared for use by trained technicians who are experienced in the service and repair of equipment of the kind described in this publication, and are not intended for use by untrained or inexperienced individuals. Such individuals should seek the assistance of an authorized service technician or dealer.

NOTE: Always wear eye protection while servicing equipment. Wear hearing protection when appropriate. Always work in a well ventilated area and follow all safety precautions when dealing with combustible materials.

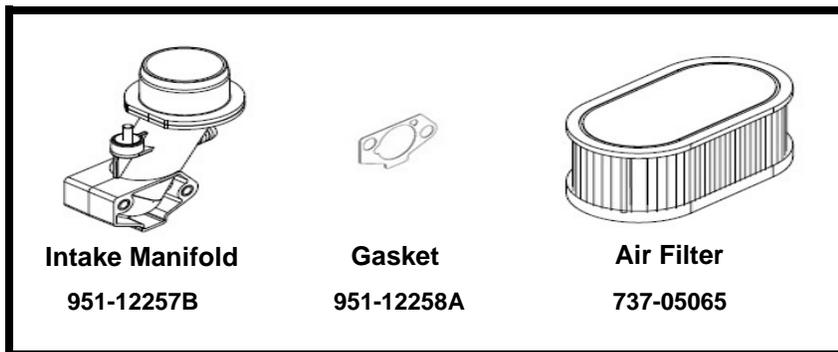
NOTE: Left (LH) and Right (RH) sides are determined from the operator's position and facing in the forward direction.

Service Kit Contents

ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	951-12257B	1	INTAKE MANIFOLD
2	951-12258A	1	MANIFOLD GASKET
3	737-05065	1	AIR FILTER (WITH PRE-CLEANER NOT SHOWN)
	*	1	THIS INSTRUCTION SHEET

* - Not Available Separately

NOTE: Save this Instruction Sheet. Refer to it when ordering replacement parts.



Service Kit Parts Illustration

NOTE: These Instructions are for the Mini Rider or Neighborhood Rider, skip those steps that do not apply to your piece of equipment.

PROCEDEURE:

1. Park the rider on a flat, level surface, set the Park brake.
2. Allow the engine and muffler to cool before proceeding.
3. Disconnect the negative battery cable from the battery.
4. Unplug the wiring harness connector from the ignition switch.
5. Remove the four fasteners that secure the fender to the frame. They could be plastic rivets or shoulder bolts. Plastic rivets shown in Figure 1. **NOTE: See the last page for instructions on removing plastic rivets.**

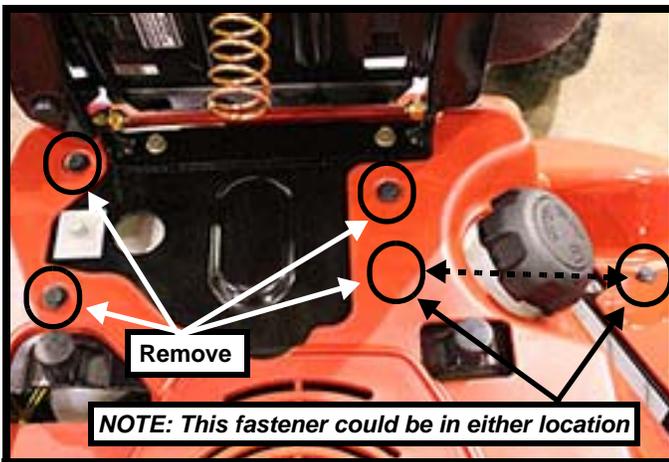


Figure 1

6. Remove the two 1/4-20x0.625" tap screws that secure the seat and seat bracket to the frame, then remove the seat and bracket. Figure 2

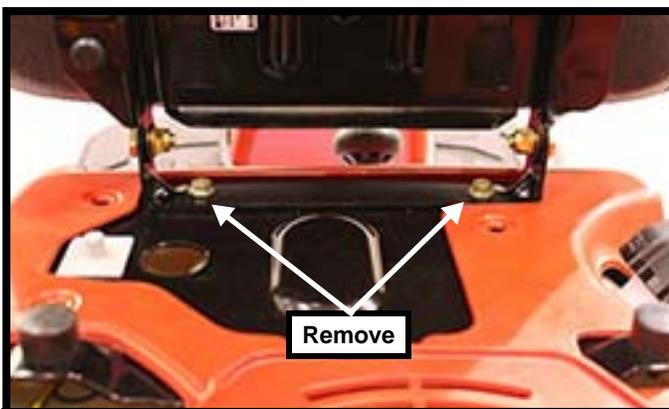


Figure 2

7. Remove the two 1/4-15x1.000" hex screws that

secure the rear cover to the rear cover support tube. Figure 3.

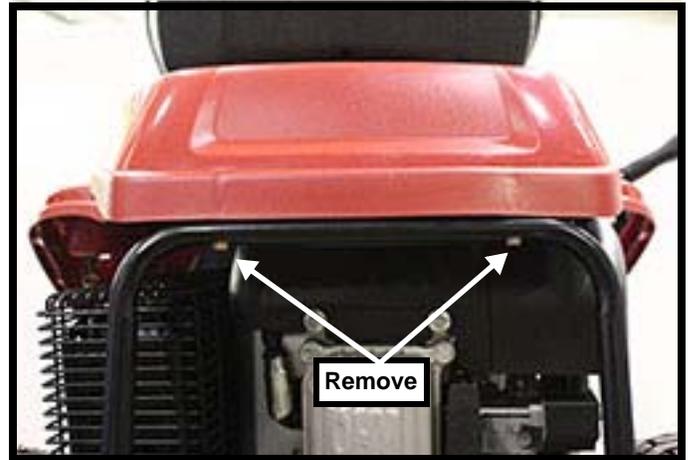


Figure 3

8. Remove the rear cover.
9. Place the PTO lever in the **ON** position.
10. Remove the deck lift handle grip.
11. Remove the cable clamp that secures the throttle cable to the throttle control bracket. Figure 4.

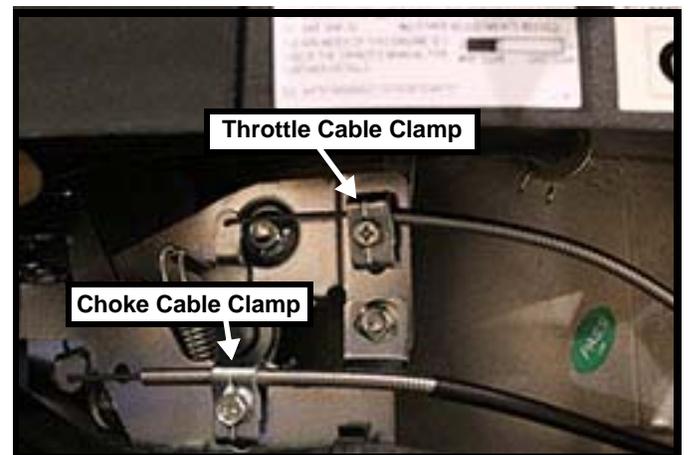


Figure 4

12. Remove the throttle cable from the throttle lever.
13. Clean any dirt and debris from the fender in the area of the fuel cap.
14. Remove the fuel cap.
15. Remove the shift lever knob.
16. Lift fender up and off of the deck lift lever, so that the fender is held in place by the PTO lever rubber grip, not the fuel cap tether. Figure 5.



Figure 5

17. Remove two 1/4-20x0.625" tap screws from each side of the seat pan that secures it to the LH and RH seat support brackets. Unplug the wiring harness connector from the seat switch and remove the seat pan. LH side shown in Figure 6.



Figure 6

18. Remove the air filter cover and the air filter.
19. Remove the three acorn nuts and one M6 nut, loosen the two hook bolts that secure the blower housing to the top of the engine. Figure 7.



Figure 7

20. Remove the blower housing.
21. Slide the clamp on the breather hose off of the intake manifold and remove the hose. Figure 8.

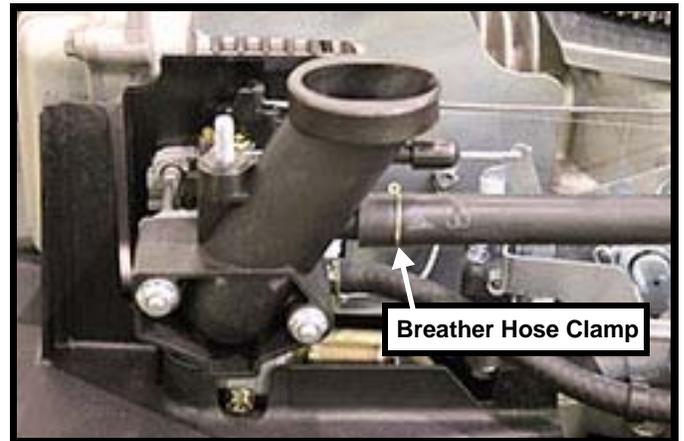
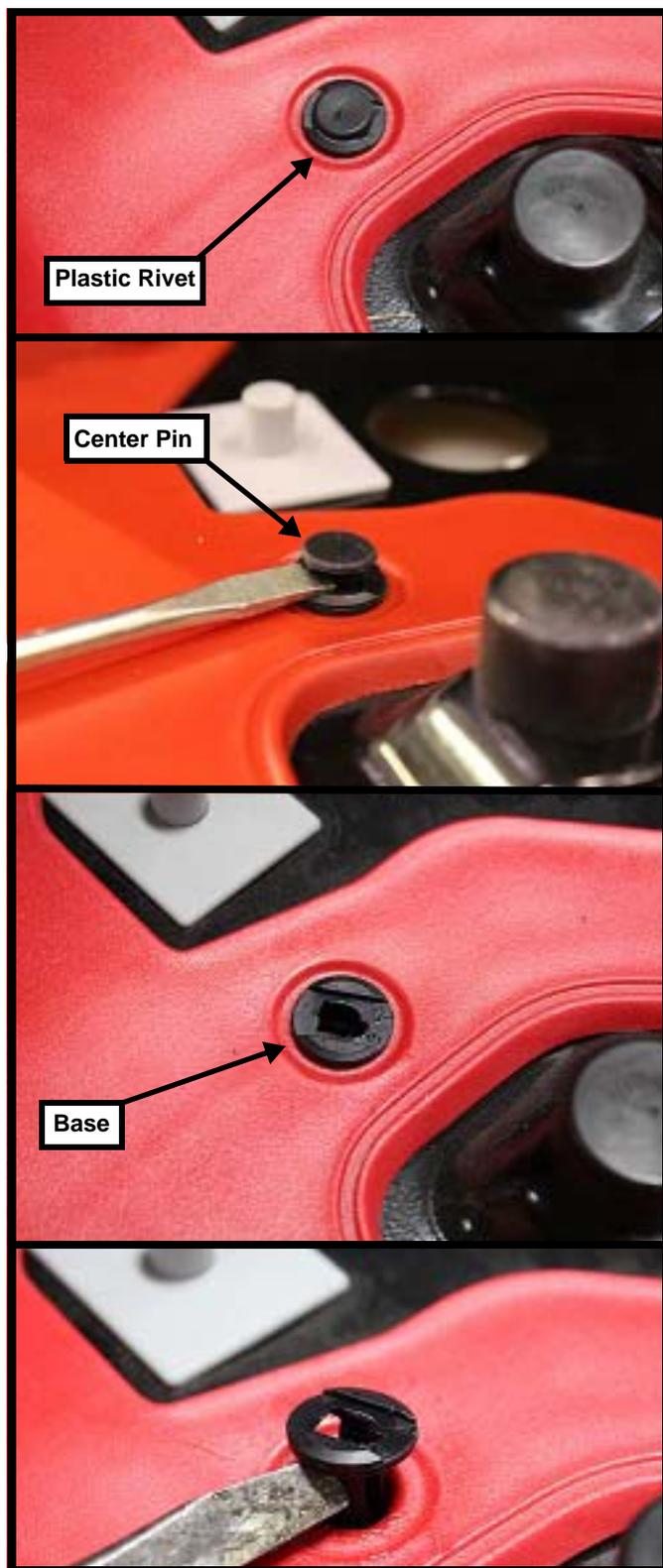


Figure 8

22. Remove the two M6 nuts that secure the intake manifold to the engine.
23. Remove and discard the manifold and gasket.
24. Clean the gasket surface of the carburetor before installing the new gasket and manifold from the service kit.
25. Continue reassembling the mower in reverse order of these instructions.
26. See Page 4 for information on Plastic Rivets and the Carburetor Cable Adjustment.

REMOVAL-INSTALLATION OF PLASTIC RIVETS:

Gently pry up on the center pin to remove it from the base, remove the center pin, then remove the base.



CARBURETOR CABLE ADJUSTMENT:

With the throttle cable clamp loose, and the throttle control in the Slow position, manually push the throttle lever to the full idle position. Hold the lever in this position while tightening the cable clamp.

