

Service Kit

753-0723

CODE: RT-135

DATE: November 25, 1997

SUBJ: Rail replacement on a 390 tiller.

PROBLEM: Left side rails (786-0029) and right side rails (786-0028) will now be replaced with a new left side rail (**786-0139**) and a new right side rail (**786-0138**). When replacing either old rail it will be necessary to replace both sides with new rails provided in kit.

CAUSE: Left side rail (786-0029) and (786-0028) have been discontinued.

SOLUTION: Install Service Kit **753-0723**.

INSTRUCTIONS: *Refer to Illustrated Parts List or Owners Guide for clarity and positioning of component parts.

1. Remove handle assembly (649-0022).
2. Remove depth bar assembly (786-0005).
3. Remove the belt cover and bolt (786-0057 & 711-920).
4. Remove the pulleys from the tiller input shaft.
5. Remove the tiller idler bracket assembly (686-0011).
6. Remove the engine.
7. Remove the tine shield (786-0035A).
8. Remove the engine mounting plate (786-0047).
9. Remove the wheel hanger bracket.
10. Remove the rails from the tiller chain case assembly.
11. On the top end of the tiller chain case (686-0009) enlarge the two mounting holes with a 1/2" drill bit. This will allow clearance for the shoulder bolts (**738-0934**).
12. Mount the two new rails (**786-0139**) left and (**786-0138**) right to the chain case using the bolts provided in the service kit and using the existing nuts and washers. See figure 1 for hardware location.
13. Mount the wheel hanger bracket to the frame.
14. Replace the old engine mounting plate with the new engine mounting plate (**786-0145A**) included in Service Kit).
15. Replace tine shield and engine. Bolt engine to the frame using the existing hardware.
16. Replace the old tiller idler bracket with the new idler bracket (**786-0144**). The new idler bracket belt keeper (**786-0149**) should be added to the idler assembly. Mount the idler bracket to the frame half with a should bolt (**738-0930**) provided in the kit.
17. Reassemble the pulleys to the tiller input shaft.
18. Replace the belt cover and the depth bar assembly.
19. Replace the handle assembly

Figure 1

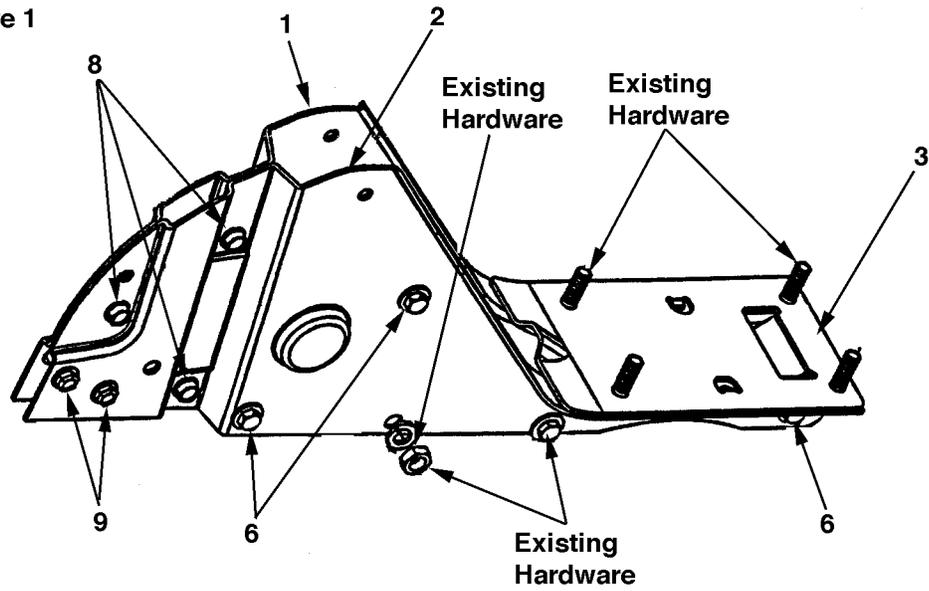
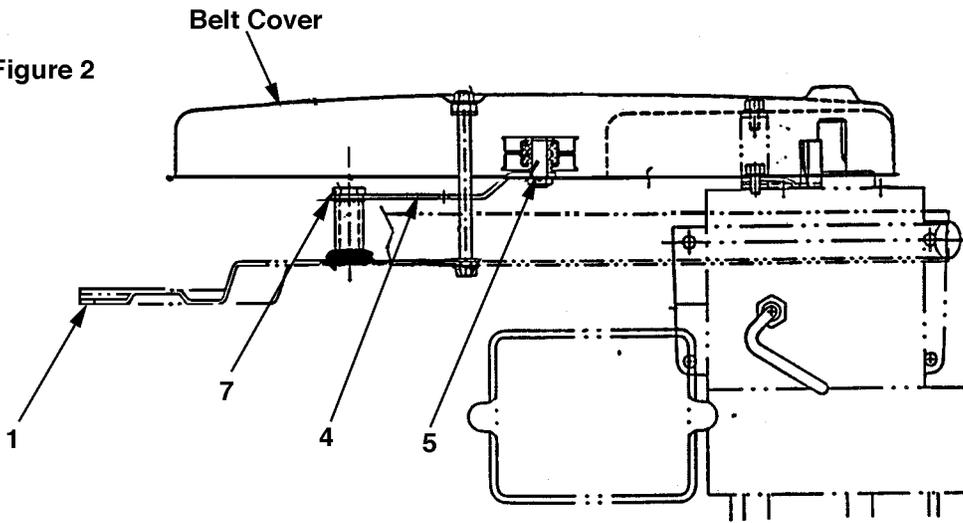


Figure 2



Service Kit 753-0723 consists of:

Ref No.	Part No.	Description	Qty.
1	786-0139	Left Frame	1
2	786-0138	Right Frame	1
3	786-0145A	Engine Mounting Plate	1
4	786-0144	Idler bracket	1
5	786-0149	Belt Keeper	1
6	738-0934	Shoulder bolt .475 x 2.11 :TT: 5/16-18	3
7	738-0930	Shoulder bolt .560 x .165:TT:5/16-18	1
8	710-0604	Hex bolt TT:5/16-18:.625 Lg.	3
9	710-0602	Hex bolt TT:5/16-18: 1" Lg.	3