This document includes STEEL-CASTER™ and PRO-CASTER™ harnesses, referred to as "11-Pin Harness."

⚠️ CAUTION
Read this document before installing the cab control wiring.

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

This Parts List is for FISHER® STEEL-CASTER and PRO-CASTER spreaders with serial numbers beginning with 0806 and higher.
1. Remove the cover of the cab control.

2. Remove the rubber grommet and pass the vehicle harness through the empty hole in the back of the cab control.

3. After the harness is in the control, install a tie wrap around it at the end of the insulation to secure it inside.

4. Separate the wires and connect/route each wire as described in the following instructions for installations using either a one-light control or a two-light control. Then proceed with Step 5.

---

**WARNING**

Do not install this product in deployment path of an air bag. Refer to vehicle manufacturer’s manual for airbag deployment area(s).

---

**CAUTION**

Use tape or grommets to protect the wire harness from abrasion and cutting caused by sharp edges during installation and operation.

---

**Wire Connections for One-Light Control**

- **Orange** – Loop it around and pass it out the large rubber grommet in the back of the cab control.

- **Gray** – Connect to the middle terminal of the CLUTCH switch.

- **Black** – Connect to the middle right terminal (as viewed from rear) of the "START" switch.

  - **White** – For spreader battery system, connect to the middle left terminal (as viewed from the rear) of the "START" switch.

  - **For vehicle battery system**, the white wire from the vehicle harness will not be used.

    - Connect the white relay wire (supplied with vehicle battery kit) from the starter relay to the middle left terminal (as viewed from the rear) of the START switch. Also refer to the Vehicle Battery Kit Installation Instructions included with the vehicle battery kit.

- **Brown** – Connect to the middle left terminal (as viewed from the rear) of the CHOKE switch.

- **Red** – Connect to the middle right terminal (as viewed from the rear) of the CHOKE switch.

- **Green** – Connect to the yellow wire of the choke light.

- **White/Black** – Connect to the black cab control ground wire.

- **Yellow, Violet, Blue** – Pass back out of the control. These wires are provided for accessory use.

---

**WARNING**

Do not install this product in deployment path of an air bag. Refer to vehicle manufacturer’s manual for airbag deployment area(s).

---

**CAUTION**

Use tape or grommets to protect the wire harness from abrasion and cutting caused by sharp edges during installation and operation.
Cab Control Wiring Diagram — 11-Pin Harness

One-Light Control (choke light only)

Yellow, Blue, and Violet wires are provided for accessory use.

(Spreader battery system shown)

11-Pin Harness — Wire Locations and Colors

1. Black
2. Brown
3. Red
4. Orange
5. Yellow
6. Green
7. Blue
8. Violet
9. Gray
10. White
11. White/Black

Vehicle Harness

To Ground Point

To Switched Accessory Circuit

To vehicle CHMSL Feed (if OEM equipped)

Start Switch

(Spreader battery system shown)

Vehicle battery system shown

Lit. No. 96200, Rev. 12  3  October 1, 2019
Cab Control Wiring Diagram — 11-Pin Harness
Two-Light Control (Engine ON & Choke Lights)

11-Pin Harness — Wire Locations and Colors

1. Black
2. Brown
3. Red
4. Orange
5. Yellow
6. Green
7. Blue
8. Violet
9. Gray
10. White
11. White/Black
Wire Connections for Two-Light Control

- **Orange** – Loop it around and pass it out the large rubber grommet in the back of the cab control.

- **Gray** – Connect to the middle terminal of the CLUTCH switch.

- **Black** – Connect to the middle right terminal (as viewed from rear) of the START switch.

- **White** – For spreader battery system, connect to the middle left terminal (as viewed from the rear) of the START switch.

  For vehicle battery system, the white wire from the vehicle harness will not be used. Connect the white relay wire (supplied with the vehicle battery kit) from the starter relay to the middle left terminal (as viewed from the rear) of the "START" switch. Also refer to the Vehicle Battery Kit Installation Instructions included with the vehicle battery kit.

- **Brown** – Connect to the middle left terminal (as viewed from the rear) of the CHOKE switch.

- **Red** – Connect to the middle right terminal (as viewed from the rear) of the CHOKE switch.

- **Green** – Connect to the white wire of the choke light (red light).

- **White/Black** – Connect to the black cab control ground wire.

- **Violet** – Pass back out of the control. This wire is provided for accessory use.

Spreader with Briggs & Stratton Engine

- **Yellow** – Connect to the white wire of the engine ON light (green light).

- **Black from cab control ground harness** – Connect to the red wire of the engine ON light.

Spreader with Honda Engine

- **Yellow** – Connect to the red wire of the engine ON light (green light).

- **Black from cab control ground harness** – Connect to the white wire of the engine ON light.

  5. Connect the black wire from the cab control to a known ground on the vehicle.

  6. Connect the red (power) wire to an accessory wire/terminal that is controlled by the vehicle's ignition switch.

  7. Replace the cab control cover.

  8. Install the cab control in the cab of the truck, following the instructions packed with the control.
1. Remove the cover of the cab control.

2. Remove the rubber grommet and pass the vehicle harness through the empty hole in the back of the cab control.

```
CAUTION
Use tape or grommets to protect the wire harness from abrasion and cutting caused by sharp edges during installation and operation.
```

3. After the harness is in the control, install a tie wrap around it at the end of the insulation to secure it inside.

4. Separate the wires and do the following with each wire:
   - **Orange** – Loop it around and pass it out the large rubber grommet in the back of the cab control.
   - **Gray** – Connect to the middle terminal of the CLUTCH switch.
   - **Black** – Connect to the middle right terminal (as viewed from rear) of the START switch.
   - **White** – For spreader battery system: Connect to the middle left terminal (as viewed from the rear) of the START switch.
     - For vehicle battery system: The white wire from the vehicle harness will not be used. Connect the white relay wire (supplied with the vehicle battery kit) from the starter relay to the middle left terminal (as viewed from the rear) of the START switch. Also refer to the Installation Instructions included with the vehicle battery kit.
   - **Brown** – Connect to the middle left terminal (as viewed from the rear) of the CHOKE switch.
   - **Red** – Connect to the middle right terminal (as viewed from the rear) of the CHOKE switch.
   - **Green** – Connect to the yellow wire of the choke light.

5. Connect the black wire from the cab control to a known ground on the vehicle.

6. Connect the red (power) wire to an accessory wire/terminal that is controlled by the vehicle’s ignition switch.

7. Replace the cab control cover.

8. Choose a cab control mounting location that can be reached by the harness. The location must be within easy reach of the vehicle operator without restricting access to vehicle controls or instrumentation.

   Do not mount the control in areas prohibited by the vehicle manufacturer for reasons of crashworthiness. See the vehicle’s body builder’s book, owner’s manual or service manual for details. The shaded portions in the illustration below show the most commonly restricted areas.

```
CAUTION
Do not alter, modify, or install additional components in shaded areas shown below. Failure to comply may interfere with airbag deployment or cause injury to operator in an accident.
```

9. Install the control bracket using the supplied mounting bracket or an existing plow control bracket. The control can be either top-mounted or bottom-mounted, as shown in the example.
Cab Control Wiring Diagram — 7-Pin Harness

(Spreader battery system shown)

To primary terminal of starter relay located near vehicle battery

(Vehicle battery system shown)
For PRO-CASTER™ and older style hopper spreaders

66427 Spreader Harness, 11-Pin
67482 Spreader Harness, 7-Pin
(factory-installed on spreader)

63726 Vehicle Harness
Repair Kit (11-Pin)

66426 Vehicle Harness, 11-Pin
67481 Vehicle Harness, 7-Pin
(included in Hopper Parts Kit)

### 66860-1 Hopper Spreader Cab Control – 1 Light

<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>66858</td>
<td>1</td>
<td>Spinner Clutch Switch</td>
<td>7</td>
<td>63930</td>
<td>4</td>
<td>4-40 x 1/4 Pan-Head Machine Screw</td>
</tr>
<tr>
<td>2</td>
<td>66859</td>
<td>1</td>
<td>Ignition Switch</td>
<td>8</td>
<td>66130</td>
<td>1</td>
<td>Rubber Grommet, large</td>
</tr>
<tr>
<td>3</td>
<td>66862</td>
<td>1</td>
<td>Throttle (choke) Switch</td>
<td>9</td>
<td>6</td>
<td>1</td>
<td>Rubber Grommet, small</td>
</tr>
<tr>
<td>4</td>
<td>67529</td>
<td>1</td>
<td>Light, 12V Panel Mount (amber)</td>
<td>10</td>
<td>65516</td>
<td>1</td>
<td>Control Bracket Installation Kit</td>
</tr>
<tr>
<td>5</td>
<td>67526</td>
<td>1</td>
<td>Control Harness 12V Positive (red)</td>
<td></td>
<td></td>
<td></td>
<td>(includes mounting hardware)</td>
</tr>
<tr>
<td>6</td>
<td>66432</td>
<td>1</td>
<td>Control Harness Ground (black)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
For STEEL-CASTER™ hopper spreaders

<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>99179</td>
<td>1</td>
<td>Spinner Clutch Switch (black)</td>
</tr>
<tr>
<td>2</td>
<td>99178</td>
<td>1</td>
<td>Ignition Switch (black)</td>
</tr>
<tr>
<td>3</td>
<td>99177</td>
<td>1</td>
<td>Throttle (choke) Switch (black)</td>
</tr>
<tr>
<td>4</td>
<td>99175</td>
<td>1</td>
<td>LED, 12V Panel Mount (red)</td>
</tr>
<tr>
<td>5</td>
<td>99176</td>
<td>1</td>
<td>LED, 12V Panel Mount (green)</td>
</tr>
<tr>
<td>6</td>
<td>67526</td>
<td>1</td>
<td>Control Harness 12V Positive (red)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>69921</td>
<td>1</td>
<td>Vehicle Harness, 11-Pin (included in Hopper Parts Kit)</td>
</tr>
<tr>
<td>8</td>
<td>69922</td>
<td>1</td>
<td>Control Harness Ground (black)</td>
</tr>
<tr>
<td>9</td>
<td>63930</td>
<td>4</td>
<td>4-40 x 1/4 Pan-Head Machine Screw</td>
</tr>
<tr>
<td>10</td>
<td>65516</td>
<td>1</td>
<td>Control Bracket Installation Kit (includes mounting hardware)</td>
</tr>
<tr>
<td>11</td>
<td>66130</td>
<td>2</td>
<td>Rubber Grommet, large</td>
</tr>
</tbody>
</table>
**Electric Throttle Components – Honda Engine**

<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>69781</td>
<td>1</td>
<td>Electric Throttle Motor Kit – Honda</td>
<td>10</td>
<td>94574-1</td>
<td>1</td>
<td>Throttle Retainer – Honda</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(includes items 2–12)</td>
<td>11</td>
<td>94574-1</td>
<td>1</td>
<td>Throttle Retainer – Honda</td>
</tr>
<tr>
<td>2</td>
<td>69769*</td>
<td>1</td>
<td>Throttle Bracket – Honda</td>
<td>12</td>
<td>3</td>
<td>1</td>
<td>M5 Flat Washer Regular</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>1</td>
<td>Electric Throttle Motor – Honda</td>
<td>13</td>
<td>2</td>
<td>1</td>
<td>1/4 Lock Washer</td>
</tr>
<tr>
<td>4</td>
<td>69767*</td>
<td>1</td>
<td>Electric Throttle Arm – Honda 4&quot;</td>
<td>14</td>
<td>2</td>
<td>1</td>
<td>1/4-20 Hex Nut G5</td>
</tr>
<tr>
<td>5</td>
<td>68863</td>
<td>1</td>
<td>Choke Light Switch</td>
<td>15</td>
<td>2</td>
<td>1</td>
<td>1/4-20 x 3/4 Hex Cap Screw G5 SS</td>
</tr>
<tr>
<td>6</td>
<td>2</td>
<td></td>
<td>#4-40 x 3/4 Button Cap Screw SS</td>
<td>16</td>
<td>4</td>
<td>1</td>
<td>1/4 Flat Washer</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td></td>
<td>#4-40 Hex Locknut GB SS</td>
<td>ns</td>
<td>94573†</td>
<td>1</td>
<td>Throttle Bracket – Honda</td>
</tr>
<tr>
<td>8</td>
<td>4</td>
<td></td>
<td>#4 Flat Washer SS</td>
<td>ns</td>
<td>94572†</td>
<td>1</td>
<td>Electric Throttle Arm – Honda 3-1/4&quot;</td>
</tr>
<tr>
<td>9</td>
<td>4</td>
<td></td>
<td>#6-32 x 5/8 Button Cap Screw SS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* ns = not shown
* SS = Stainless Steel
* M = Metric
* G = Grade

* Used with throttle motor type A.
† Used with throttle motor type B.

**Throttle Motor**
- Type A
- Type B

Type B motor is no longer available. For service, use Item 1 in the above parts list.
## ELECTRICAL COMPONENTS PARTS LIST

![Diagram of electrical components](image)

### Electric Throttle Components – Briggs & Stratton Engine

<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>69782</td>
<td>1</td>
<td>Electric Throttle Motor Kit – Briggs &amp; Stratton (includes items 2, 3, 10)</td>
<td>8</td>
<td>4</td>
<td>#4 Flat Washer SS</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>73957*</td>
<td>1</td>
<td>Throttle Bracket – Briggs &amp; Stratton</td>
<td>9</td>
<td>3</td>
<td>#6-32 x 5/8 Button Cap Screw SS</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td></td>
<td>Electric Throttle Motor – Briggs &amp; Stratton</td>
<td>10</td>
<td>6</td>
<td>M5 Flat Washer Regular</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>65375</td>
<td>1</td>
<td>Electric Throttle Arm – Briggs &amp; Stratton</td>
<td>11</td>
<td>3</td>
<td>#6-32 Hex Locknut GB SS</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>68863</td>
<td>1</td>
<td>Choke Light Switch</td>
<td>12</td>
<td>2</td>
<td>1/4-20 x 3/4 Hex Cap Screw G5 SS</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>2</td>
<td></td>
<td>#4-40 x 3/4 Button Cap Screw SS</td>
<td>13</td>
<td>2</td>
<td>1/4 Flat Washer</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td></td>
<td>#4-40 Hex Locknut GB SS</td>
<td>14</td>
<td>2</td>
<td>1/4 Lock Washer</td>
<td></td>
</tr>
</tbody>
</table>

* ns = not shown

SS = Stainless Steel  M = Metric  G = Grade

* Used with throttle motor type A.

† Used with throttle motor type B.

---

**Throttle Motor**

**Type A**

**Throttle Motor**

**Type B**

Type B motor is no longer available. For service, use Item 1 in the above parts list.
ELECTRICAL COMPONENTS PARTS LIST

![Diagram of electrical components](image)

### Electric Throttle Components – Tecumseh Engine

<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>69783</td>
<td>1</td>
<td>Electric Throttle Motor Kit – Tecumseh</td>
<td>9</td>
<td></td>
<td>3</td>
<td>#6-32 x 5/8 Button Cap Screw SS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(includes items 2, 3, 10)</td>
<td>10</td>
<td></td>
<td>3</td>
<td>#6-32 Hex Locknut GB SS</td>
</tr>
<tr>
<td>2</td>
<td>69788*</td>
<td>1</td>
<td>Throttle Bracket – Tecumseh</td>
<td>11</td>
<td>2</td>
<td>1/4-20 x 3/4 Hex Cap Screw G5 SS</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>1</td>
<td>Electric Throttle Motor – Tecumseh</td>
<td>12</td>
<td>4</td>
<td>1/4 Flat Washer</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>65375</td>
<td>1</td>
<td>Electric Throttle Arm – Tecumseh</td>
<td>13</td>
<td>2</td>
<td>1/4 Lock Washer</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>68863</td>
<td>1</td>
<td>Choke Light Switch</td>
<td>14</td>
<td>2</td>
<td>1/4-20 Hex Nut G5</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>2</td>
<td>#4-40 x 3/4 Button Cap Screw SS</td>
<td>15</td>
<td>6</td>
<td>Flat Washer M5 Regular</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>2</td>
<td>#4-40 Hex Locknut GB SS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>4</td>
<td>#4 Flat Washer SS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* ns = not shown  
  SS = Stainless Steel  
  G = Grade

* Used with Throttle Motor type A.  
† Used with Throttle Motor type B.

**Throttle Motor Type A**

**Throttle Motor Type B**

Type B motor is no longer available. For service, use Item 1 in the above parts list.
### Miscellaneous Electrical Components

<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
<th>Item</th>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>61548K</td>
<td>1</td>
<td>Plug Cover Kit</td>
<td>ns</td>
<td>67241</td>
<td>1</td>
<td>Clutch Ground Wire</td>
</tr>
<tr>
<td>2</td>
<td>62057</td>
<td>2</td>
<td>Hook</td>
<td>ns</td>
<td>67527</td>
<td>1</td>
<td>Choke Switch Ground Wire</td>
</tr>
<tr>
<td>3</td>
<td>65340</td>
<td>AR</td>
<td>Clamp Loop #10</td>
<td>ns</td>
<td>66130</td>
<td>AR</td>
<td>Split Rubber Grommet 3/8 ID</td>
</tr>
<tr>
<td>4</td>
<td>9415</td>
<td>AR</td>
<td>Clamp Loop #6</td>
<td>ns</td>
<td>8329K</td>
<td>1</td>
<td>Dielectric Grease Tube</td>
</tr>
<tr>
<td>5</td>
<td>93148</td>
<td>AR</td>
<td>1/4-14 x 3/4 Self-Driving Tap Screw</td>
<td>ns</td>
<td>67537</td>
<td>1</td>
<td>Relay Wire (white) – Premium Control</td>
</tr>
</tbody>
</table>

AR = As Required

ns = not shown