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› Caltric Spindle Arm Set Instruction Manual for Simplicity Regent Lawn Tractors

Caltric 1727872ASM, 1727873ASM

Caltric Spindle Arm Set Instruction Manual

Compatible with Simplicity Regent 48" Lawn Tractors and other models

1. PRODUCT OVERVIEW

This manual provides instructions for the Caltric Spindle Arm Set, a replacement component designed for the steering mechanism of various lawn tractors. The set includes both a right-side and a left-side steering spindle arm, crucial for maintaining proper steering function and control of your equipment.



Image 1: The Caltric Spindle Arm Set, showing both left and right components along with retaining E-clips.

2. COMPATIBILITY

The Caltric Spindle Arm Set is compatible with a range of lawn tractor models. Please verify your equipment's part numbers against those listed below to ensure proper fitment.

Compatible Models:

- **Simplicity:** 2691330-01 Regent 44" 23hp, 2691330-02 Regent 44" 23hp, 2691172-00 Regent Ex 38" 22hp, 2691172-01 Regent Ex 38" 25hp
- **Craftsman:** (2691085-00) Ctx9000 Series 20 Hp / 42" 2012
- **Murray:** 2690843 Emt20460 20 Hp / 46" Deck Side Discharge 2010-2011
- **Snapper:** Elt125380 (2691084) 38" 12.5hp Tractor, Elt16538rd (2690935) 38" 16.5hp Tractor, Elt17538rdf (1696111-00) 38" 17.5hp Tractor, Elt175420 (2691044) 42" 17.5hp Tractor, Elt1840rd (2690851) 40" 18hp Tractor, Elt1840rdf (2690855) 40" 18hp Tractor, Elt185 (2690870) 18.5hp Rmo Lt200 Series Tractor Only, Elt18538 (2690497) 38" 18.5hp Rmo Lt200 Series, Elt18538f (2690864) 38" 18.5hp Rmo Lt200 Series, Elt18540 (2690781) 40" 18.5hp Rmo Lt200 Series, Elt18v38rdf 38" 18hp Tractor, Elt19540rd (2690784) 40" 19.5hp Tractor, Elt19546 (2691046) 19.5hp Rmo Lt200 Series, Elt2040rd (2691070) 40" 20hp Tractor, Elt2040rdf (2691071) 40" 20hp Tractor, Elt2044 (2690498) 44" 20hp Rmo Lt200 Series, Elt2240rd (2690785) 40" 22hp Tractor, Elt2246 (2690841) 46" 22hp Rmo Lt200 Series, Elt2440rd (2690852) 40" 24hp Tractor, Elt2440rdf (2691073) 40" 24hp Tractor, Elt2440rdf (2690856) 40" 24hp Tractor, Erpx17538rdf 0) 96cm

17.5hp Tractor, Erpx1838rdf 0) 96cm 18hp Tractor, Ertx2242rdf 0) 107cm 22hp Tractor, Ertx2642rdf 0) 107cm 26hp Tractor, Espx2046 46" 20hp Spx 150 Series, Espx2246 46" 22hp Spx 150 Series, Lt18500 (2690518) 50" 18hp Rmo Lt200 Series, Lt18538 (2690440) 38" 18.5hp Rmo Lt200 Series

Part Numbers:

- **Right Side Spindle Arm:** Compatible With Murray: 1727872ASM, Compatible With Simplicity: 1727872ASM, Compatible With Snapper: 1727872ASM
- **Left Side Spindle Arm:** Compatible With Murray: 1727873ASM, 1751922YP, Compatible With Simplicity: 1727873ASM, 1751922YP, Compatible With Snapper: 1727873ASM, 1751922YP

3. PACKAGE CONTENTS

Your Caltric Spindle Arm Set package includes the following components:

- 1x Right Side Steering Spindle Arm
- 1x Left Side Steering Spindle Arm

4. SETUP AND INSTALLATION

Proper installation of the spindle arm set is essential for safe and effective operation of your lawn tractor. Always refer to your specific lawn tractor's service manual for detailed instructions and safety precautions before beginning any repair work.

General Installation Steps:

1. **Safety First:** Ensure the lawn tractor is turned off, the engine is cool, and the spark plug wire is disconnected to prevent accidental starting. Engage the parking brake.
2. **Lift and Secure:** Safely lift the front of the lawn tractor using a jack and secure it with jack stands to allow access to the steering components.
3. **Remove Old Spindle Arms:** Carefully remove the wheels and then detach the old spindle arms from the steering linkage and axle. Note the orientation of the old parts for correct reassembly.
4. **Compare Parts:** Before installing, compare the new Caltric spindle arms with the old ones to ensure they match in size and configuration. Slight variations in manufacturing may require minor adjustments, such as sanding off excess paint/powder coat for proper bushing and wheel fitment, as noted by some users.
5. **Install New Spindle Arms:** Attach the new right and left spindle arms to their respective sides, ensuring all bushings, washers, and retaining clips (such as E-clips) are correctly in place and secured.
6. **Reassemble:** Reattach the wheels, lower the tractor, and reconnect the spark plug wire.
7. **Test Steering:** Before operating, test the steering for full range of motion and smooth operation. Ensure there is no excessive play or binding.



Image 2: Top-down view of the Caltric Spindle Arms, useful for comparing with existing parts during installation.

5. OPERATING CONSIDERATIONS

Once the Caltric Spindle Arm Set is correctly installed, the steering system of your lawn tractor should function as intended. Pay attention to the following:

- **Smooth Steering:** The steering wheel should turn smoothly without excessive force or resistance.
- **Responsive Control:** The front wheels should respond directly and accurately to steering wheel input.
- **No Excessive Play:** There should be minimal play or looseness in the steering linkage or wheel attachment points.

If you notice any issues with steering after installation, refer to the Troubleshooting section.

6. MAINTENANCE

Regular maintenance of your lawn tractor's steering components, including the spindle arms, will ensure longevity and safe operation.

- **Periodic Inspection:** Annually or every 50 operating hours, inspect the spindle arms for signs of wear,

bending, cracks, or corrosion. Check all fasteners for tightness.

- **Lubrication:** If your spindle arms or associated components have grease fittings, lubricate them according to your lawn tractor's manufacturer recommendations.
- **Cleanliness:** Keep the steering components free from dirt, grass clippings, and debris that can impede movement or cause premature wear.

7. TROUBLESHOOTING

If you encounter issues with your lawn tractor's steering after installing the Caltric Spindle Arm Set, consider the following:

- **Stiff Steering:**
 - Check for proper lubrication of all steering pivot points.
 - Ensure no components are binding or rubbing. Verify that any excess paint/powder coat was removed if it interfered with bushings.
 - Inspect for bent steering rods or damaged tie rods.
- **Loose or Excessive Play in Steering:**
 - Verify all nuts, bolts, and retaining clips (E-clips) are securely tightened and properly installed.
 - Check for worn bushings in the spindle arms or other steering components.
 - Inspect for worn ball joints or tie rod ends.
- **Uneven Tire Wear or Poor Tracking:**
 - Ensure both spindle arms are installed correctly and are not bent.
 - Check the toe-in adjustment of the front wheels according to your tractor's service manual.

If problems persist, consult a qualified service technician or your lawn tractor's manufacturer for further assistance.

8. SPECIFICATIONS

Detailed dimensions and part numbers for the Caltric Spindle Arm Set are provided below.

Part Numbers:

- **Right Side Spindle Arm:** 1727872ASM
- **Left Side Spindle Arm:** 1727873ASM, 1751922YP

Dimensions:

- **Right Side Spindle Arm:**
 - Item Length: 236.2 mm (9.3 in)
 - Item Width: 172.7 mm (6.8 in)
 - Item Height: 104.1 mm (4.1 in)
- **Left Side Spindle Arm:**
 - Item Length: 236.2 mm (9.3 in)
 - Item Width: 172.7 mm (6.8 in)
 - Item Height: 104.1 mm (4.1 in)



Image 3: Detailed dimensions for the Right Side Spindle Arm.



Image 4: Detailed dimensions for the Left Side Spindle Arm.

General Product Information:

- **Manufacturer:** Caltric
- **Item Weight (Package):** 5.09 pounds
- **Product Dimensions (Package):** 9 x 7 x 5 inches

9. SUPPORT

For further assistance, technical support, or inquiries regarding the Caltric Spindle Arm Set, please contact Caltric customer service. Refer to the packaging or the official Caltric website for current contact information.