



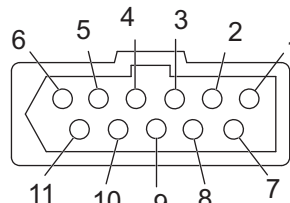
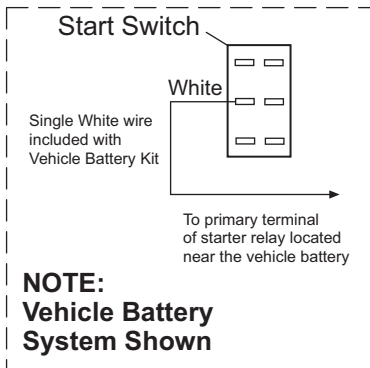
# Hopper Spreader Control Wiring Instructions and Electrical Components Parts List

This document includes ICE BREAKER™ harnesses referred to as "11 Pin Harness".

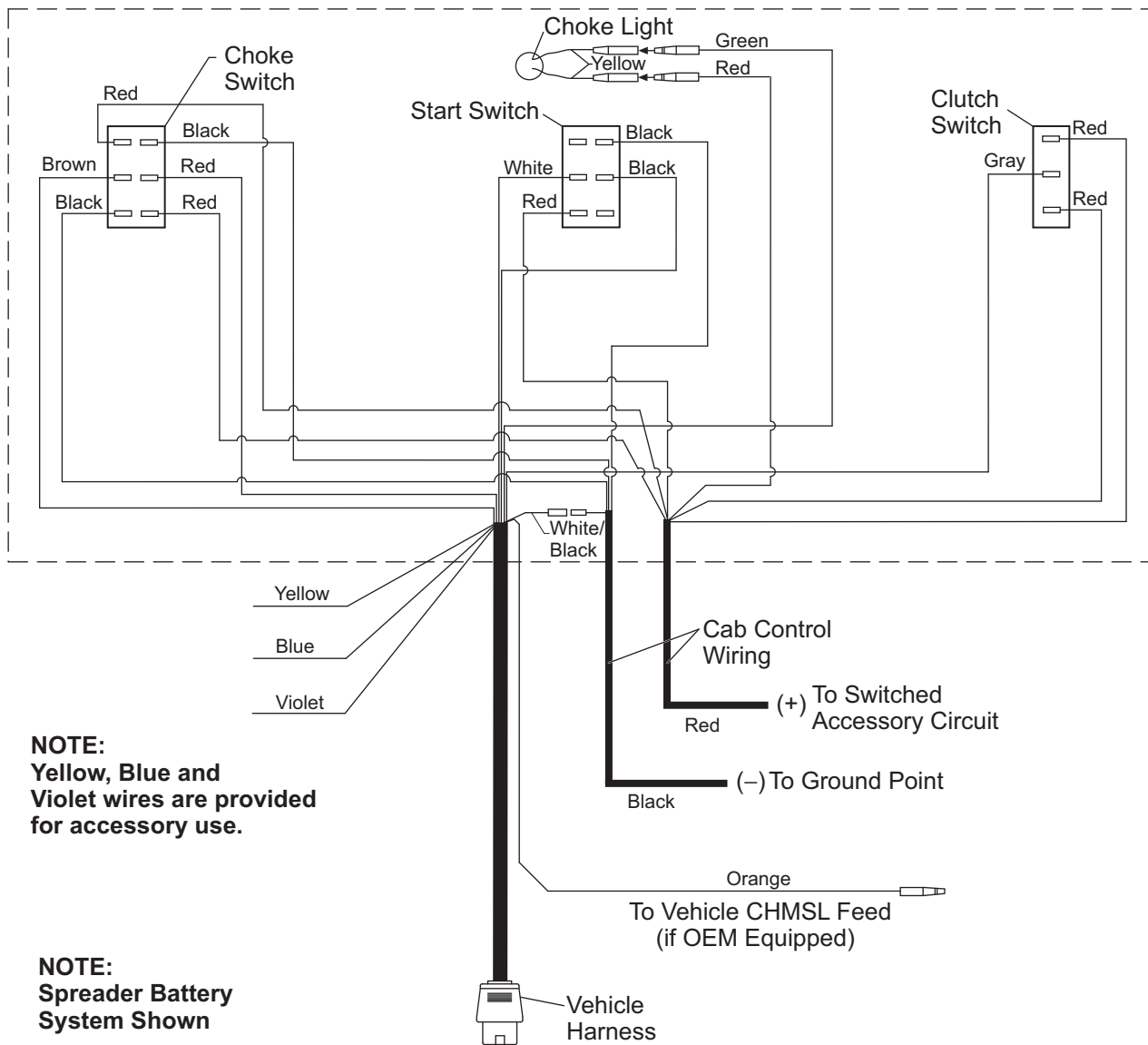
This Parts List is for WESTERN® Hopper Spreaders with serial numbers beginning with 4583–6998  
and WESTERN ICE BREAKER Spreaders with serial numbers beginning with 0126–0805.

# CAB CONTROL WIRING DIAGRAM – 11 PIN HARNESS

## 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



## CAB CONTROL WIRING INSTRUCTIONS – 11 PIN HARNESS

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### WARNING

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

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.

### CAUTION

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

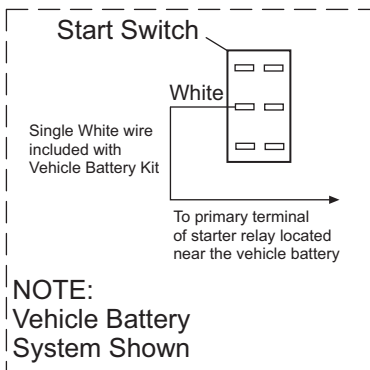
4. Separate the wires and do the following with each wire:
  - a. Orange – loop it around and pass it out the large rubber grommet in the back of the cab control.
  - b. Gray – connect to middle terminal of "CLUTCH" switch.
  - c. Black – connect to middle right terminal (as viewed from rear) of "START" switch.
  - d. White –

**For Spreader Battery System** – connect to the middle left terminal (as viewed from the rear) of "START" switch.

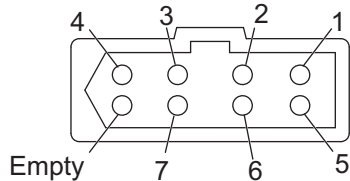
**For Vehicle Battery System** – The white wire from the vehicle harness will not be used. Connect the relay wire – white (supplied with the vehicle battery kit) from the starter relay to the middle left terminal (as viewed from the rear) of the "START" switch. Also refer to the Vehicle Battery Kit Installation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

- e. Brown – connect to the middle left terminal (as viewed from the rear) of "CHOKE" switch.
  - f. Red – connect to the middle right terminal (as viewed from the rear) of "CHOKE" switch.
  - g. Green – connect to yellow wire of choke light.
  - h. White/Black – connect to black cab control ground wire.
  - i. Yellow, Violet, Blue – pass back out of control. These are provided for accessory use.
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 and fasten the cab control in the cab of the truck.

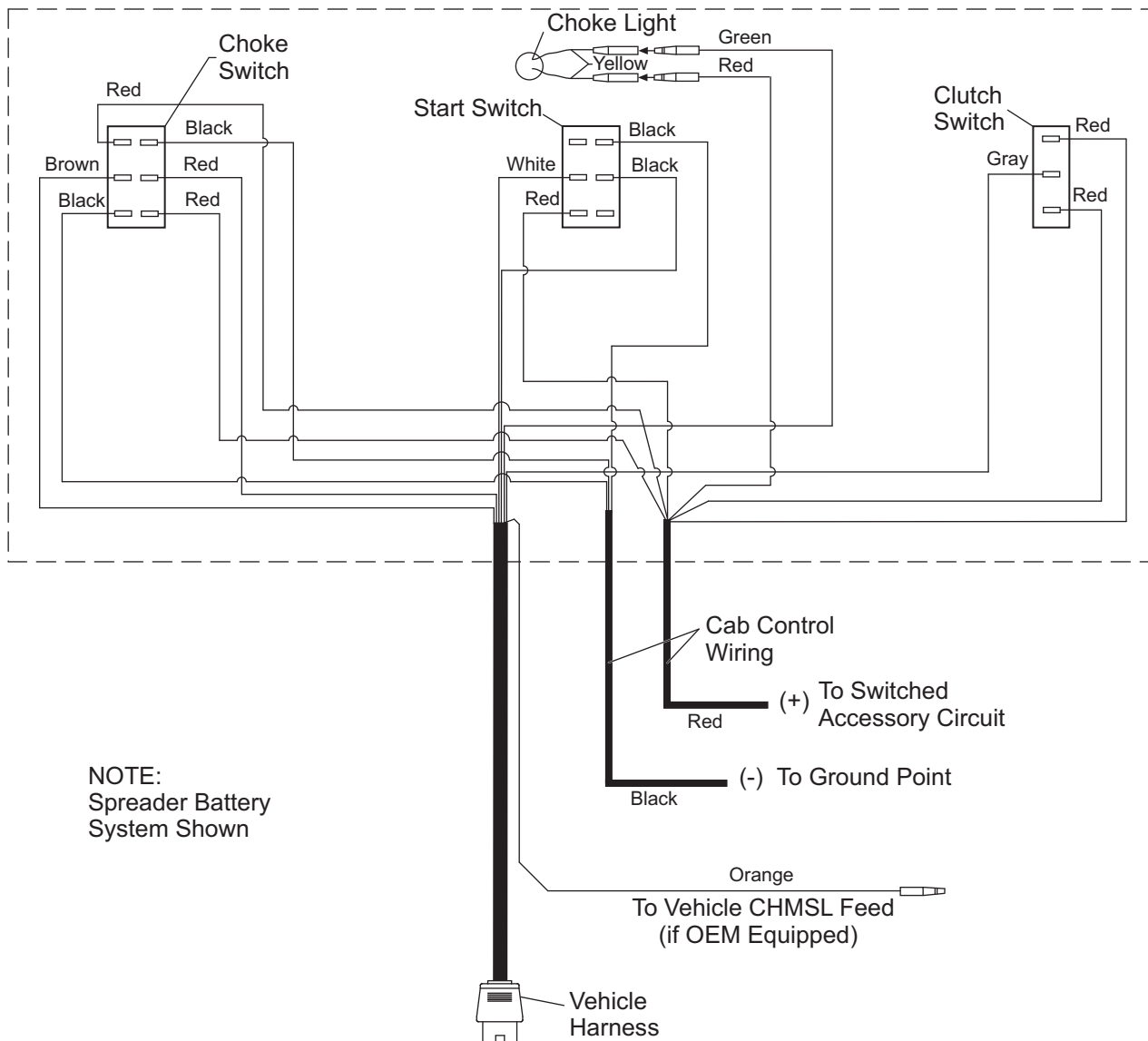
# CAB CONTROL WIRING DIAGRAM – 7 PIN HARNESS



## 7 Pin Harness Wire Locations and Colors



- 1. Green
- 2. Black
- 3. White
- 4. Gray
- 5. Red
- 6. Brown
- 7. Orange

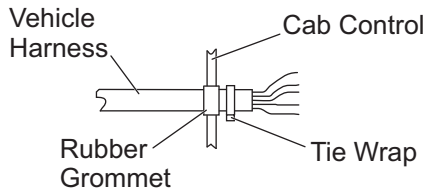


## CAB CONTROL WIRING INSTRUCTIONS – 7 PIN HARNESS

### **⚠ WARNING**

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

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.



### **⚠ CAUTION**

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

4. Separate the wires and do the following with each wire:
  - a. Orange – loop it around and pass it out the large rubber grommet in the back of the cab control.
  - b. Gray – connect to middle terminal of "CLUTCH" switch.
  - c. Black – connect to middle right terminal (as viewed from rear) of "START" switch.

- d. White –

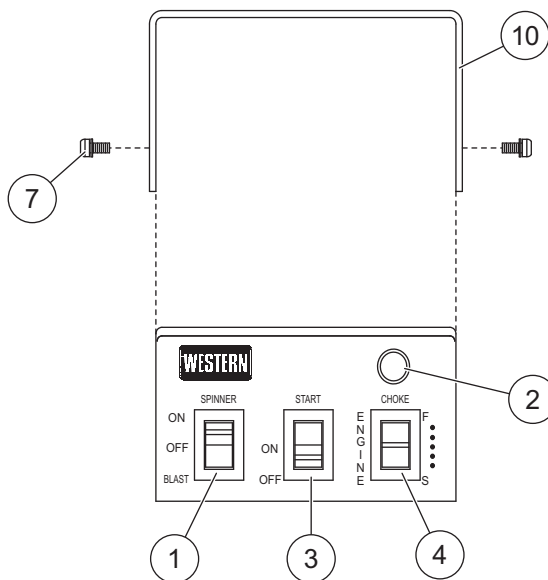
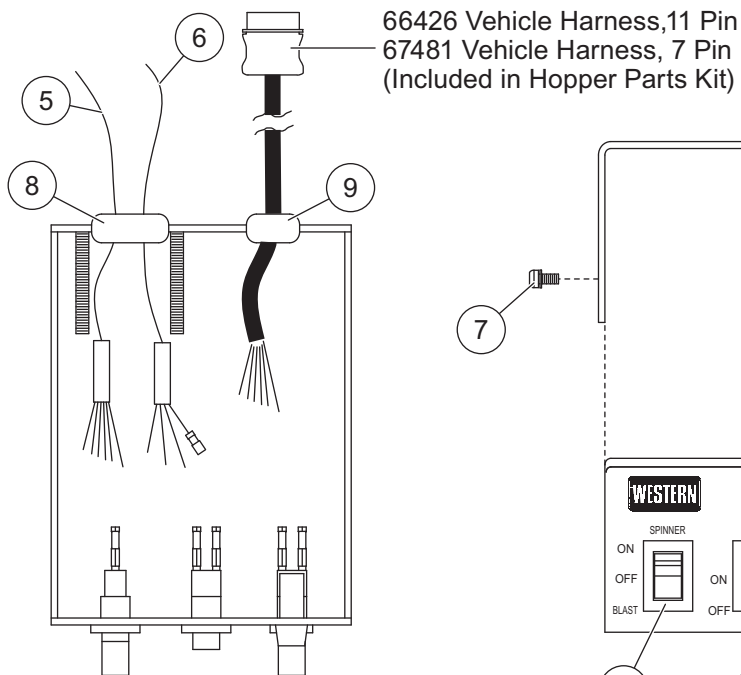
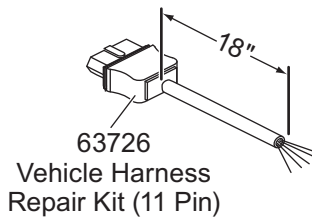
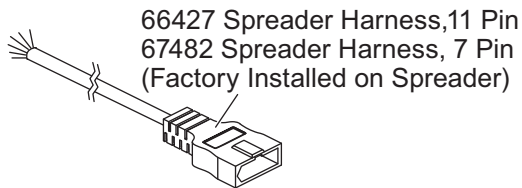
**For Spreader Battery System** – connect to the middle left terminal (as viewed from the rear) of "START" switch.

**For Vehicle Battery System** – The white wire from the vehicle harness will not be used. Connect the relay wire – white (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.

- e. Brown – connect to the middle left terminal (as viewed from the rear) of "CHOKE" switch.
- f. Red – connect to the middle right terminal (as viewed from the rear) of "CHOKE" switch.
- g. Green – connect to yellow wire of choke light.

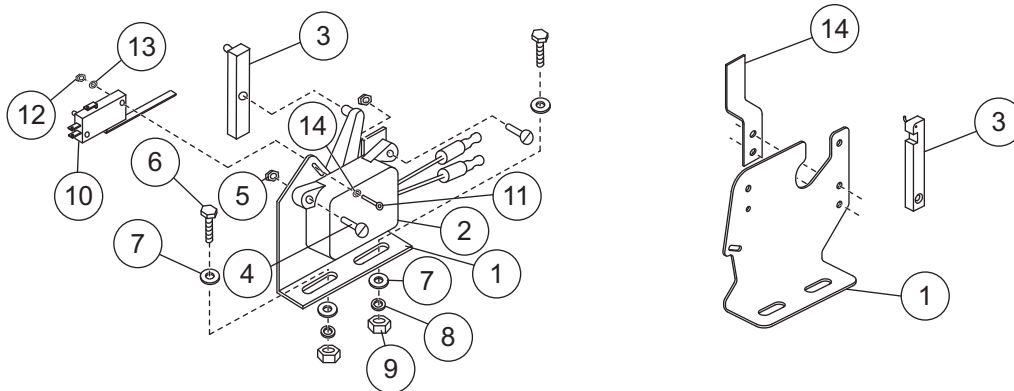
5. Connect the black wire from the cab control to a known ground on the vehicle.
6. Connect the red (power) wire to an accessory wire/terminal that is controlled by the vehicle's ignition switch.
7. Replace the cab control cover and fasten the cab control in the cab of the truck.

67530-1 PREMIUM CAB CONTROL PARTS LIST

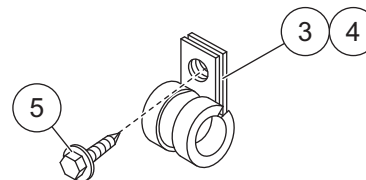
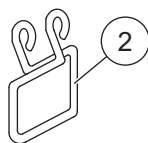
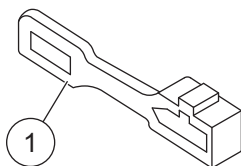


67530-1 Premium Cab Control							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	67532	1	Spinner Clutch Switch	7	63930	4	4-40 x 1/4 Pan-Head Machine Screw
2	67528	1	Light, 12V Panel Mount (Red)	8	66130	1	Rubber Grommet – Large
3	67533	1	Ignition Switch	9	25301	1	Rubber Grommet – Small
4	67534	1	Throttle (Choke) Switch	10	65516	1	Control Bracket Installation Kit (Includes mounting hardware)
5	67526	1	Harness, Control 12V Positive (Red)				
6	66432	1	Harness, Control Ground (Black)				

**ELECTRICAL COMPONENTS PARTS LISTS**



Electric Throttle Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	68853	1	Electric Throttle Bracket, Tecumseh	7	90311	4	1/4 Flat Washer
	94573	1	Electric Throttle Bracket, Honda	8	91201	2	1/4 Spring Lock Washer
2	65374	1	Electric Throttle Motor	9	91411	2	1/4-20 Hex Nut G5
3	65375	1	Electric Throttle Arm, Tecumseh	10	68863	1	Choke Light Switch
	94572	1	Electric Throttle Arm, Honda	11	68858	2	4-40 x 3/4 Button Cap Screw
4	67091	3	6-32 x 5/8 Button Cap Screw	12	68859	2	4-40 Hex Locknut GB Topping SS
5	91398	3	6-32 Hex Locknut GB Topping SS	13	68857	4	4 Flat Washer SS
6	90461	2	1/4-20 x 3/4 Hex Cap Screw G5	14	94574	1	Throttle Retainer, Honda
G = Grade				SS = Stainless Steel			



Miscellaneous Electrical Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	61548K	1	Plug Cover	ns	67241	1	Clutch Ground Wire
2	49304K	1	Plug Retainer Kit (2 Hooks)	ns	67527	1	Choke Switch Ground Wire
3	65340	AR	Clamp Loop #10	ns	66130	AR	Split Rubber Grommet 3/8 ID
4	65190	AR	Clamp Loop #6	ns	56099	1	Dielectric Grease Tube
5	93148	AR	1/4-14 x 3/4 Self-Driving Tap Screw	ns	67537	1	Relay Wire (White) – Premium Control
AR = As Required				ns = not shown			



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