# Primary Work Light Kit

## Stainless Steel & Poly Hopper Spreaders with FLEET FLEX Electrical System

### PARTS LIST

<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
<th>Item</th>
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<tbody>
<tr>
<td>1</td>
<td>78377</td>
<td>1</td>
<td>LED Work Light</td>
<td></td>
<td>NS</td>
<td></td>
<td>Harness Assembly – 72&quot;</td>
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<tr>
<td>2</td>
<td>1</td>
<td>5/16-18 x 2 Hex Cap Screw</td>
<td>7</td>
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<td>4</td>
<td>Bundling Clip</td>
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<tr>
<td>3</td>
<td>1</td>
<td>5/16-18 x 1-1/4 Carriage Bolt</td>
<td>8</td>
<td></td>
<td>4</td>
<td>Fir Tree Mount w/Cable Tie</td>
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</tr>
<tr>
<td>4</td>
<td>2</td>
<td>5/16-18 Locknut</td>
<td>9</td>
<td>78562</td>
<td>1</td>
<td>Work Light Mounting Kit</td>
<td></td>
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<tr>
<td>5</td>
<td>1</td>
<td></td>
<td>Mounting Clip</td>
<td></td>
<td>NS</td>
<td>10</td>
<td>Cable Tie – 15&quot;</td>
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<tr>
<td>6</td>
<td>78381</td>
<td>1</td>
<td>Harness &amp; Relay/Fuse Assembly*</td>
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<td>78562</td>
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<td>Work Light Mounting Kit</td>
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<td>10</td>
<td>1</td>
<td>Cable Tie – 15&quot;</td>
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<td></td>
<td>#10 x 1-1/2 Pan Head Phillips Screw</td>
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<td>11</td>
<td>1</td>
<td>Mounting Bracket – Work Light</td>
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<tr>
<td></td>
<td></td>
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<td>SS</td>
<td></td>
<td>12</td>
<td>1</td>
<td>Break-Thru Plug</td>
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</tbody>
</table>

`ns` = not shown  
`SS` = Stainless Steel  
* Diagram shows Relay/Fuse Assembly only.

### WARNING

Do not exceed GVWR or GAWR ratings as found on the driver-side vehicle door cornerpost.

### CAUTION

Use standard methods and practices when attaching spreader and installing accessories, including proper personal protective safety equipment.

### CAUTION

Read this document before installing the primary work light.
INSTALLATION INSTRUCTIONS

Gas Spreader: The accessory bracket and harness kit must be installed before the work light can be installed.

Hydraulic Spreader: The accessory enclosure and harness kit must be installed before the work light can be installed.

Electric Stainless Steel Spreader: The primary work light relay/fuse assembly will be installed to the existing electrical enclosure.

1. Park the vehicle on a smooth, level, hard surface, such as concrete. Turn the vehicle ignition to the "OFF" position and remove the key.

2. The illustrations below show the work light being mounted to a previously installed strobe light bracket. The work light can be installed in a different location by drilling a 13/32" hole for installing the work light mounting clip. Install the mounting clip in the desired location using the supplied 5/16" x 1-1/4" carriage bolt and 5/16" locknut.

3. Install the work light to the mounting clip using the 5/16" x 2" cap screw and 5/16" locknut, but do not fully tighten the fasteners yet.

4. Aim the light in the desired direction, then fully tighten the locknut.

5. Plug the work light harness into the matching connector on the work light.

6. Secure the work light harness:

   Stainless Steel Hoppers: If the work light is being mounted on an existing strobe light bracket, secure the work light harness to the strobe light harness using the supplied cable ties.

   If the work light harness will not be mounted on an existing strobe light bracket, use the provided stainless steel mounting bracket. Position the mounting bracket in the desired location and use it as a template to drill through the poly hopper, as shown below.

   Poly Hoppers: If the work light is being mounted on an existing strobe light bracket, route the work light harnesses with the existing strobe light harnesses.

   If the work light harness will not be mounted on an existing strobe light bracket, use the provided stainless steel mounting bracket. Position the mounting bracket in the desired location and use it as a template to drill through the poly hopper, as shown below.

   **CAUTION**

   Before drilling holes, check to be sure that no vehicle wiring or other components could be damaged by drilling.
Install the work light and break-thru plug to the mounting plate. Pass the electrical connector through the provided break-thru plug and connect to the provided wiring harness. Install the harness into the 1-1/4" hole, then install the mounting plate to cover the two drilled holes.

7. **Stainless Steel Electric/Hydraulic Spreader:**
   Cut a hole in one of the break-thru plugs and feed the harness into the enclosure. The hole should be sized to form a tight seal around the harness.

8. **Mount the relay/fuse assembly to the relay/fuse assembly bracket or electrical enclosure by pushing the connector clip on the back of the assembly into one of the holes in the bracket/enclosure. Secure the assembly to the bracket/enclosure using one of the supplied cable ties.**
9. Plug the work light harness connector into one of the matching connectors on the relay/fuse assembly harness. (The second relay/fuse harness connector is for the optional secondary work light.)

10. Remove the cover from the isolated stud block. Connect the red wire from the relay/fuse assembly to the POSITIVE (+) terminal and the black wire from the relay/fuse assembly to the NEGATIVE (–) terminal inside the isolated stud block.

11. Replace the isolated stud block cover, being careful not to pinch any wires. On spreader installations with multiple accessories, it may be necessary to notch the sides of the isolated stud block cover to accommodate all the wires.

12. **Stainless Steel Electric Spreader**: Connect the single-pin terminal on the relay/fuse assembly harness (yellow wire) to the gray wire coming from port A of the spreader module.

   - **Gas/Hydraulic Spreader**: Connect the single-pin terminal on the relay/fuse assembly harness (yellow wire) to the gray wire coming from the previously installed hopper accessory cable assembly.

   - **Poly Electric Spreader**: Connect the single-pin terminal on the relay/fuse assembly harness (yellow wire) to the gray wire coming from port A of the spreader module.