

RAIDER OUTBOARDS SERVICE BULLETIN NR. RO2019-001 (April 25, 2019) formally NR. 001

1. Raider update on defective parts and recommended corrective actions/upgrades.
2. Motor applicability: Raider 50HP and 40HP Outboards.
3. **Carburetor Fuel Bowls.** Should installed fuel bowl(s) be “translucent” plastic construction **PLACE ENGINE OUT OF SERVICE UNTIL REMEDIED**. The translucent fuel bowl(s) will potentially leak at the carburetor flange, releasing fuel into cowling that may result in a fire. (see fig1 and fig2)



Fig (1) 50HP Carburetor Bowl, red X indicated improper part



Fig (2) 40 HP Carburetor Bowl, , red X indicated improper part

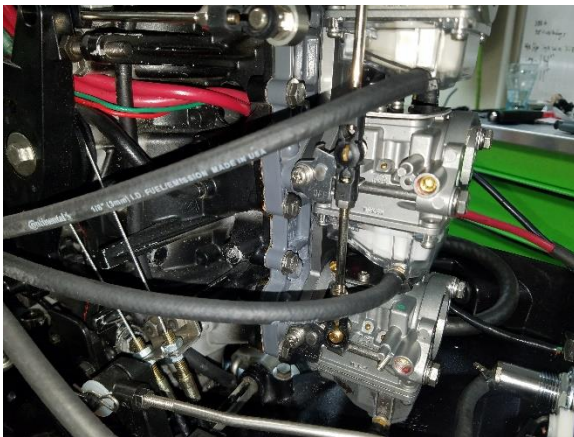


Fig (3) 50HP Carburetor Bowl, installed



Fig (4) 40HP Carburetor Bowl, installed

4. **Spark Plug Boots.** Inspect spark plug boots; two-inch (2”) boot provides protection from heat source in case of fuel under cowling. Replace “short” boots if discovered at earliest maintenance or repair availability. (see fig 5 and 6)



Fig (5) 2" Boot Cover vs. NGK Boot Cover, red X indicates improper part



Fig (6) 2" Boot Cover installed

5. **Fuel Lines.** Replace all clear (yellow) fuel line(s) with USCG compliant Reinforced BLACK gasoline/diesel fuel compatible fuel line(s). Black fuel line is more resistant to heat and chemical degradation. Replace at earliest maintenance or repair availability. (see fig and 8)

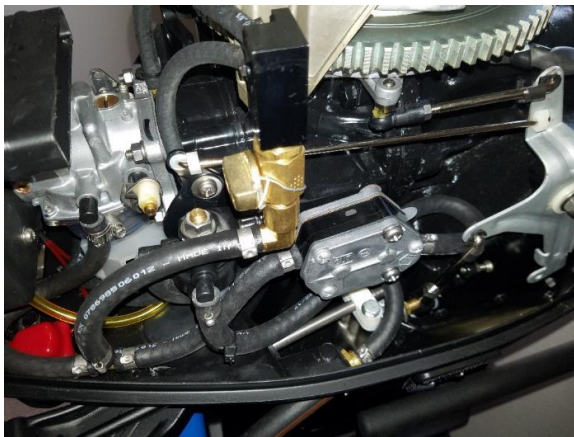


Fig (7) Raider 40HP with USCG compliant lines installed



Fig (8) Raider 50HP with USCG compliant lines installed

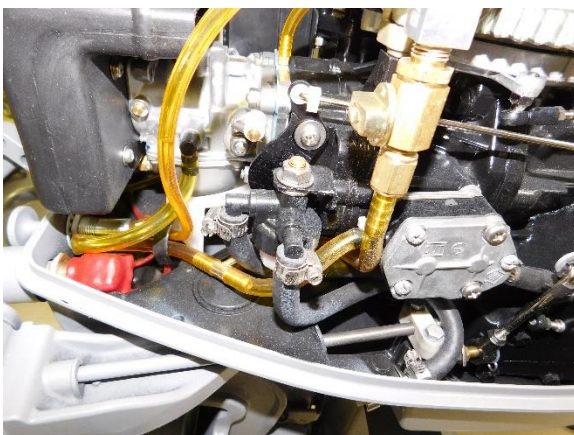


Fig (9) Raider 40HP with Tygon tubing fuel line



Fig (10) Raider 50HP with Tygon tubing fuel line

6. Raider Outboard is conducting back fitting of all motors in the field. Should engine inspection(s) discover above discrepancies, please contact Raider Outboards at Technical Support.

7. Technical Support. Direct all technical support issues or questions or comments related to the following service bulletin please contact Raider Outboards Technical Support TechSupport@raideroutboards.com or by phone 321-567-2306. Please include the following information in your request for support.
 - a) Name
 - b) Command
 - c) Contact Information
 - d) Engine Model (if possible, provide engine serial number)
 - e) Brief description of issue or support action required

8. Thanks, from Raider Outboards for all your outstanding support defending our freedoms, we truly appreciate that you do for our country.

Respectfully,



Chris Woodruff
Director of Engineering
Raider Outboards Inc.
Chris@raideroutboards.com
321-567-2309