



Service Bulletin

WRSPUDF Ride-On Roller Screeds

LPG Hose Replacement

Product Group: Screed	Date Issued: 1/06/17	Service Bulletin No. CS20161214
Bulletin Type <input checked="" type="checkbox"/> Mandatory <input type="checkbox"/> Information Only <input type="checkbox"/> Recommended Change		Models/Series Affected: WRSPUDF S/N SA1800541 — RJ1800564

Details

Replace original LPG hoses with UL listed hose assemblies.

Parts Information

Figure 1. Kit, LPG Hose, WRSPUDF

Table 1. WRSPUDF LPG Hose Service Kit				
Item No.	Part No.	Description	QTY.	Remarks
1	32829-SK	Service Kit, LPG Hose, WRSPUDF	1	Includes Items 2-9
2	32831	Loctite® 567™, 6ML	1	
3	32832	Fitting, Str. -4FJ X-4FP	1	Not Used
4	32833	Fitting, 90°-4MJ X-4MBSPT	1	
5	32834	Clamp, Stepless Ear-20MM	2	
6	46301	Hose Assy, 1/4"ID LPG X 18.5", 1/4MP X -4FJ	1	
7	46302	Hose Assy, 1/4" ID LPG X 26", 2X 1/4" MP	1	
8	60072	Hose, Fuel Ø.50 Low Perm 35 PSI	1	
9	366640	Fitting, 90° 4MJ-4FJ	1	

WORK SAFELY!

Only a qualified service technician with proper training should perform this installation. Follow all shop safety rules when performing this installation.

PREPARATION

1. Make sure screed is turned off and engine is cool.
2. Place the screed in an area free of dirt and debris. Make sure it is on secure level ground with chock blocks underneath each wheel to prevent the screed from rolling.

REQUIRED TOOLS

- Ratchet Set
- Chock Blocks
- 13mm, 9/16", 5/8", 3/4", 30mm Open-End Wrenches
- Flat Screwdriver
- Crimping Tool

LPG TANK SAFETY

DANGER

- **DO NOT** smoke around or near the equipment. Fire or explosion could result from gas vapors.
- Accumulation of LP gas vapors may result in the development of an oxygen-deficient atmosphere which carries a risk of asphyxiation.
- **NEVER** enter a gas cloud area. This condition produces an oxygen-deficient atmosphere that could be fatal.

CAUTION

- **ALWAYS** use protective gloves when handling LPG tank. LP gas will cause cold burns if it comes into contact with the skin.
- The eyes and body must be protected when handling all LP gas products. **ALWAYS** wear protective eye safety glasses and clothing.

BATTERY SAFETY

DANGER

- **DO NOT** expose the battery to open flames, sparks, cigarettes, etc. The battery contains combustible gases and liquids. If these gases and liquids come into contact with a flame or spark, an explosion could occur.

- **ALWAYS** disconnect the **NEGATIVE** battery terminal before performing service on the equipment.
- **ALWAYS** keep battery cables in good working condition. Repair or replace all worn cables.

BATTERY DISCONNECTION

1. Disconnect negative cable (**BLACK**) from the negative terminal on the battery. See Figure 2 for battery location.



Figure 2. Battery Location

LPG TANK REMOVAL

1. **CLOSE** shutoff valve on LPG tank and disconnect LPG tank connector from LPG tank fill port (Figure 3).

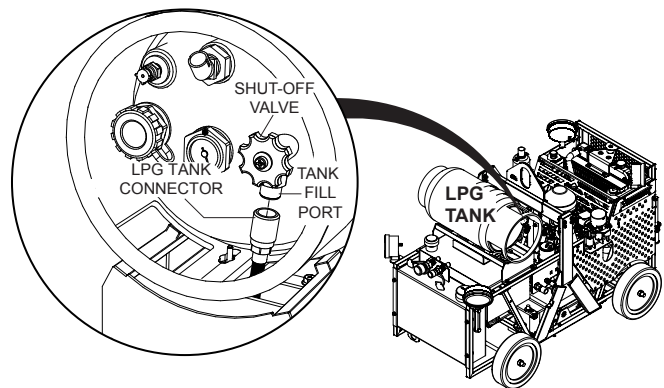


Figure 3. Close Tank Valve and Disconnect Connector

2. Release LPG tank strap latches (Figure 4). Push LPG tank backward and lift upward to remove.

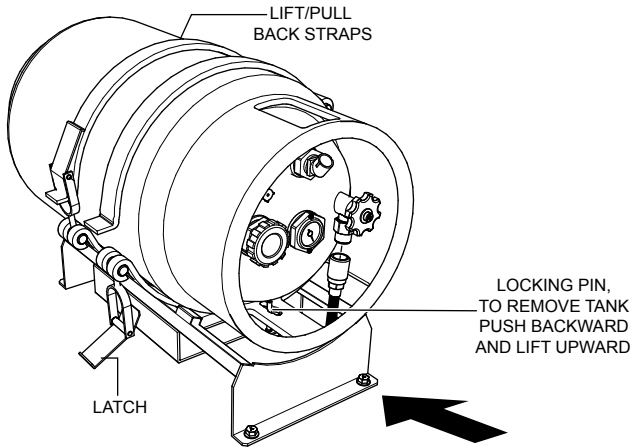


Figure 4. LPG Tank Removal

REPLACING THE LPG HOSES

1. Remove bolt that secures side access panel (Figure 5) to frame, and set aside.



Figure 5. Side Access Panel Bolt Removal

2. Remove side access panel (Figure 6) and set aside.



Figure 6. Side Access Panel Removal

3. Locate the regulator (Figure 7).



Figure 7. Regulator Location

4. Loosen the two worm clamps (Figure 8) that secure the hose connected between the regulator and carburetor. Discard hose and worm clamps.



Figure 8. Loosen Hose Clamps

5. Attach stepless clamp (P/N 32834) to each end of new fuel hose (P/N 60072). Reference Figure 9.

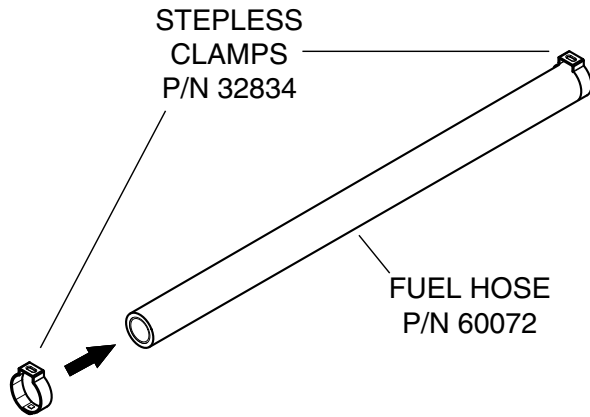


Figure 9. Attach Stepless Clamps

6. Attach one end of new fuel hose (P/N 60072) to the regulator port (Figure 10), and attach the other end to the carburetor intake port (Figure 11). Crimp both stepless clamps to secure hose.

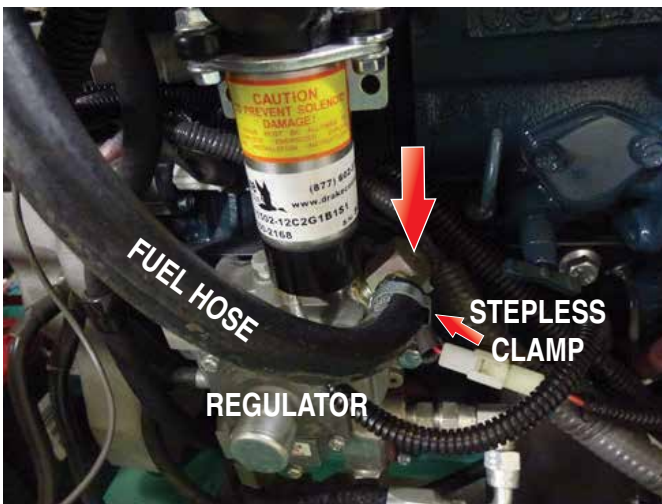


Figure 10. Connecting Fuel Hose to Regulator

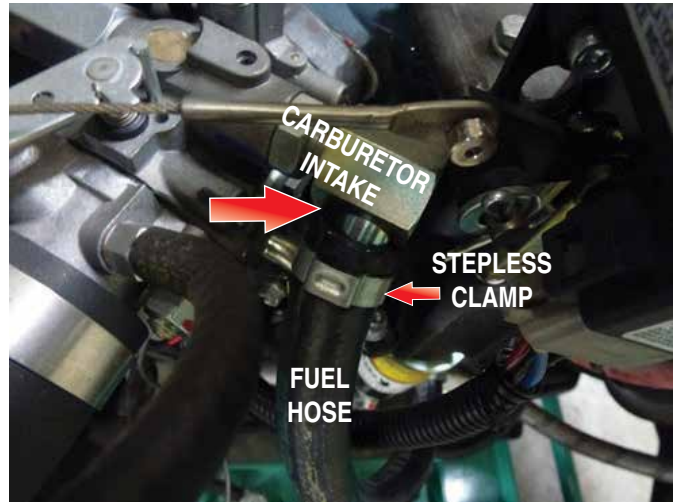


Figure 11. Connecting Fuel Hose to Carburetor

7. Remove LPG tank connector from LPG line hose (Figure 12), and set aside.

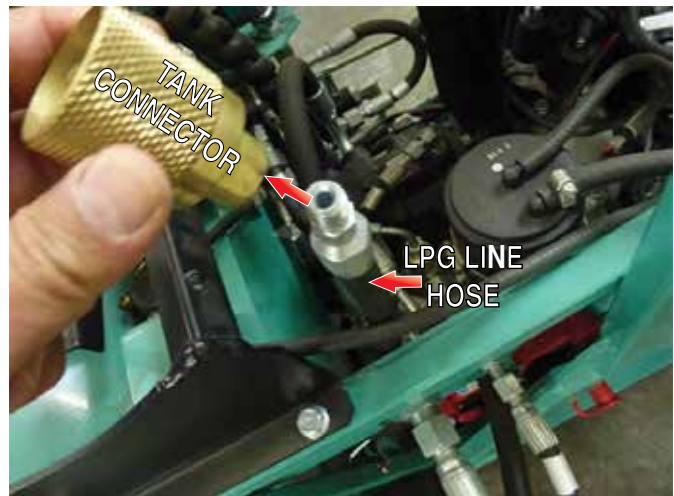


Figure 12. LPG Tank Connector Removal

8. Remove 90° hose fitting (Figure 13) at the base of the regulator, and discard.

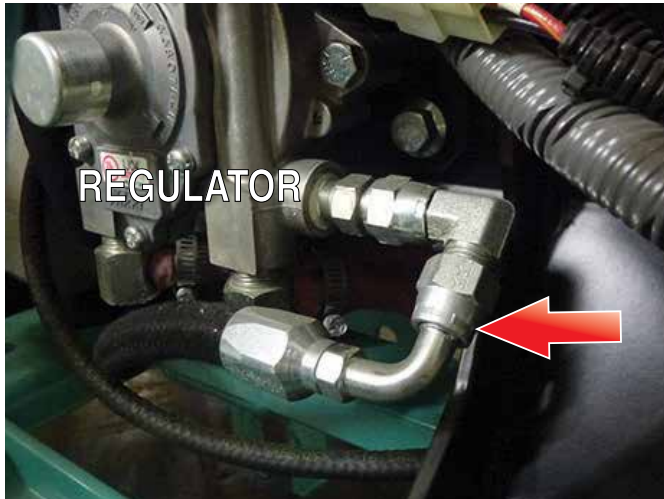


Figure 13. 90° Fitting Removal

9. Remove the HHFS screw that secures the *safety lock-off valve* (Figure 14) to the frame, and set aside.



Figure 14. Safety Lock-Off Valve Screw Removal

10. Unplug electrical connectors and remove safety lock-off valve as an assembly (Figure 15).

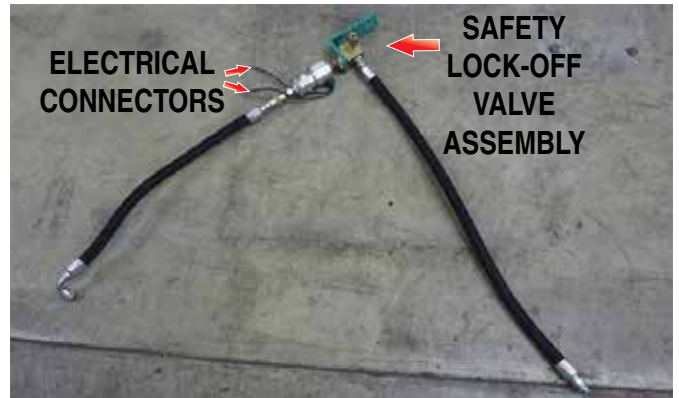


Figure 15. Safety Lock-Off Valve Removal

11. Remove both hoses from safety lock-off valve assembly (Figure 16). Discard hoses.



Figure 16. Hose Removal

12. Apply Loctite® 567™ to the threads on either end of the new, long hose (P/N 46302), and to the **male** threads on the new, short hose (P/N 46301). Reference Figure 17.

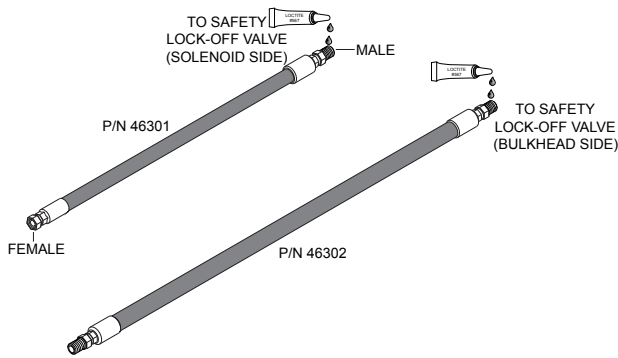


Figure 17. Applying Loctite® 567™ (Safety Lock-Off Valve Side)

13. Connect the longer hose (P/N 46302) to the bulkhead side of the safety lock-off valve assembly (Figure 18), and tighten securely.

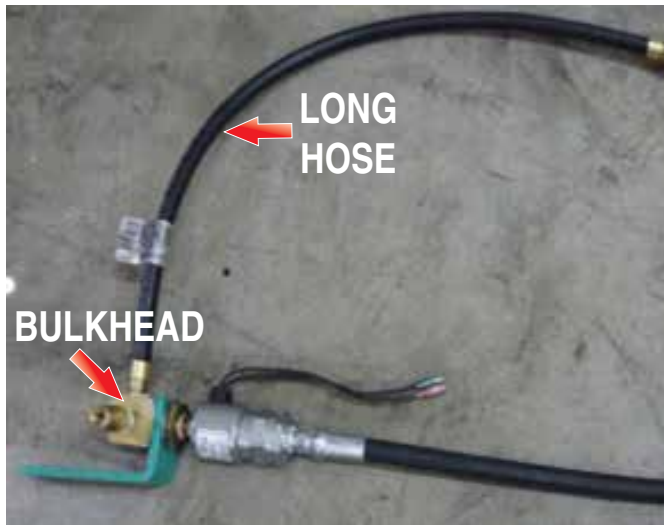


Figure 18. Connecting Hose to Safety Lock-Off Valve Assembly (Bulkhead)

14. Connect the shorter hose (P/N 46301) to the solenoid side of the safety lock-off valve assembly (Figure 19), and tighten securely.

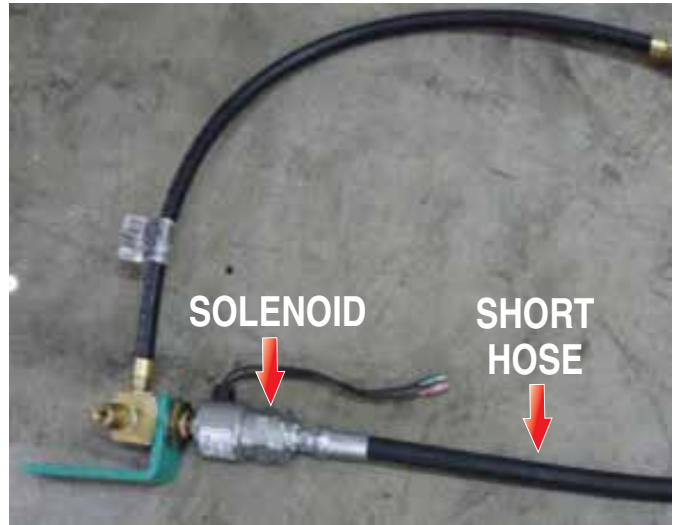


Figure 19. Connecting Hose to Safety Lock-Off Valve Assembly (Solenoid)

15. Reinstall safety lock-off valve assembly (Figure 20) in its original location. Secure valve assembly to frame with mounting hardware that was removed earlier, and tighten securely.

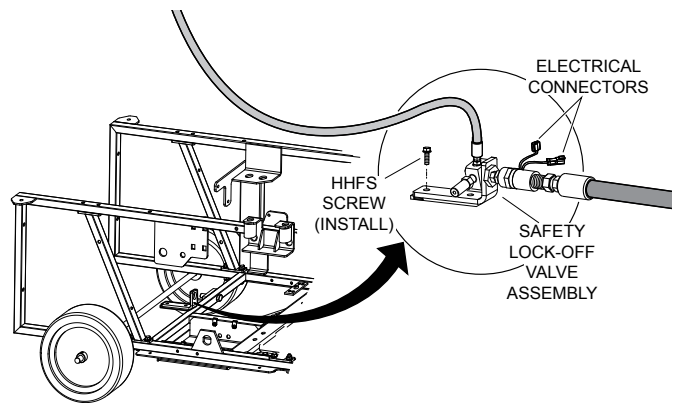


Figure 20. Safety Lock-Off Valve Installation

16. Reconnect electrical connectors, and use zip-ties to fasten harness securely.

17. Remove straight fitting (Figure 21) at the base of the regulator, and discard.



Figure 21. Remove Straight Fitting

18. Apply Loctite® 567™ to the MBSPT threads (Figure 22) on the 90° fitting (P/N 32833).

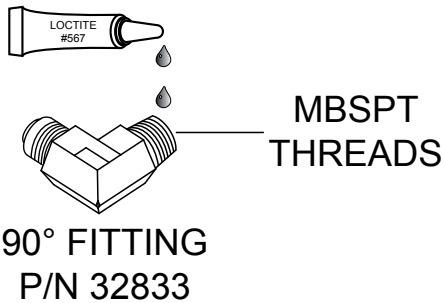


Figure 22. Applying Loctite® 567™ (90° Fitting)

19. Insert 90° fitting (P/N 32833) into regulator port (Figure 23). **Do not** tighten securely at this time.

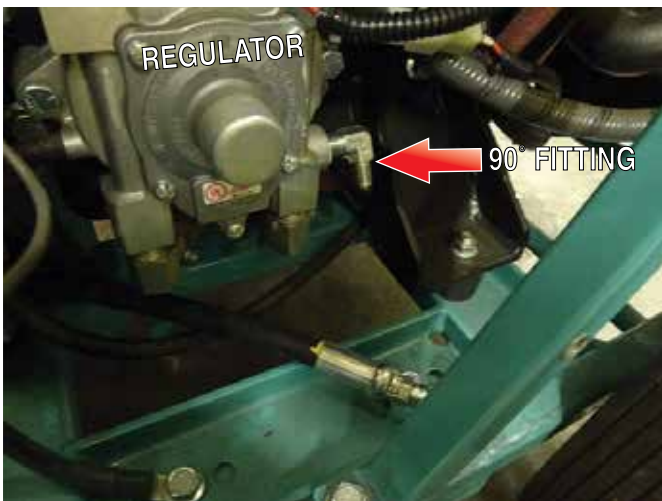


Figure 23. 90° Fitting Installation

20. Insert male end of 90° fitting (P/N 366640) into short hose (P/N 46301) female straight fitting and tighten securely. Reference Figure 24.

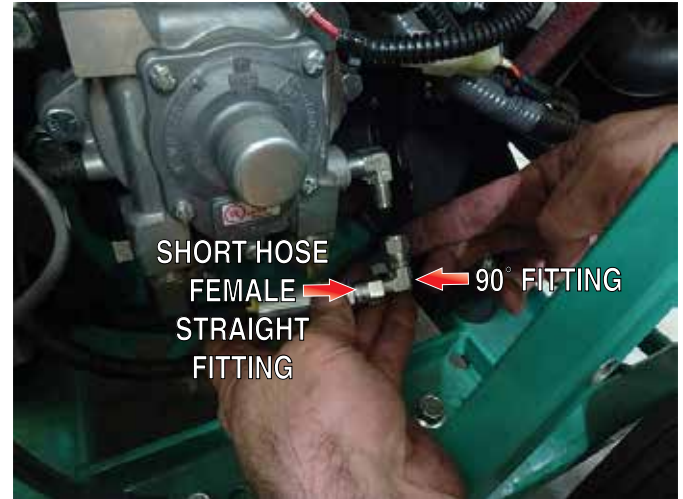


Figure 24. Connect Hose to Fitting

21. Turn 90° fitting (P/N 32833) on the regulator for proper alignment, then connect to hose (P/N 46301) with 90° fitting (P/N 366640) as shown in Figure 25. Tighten both fittings securely.

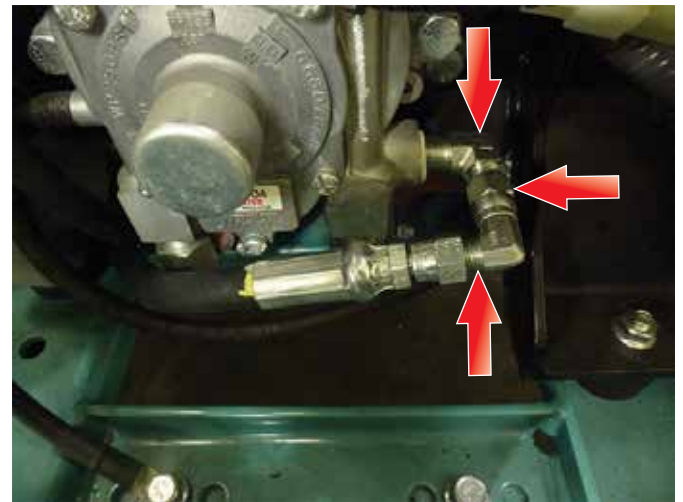
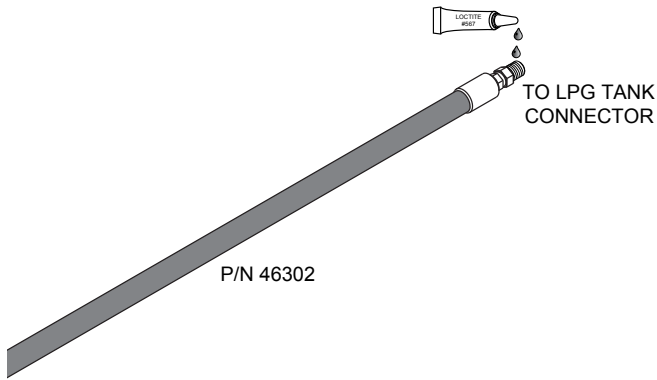


Figure 25. Align and Connect 90° Fittings

22. Apply Loctite® 567™ to the male threads (Figure 26) on the free end of the long hose (P/N 46302).



**Figure 26. Applying Loctite® 567™
(LPG Tank Connector Side)**

23. Connect LPG tank connector to long hose (P/N 46302), and tighten securely (Figure 27).

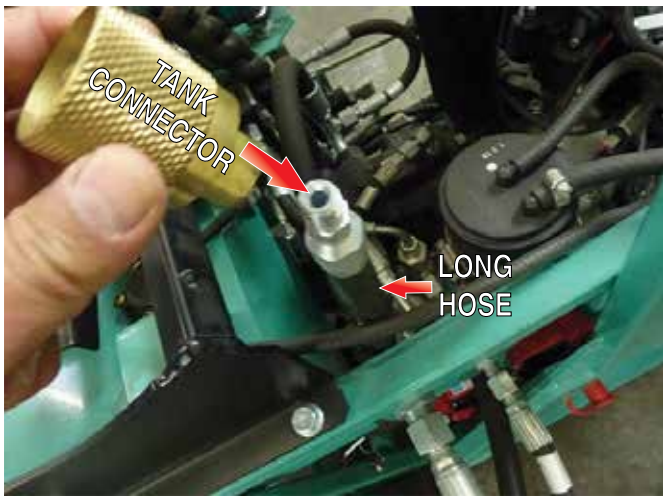


Figure 27. Install LPG Tank Connector

24. Reconnect LPG tank, open valve, and check for leaks.
25. Reconnect battery, start engine, and check for leaks from regulator to carburetor.
26. Reinstall side access panel.



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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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