The following instructions are intended to assist the user in the installation of the lifting bale for the following J-series walk-behind trowels: 3HP and 5HP Briggs & Stratton, 5HP Honda, and 4.5 Robin engines. Please read all assembly instructions before installing the kit.

REQUIRED TOOLS

- 1/2", 7/16", 9/16" socket or open-ended wrench
- Clutch Puller Tool
- Blue Loctite #242
- Philips Head Screwdriver
- 4mm, 5mm, 8mm Allen Head Key
- Ratchet w/ Extension

PARTS

Verify that all parts are accounted for. See Figure 1 and Table 1.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Part No.</th>
<th>Description</th>
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<tr>
<td>1</td>
<td>1846</td>
<td>Lifting Bale Mounting Kit</td>
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<td>2</td>
<td>C8202</td>
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<td>10759</td>
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<td>0478</td>
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<td>6</td>
<td>1847</td>
<td>Screw, FHSC 5/16-24 X 3/4&quot; Plated</td>
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<td>7</td>
<td>0939</td>
<td>Washer, Spacing</td>
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<td>8</td>
<td>1477</td>
<td>Loctite # 242 Blue .5CC Bottle</td>
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<td>9</td>
<td>2940</td>
<td>Instructions, Lifting Bale Mount, J</td>
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</table>

WORK SAFELY!

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

Place trowel in a clean work area that is free of dirt and debris. Position the trowel in a manner so that it will not slip or slide while the installation is being performed.
BELT GUARD REMOVAL

1. Using a ratchet, ratchet extension, and 7/16" socket, remove the two 1/4-20 X 5/8" screws and 1/4" lock washers (Figure 1) from the belt guard.

2. If unit is equipped with T-bolts, turn counterclockwise with your hands to remove.

![Figure 2. Belt Guard Removal](image)

BELT REMOVAL

1. Remove or walk the belt off the clutch.

2. Let the belt hang loose on the lower pulley grooves.

CLUTCH REMOVAL

1. Using a 4mm-5mm allen head key, loosen the two clutch set screws (Figure 3).

2. Using a 8mm allen head key, remove and retain the clutch retaining screw(Figure 3).

3. Using a clutch puller tool (Figure 3), remove clutch from the engine shaft. The engine shaft key slides out when the clutch is removed.

4. Set the engine shaft key aside in a safe place. It will be reinstalled later.

![Figure 3. Clutch Removal](image)
"CLUTCH PANEL" BOLT REMOVAL

1. Using a ratchet, ratchet extension, and socket, remove the four screws and washers, or flange bolts (Figure 4), that bolt to the engine.

2. Discard the four engine screws and washers, or flange bolts, as they will not be used anymore.

LIFTING BALE ASSEMBLY

1. Locate the lifting bale (P/N C8202) and lifting bale bracket plate (P/N 10759) in the kit.

2. Using a 9/16" open-ended wrench, secure the lifting bale and lifting bale bracket plate together (Figure 5) using two 3/8-24 x 2-1/4" HHCS screws (P/N 0478) and 3/8-24 lock nuts (P/N 1063).

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Figure 4. Clutch Panel Bolt Removal

Figure 5. Lifting Bale Assembly
LIFTING BALE INSTALLATION

1. Apply Blue Loctite™ #242 (P/N 1477) to the four lifting bale mounting 5/16-24 X 3/4” FHSC screws (P/N 1847) as shown in Figure 6.

2. Place the lifting bale onto the engine shaft (Figure 6) and slide backwards until flush with the engine.

3. Using an 8mm allen head key (Figure 6), tighten screws (4) to secure lifting bale to the engine.

SPACER INSTALLATION

1. Locate the three spacers (P/N 0939) in the kit.

2. Set the spacers (3) on the engine shaft (Figure 7) and slide back until flush with the lifting bale.

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Figure 6. Lifting Bale Installation

Figure 7. Spacer Installation
CLUTCH INSTALLATION

1. Place the clutch (P/N 0255) onto engine shaft (Figure 8) and slide back until flush with the spacers.

2. Apply Blue Loctite™ #242 (Figure 8) to the clutch retaining screw and insert into the clutch.

3. Using a 8mm allen head key, tighten the clutch retaining screw.

4. Using a 4mm-5mm allen head key, tighten the two clutch set screws (Figure 9).

5. Using a rubber mallet, gently tap the engine shaft key into the engine shaft key slot.

LOWER PULLEY ADJUSTMENT

1. Using an allen head key, loosen the lower pulley set screw as shown in Figure 9.

2. Using a clutch puller tool (Figure 9), move the lower pulley 3/16" away from the gearbox.

3. Retighten the set screw to secure the lower pulley.

Figure 8. Clutch Installation

Figure 9. Lower Pulley Adjustment
LOWER PULLEY ALIGNMENT

1. Using a straight edge ruler, align the lower pulley with the clutch grooves. Place ruler on the lower pulley’s back side.

2. Apply Blue Loctite™ #242 to the lower pulley set screw once the clutch and lower pulley are aligned.

3. Retighten the set screw to secure the lower pulley.

BELT INSTALLATION

1. Lift or walk the belt onto the clutch grooves.

BELT GUARD INSTALLATION

1. Using a ratchet, ratchet extension, and 7/16” socket, tighten the two 1/4-20 X 5/8” screws and 1/4” lock washers (Figure 11) to secure the belt guard.

2. If unit is equipped with T-bolts, turn clockwise with your hands to tighten.

STARTING THE TROWEL/TESTING

1. Start the trowel as referenced in the Operator’s Manual. Be sure to check the engine oil level prior to starting the engine.

   **CAUTION**
   
   The engine’s exhaust contains harmful emissions. **ALWAYS have adequate ventilation when operating.** Direct exhaust away from nearby personnel.

2. Run machine, bringing throttle up so the clutch engages. Cycle the engine from idle to full throttle twice, and shut off engine.
HERE’S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL NUMBER ON-HAND WHEN CALLING

### UNITED STATES

<table>
<thead>
<tr>
<th>Multiquip Corporate Office</th>
<th>MQ Parts Department</th>
</tr>
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<tbody>
<tr>
<td>18910 Wilmington Ave.</td>
<td>800-427-1244</td>
</tr>
<tr>
<td>Carson, CA 90746</td>
<td>Fax: 800-672-7877</td>
</tr>
<tr>
<td>Contact: <a href="mailto:mq@multiquip.com">mq@multiquip.com</a></td>
<td>310-537-3700</td>
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<td>Fax: 310-637-3284</td>
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<thead>
<tr>
<th>Service Department</th>
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<tr>
<td>800-421-1244</td>
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<tr>
<td>310-537-3700</td>
<td>310-537-3700</td>
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<tr>
<td>Fax: 310-537-4259</td>
<td>Fax: 310-943-2249</td>
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<tr>
<th>Technical Assistance</th>
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<tr>
<td>800-478-1244</td>
<td>Fax: 310-943-2238</td>
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### CANADA

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<thead>
<tr>
<th>Multiquip</th>
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</thead>
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<td>Laval, Quebec, Canada H7L 6V3</td>
<td>Globe Lane,</td>
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<td>Tel: 0161 339 2223</td>
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<td>Fax: (450) 625-8664</td>
<td>Fax: 0161 339 3226</td>
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