



# Service Kit 753-11064A

Date: November 25, 2020  
 Subject: Steering Rack Support Update  
 Affected Part: 783-07239A

**Affected Models:** All MTD Produced 24" Rear Engine Mini-Riders Model Years 2013-2017  
 All MTD Produced 30" Rear Engine Mini-Riders Model Years 2013-2019

**Read and understand these instructions thoroughly before proceeding with repair.**

**Purpose: 783-07239A** is No Longer Available. This replacement service kit will provide all parts required, along with instructions for installation of the updated parts.

**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

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

## Service Kit Contents

Item Number	Part Number	Qty	Description
1	783-09629	1	LOWER STEERING BRACKET
2	731-13477	1	RACK SUPPORT
3	783-06988A	1	PLATE-RACK STEERING
4	717-1554	1	GEAR-STRG SHFT PINION
5	712-04063	1	NUT-FLGLK 5/16-18
6	712-04064	2	NUT-FLGLK
7	714-04040	2	BOW TIE COTTER PIN
8	**	1	INSTRUCTION SHEET

\*\* - NOT AVAILABLE SEPARATELY

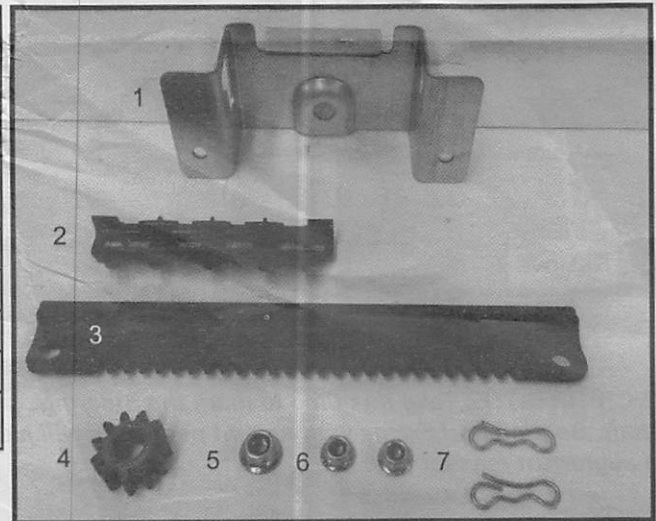


FIGURE 1

### Disassembly and Installation Instructions:

1. Park the mower on a flat, level surface. Raise and safely support the front end of the Rider. Set the Park Brake.
2. Allow unit to cool to room temperature.
3. Disconnect the Negative Battery Cable from the Negative terminal of the Battery.
4. Remove and retain Screw 1/4-20x.75 from Column Cap. Twist Cap 1/8th turn counter clockwise and lift up. Disconnect the headlight wire harness (if equipped), Raise the cap to the top of the steering column. See Figure 2 and 3.

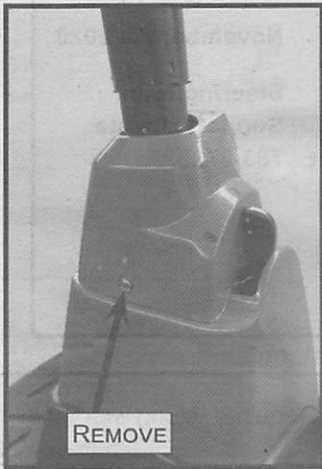


FIGURE 2

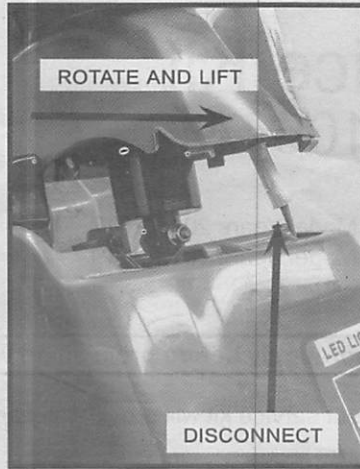


FIGURE 3



FIGURE 6

- Discard the Lower Steering Bracket, Pinion Gear, and Rack Steering Plate.

**NOTE: Apply Benalene #920 (737-0300A) or equivalent to the contact surfaces between each component in step 10.**

- Locate Item #1 (783-09629) Lower Steering Bracket, #2 (731-13477) Rack Support and #3 (783-06988A) Rack Steering Plate. Assemble and prepare to install components together. Install the Rack Support into the Lower Steering Bracket, then install the Steering Plate into the Rack Support. See Figure 7.

**NOTE: Apply Benalene #920 (737-0300A) or equivalent to the contact surfaces between each component from step 10.**



FIGURE 4



FIGURE 5

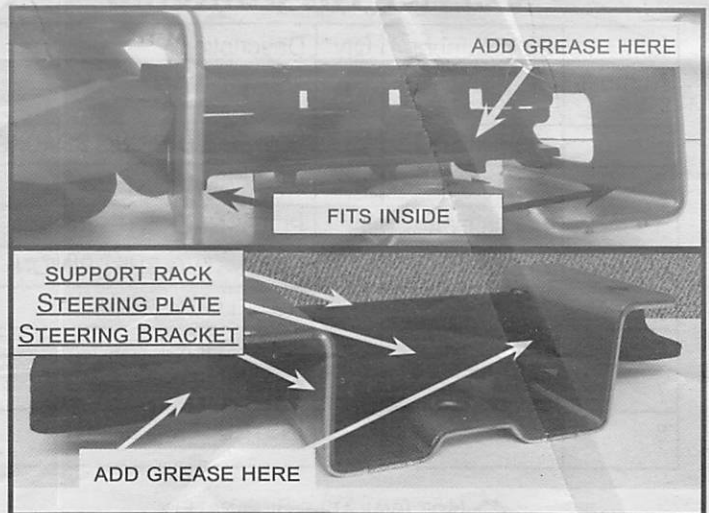


FIGURE 7

- Locate and reinstall both Left (Gold in color) and Right (Silver in color) Steering Rods into the Steering Rack. See Figure 8.

- Remove and retain two (2) Plastic Rivets. Pull up slightly and rotate Column Cover counter clockwise and let rest in a raised position to allow use of the cavity below. See Figure 4 and 5.

**TECH TIP NOTE: Take this time to mark the Steering Shaft, Bearing and Frame with a paint pen. This will aide in alignment reassembly.**

- Remove and discard the Flange Lock Nut 5/16-18 from the end of the steering shaft.
- Remove and discard the Cotter Pin or Bowtie Cotter Pin (either may be found) from Left and Right Steering Rods.
- Remove and discard two (2) Flange Lock Nuts.

**NOTE: This will allow the Lower Steering Bracket, Pinion Gear, and Rack Steering Plate to fall freely. Support the parts with your hand. See Figure 6.**



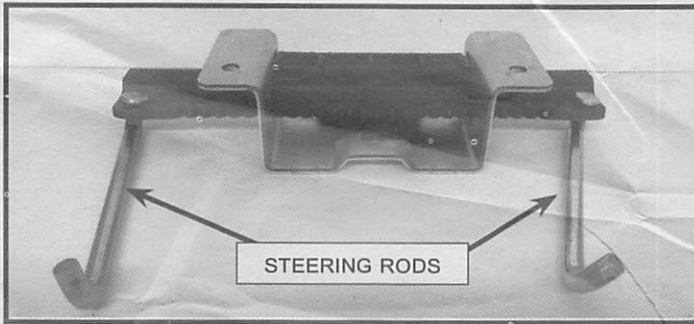


FIGURE 8

15. Align Left and Right Steering Rods and reinstall #7 Bowtie Cotter Pin (714-04040) into each Rod.

**TECH TIP NOTE:** *Inspect Front Tie Rod for wear.*

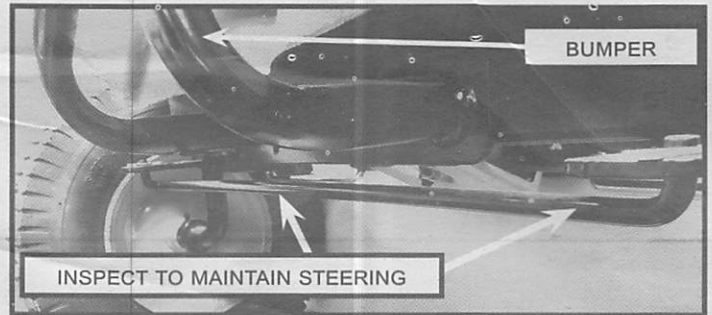


FIGURE 10

12. Install and keep holding item #4 (717-1554) Steering Shaft Pinion onto Steering Shaft.
13. Install onto the frame; Steering Support Bracket, Steering Rack and Rack Support. Install and torque item # 6 (712-04064) Flange Lock Nut 1/4-20 to 80-100 In. Lbs.

**TECH TIP NOTE:** *Steering Shaft, Bearing and Frame were marked with a paint pen to keep Steering Wheel in Alignment. See Figure 9.*

14. Install item #5 (712-04063) Flange Lock Nut 5/16-18 and torque to 170-200 In. Lbs.

16. Repeat steps 1-5 in reverse order. Replace Column Cover with Plastic rivets retained in step 5.

17. Reconnect the Headlight Harness, Column Cap and Screw 1/4-20x.75 as removed in step 4.

18. Reconnect Negative Battery cable, lower to the ground and test in a safe location.



FIGURE 9

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