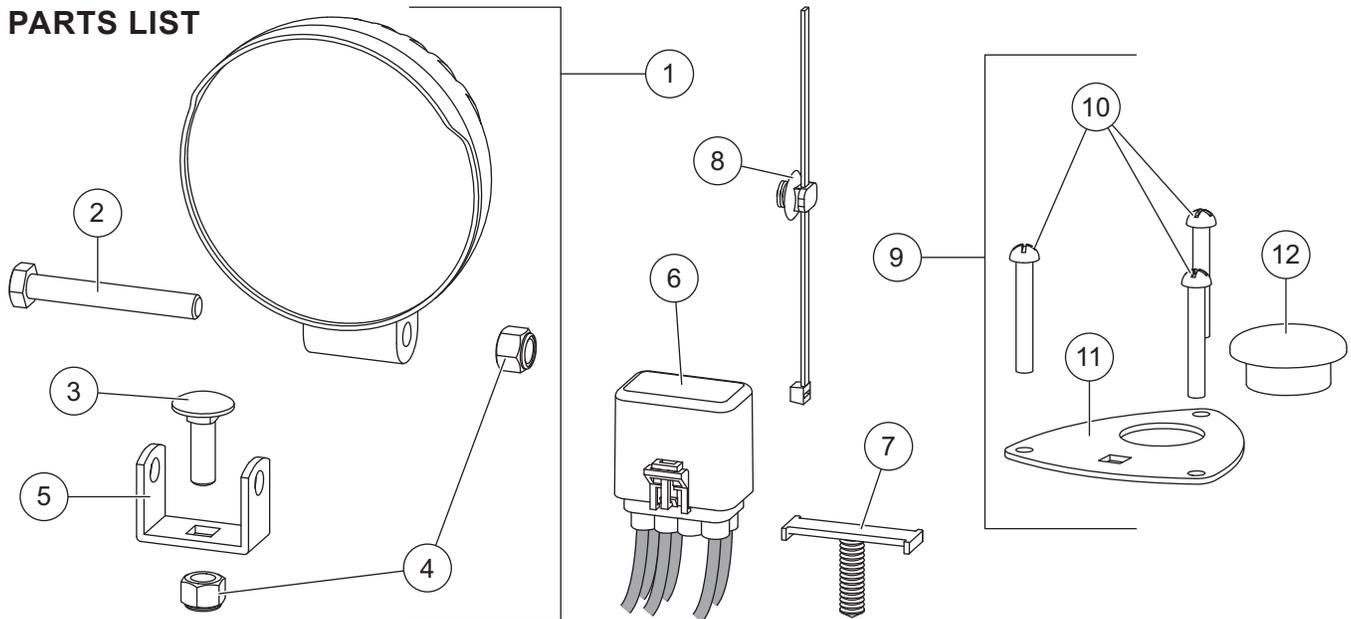


Primary Work Light Kit

Stainless Steel & Poly Hopper Spreaders with FLEET FLEX Electrical System

PARTS LIST



99505-1 Primary Work Light Kit							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	78377	1	LED Work Light	ns	78386	1	Harness Assembly – 72"
2		1	5/16-18 x 2 Hex Cap Screw	7		4	Bundling Clip
3		1	5/16-18 x 1-1/4 Carriage Bolt	8		4	Fir Tree Mount w/Cable Tie
4		2	5/16-18 Locknut	9	78562	1	Work Light Mounting Kit
5		1	Mounting Clip	ns		10	Cable Tie – 15"
6	78381	1	Harness & Relay/Fuse Assembly*				
Item 9				78562 Work Light Mounting Kit			
10		3	#10 x 1-1/2 Pan Head Phillips Screw SS	11		1	Mounting Bracket – Work Light
				12	99195	1	Break-Thru Plug
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

Read this document before installing the primary work light.

⚠ CAUTION

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

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.

Install Brackets and Lights

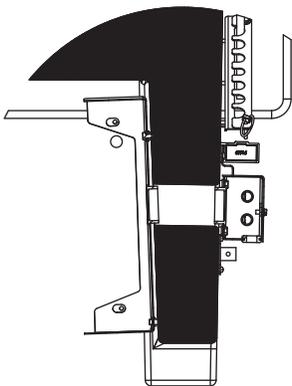
1. Park the vehicle on a smooth, level, hard surface, such as concrete. Turn the vehicle ignition to the "OFF" position and remove the key.

⚠ CAUTION

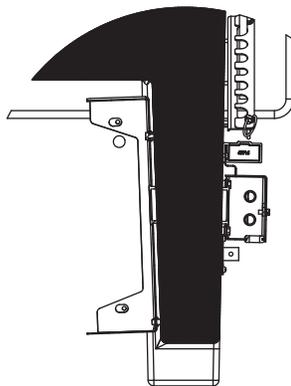
Before drilling holes, check to be sure that no vehicle wiring or other components could be damaged by drilling.

2. For poly hopper spreaders with a 3" molded-in leg hole, drill two 1-1/4" holes as shown. Harnesses will be fed through these holes. If holes are already present from an existing strobe light or the work light is being installed on a steel spreader, skip this step.

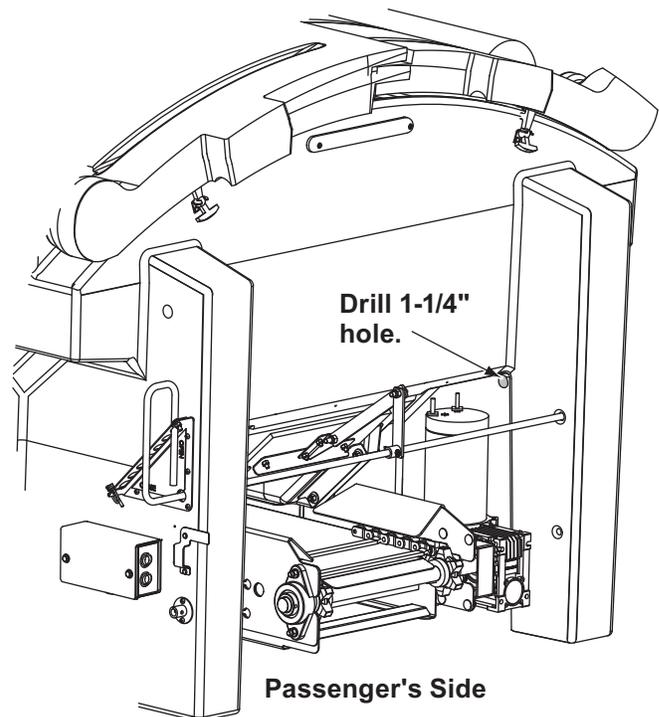
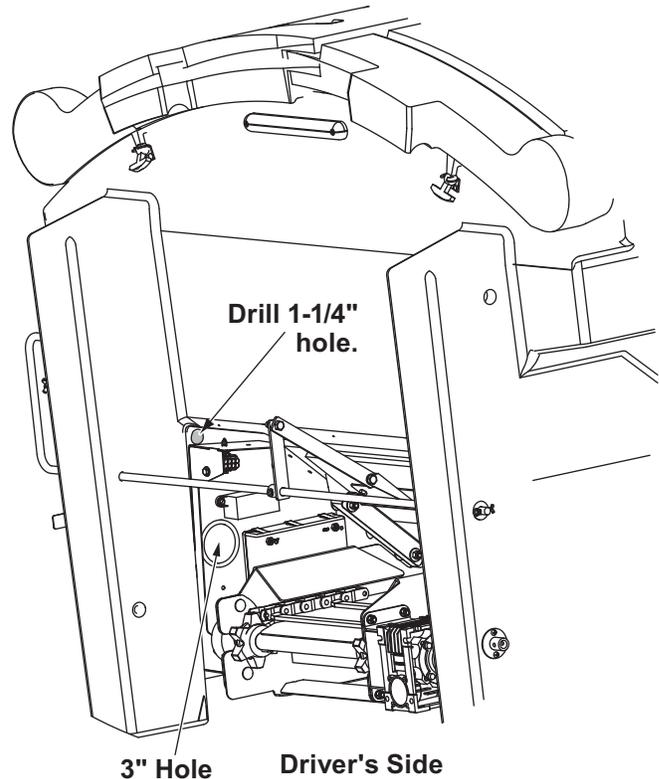
For Reference: 3" Molded-In Leg Hole



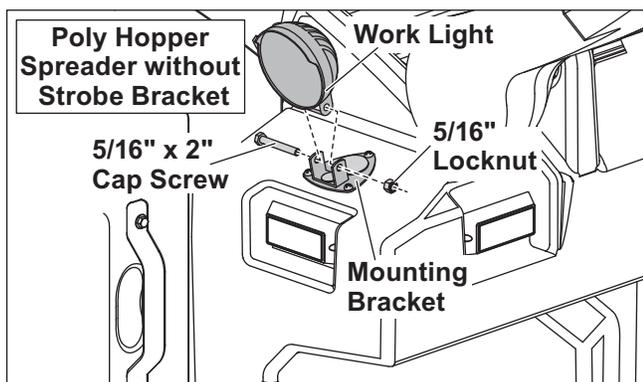
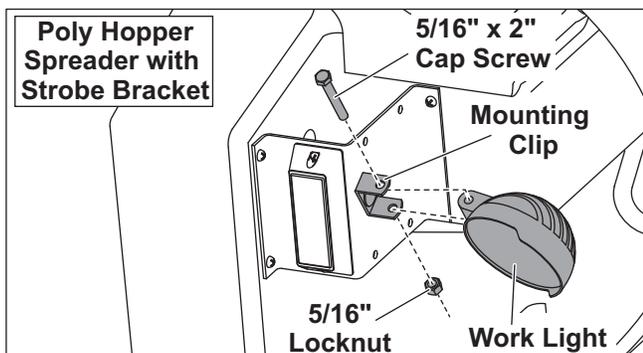
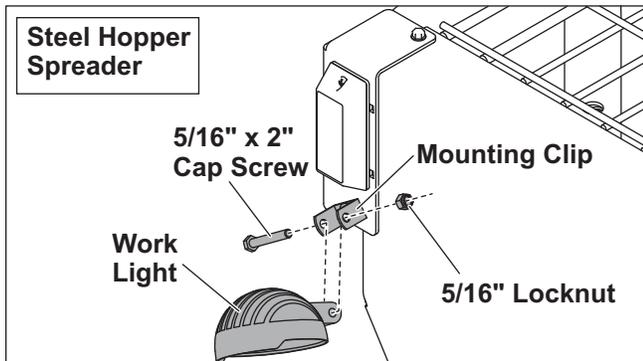
Molded-In Leg Hole



No Molded-In Leg Hole



- 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.



- 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.
- Aim the light in the desired direction, then fully tighten the locknut.
- Plug the work light harness into the matching connector on the work light.

7. Secure the work light harness:

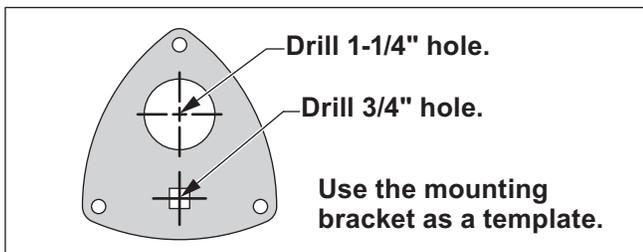
Stainless Steel Hoppers: *If the work light is being mounted on an existing strobe light bracket, secure the work light harness to the strobe light harness using the supplied cable ties.*

If the work light harness will not be mounted on an existing strobe light bracket, the fir tree mounts will be used to secure the harness between the work light and the electrical enclosure. Drill 1/4" holes in the desired locations for attaching the fir tree mounts. Push the fir tree mounts into the holes and secure the work light harness to the hopper with the attached cable ties.

NOTE: The 0.7 yd³ hopper spreader has knockouts in the end cap for use instead of drilled holes.

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.*

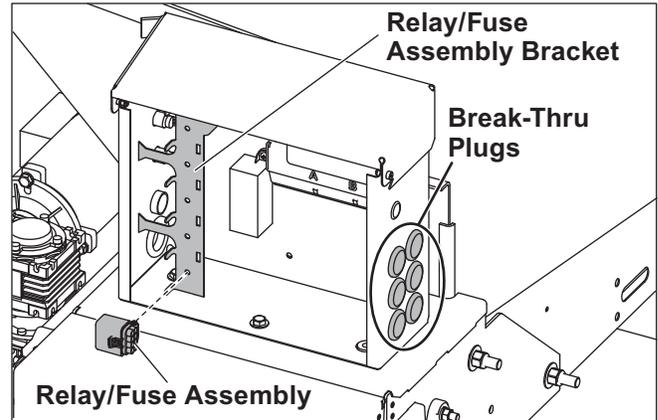
If the work light harness will not be mounted on an existing strobe light bracket, use the provided stainless steel mounting bracket. Position the mounting bracket in the desired location and use it as a template to drill through the poly hopper, as shown below.



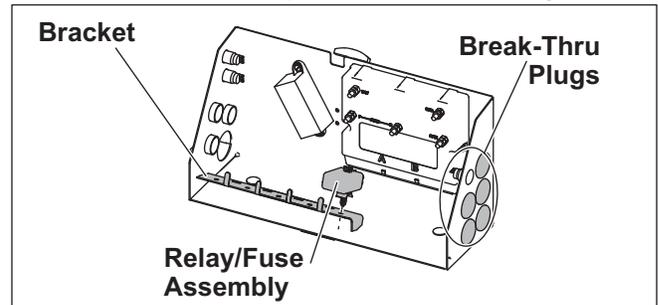
Install the work light and break-thru plug to the mounting plate. Pass the electrical connector through the provided break-thru plug and connect to the provided wiring harness. Install the harness into the 1-1/4" hole, then install the mounting plate to cover the two drilled holes.

8. **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.

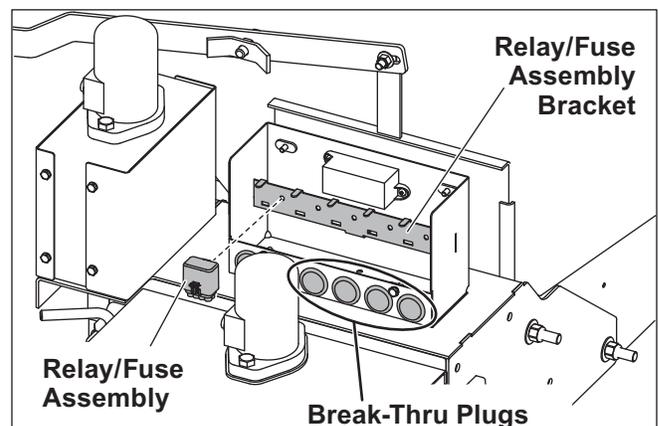
Stainless Steel Electric Spreader



Stainless Steel Spreaders – 0.35 & 0.7 yd³



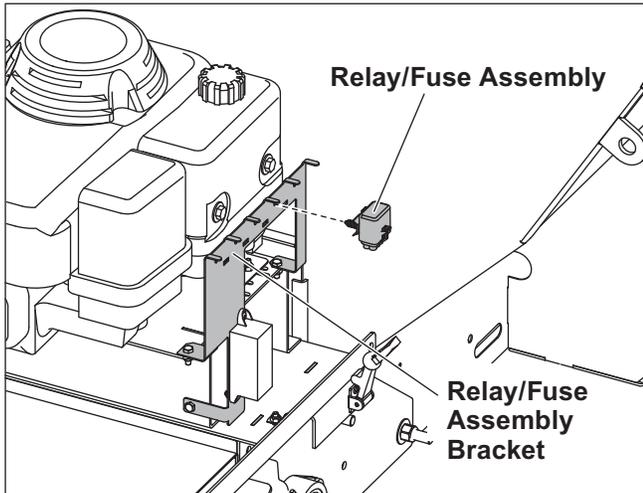
Hydraulic Spreader



Electrical enclosure covers and relay/fuse assembly wires not shown.

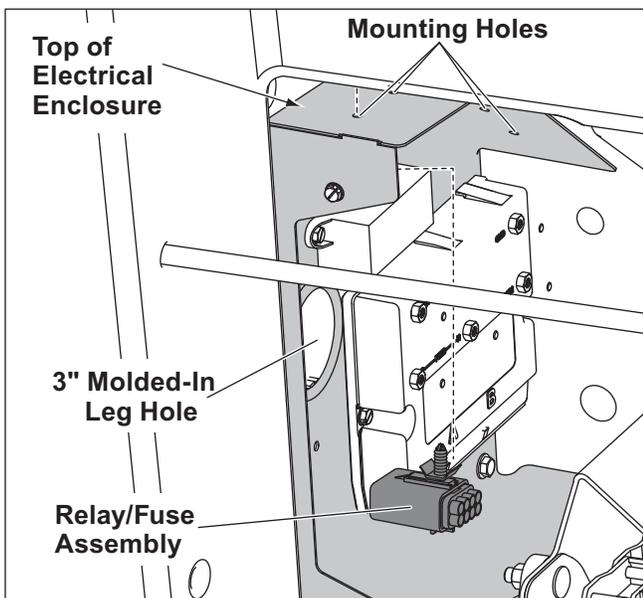
Gas Spreader: Route the harness into the engine compartment on the right side, just forward of the engine mounting plate, taking care to position the harness where the engine cover will not contact the harness when it is closed.

Gas Spreader



Poly Hopper Electric Spreaders without Molded-In Leg Hole: Remove the chute and the electrical cover. Route the harness into the large electrical enclosure either through the 3" molded-in leg hole or along the top of the electrical enclosure and into the back side behind the cover.

Poly Hopper Electric Spreader



Poly Hopper Electric Spreaders with Molded Leg Hole:

Passenger-Side Harness Routing:

1. Feed the two-way trailer plug end of the longest harness into the drilled hole behind the passenger-side work light. Thread the plug end through the hole on the inside of the hopper rear leg (located just above the conveyor motor).
2. Run the harness across the back of the hopper, following the conveyor motor's cable assembly.
3. Route the harness along the top of the electrical enclosure and into the back side behind the cover.
4. Plug the work light connector into the work light harness. Using the cable ties as needed, secure the harness to the work light bracket and existing motor cable.
5. Install the work light using the supplied screws.

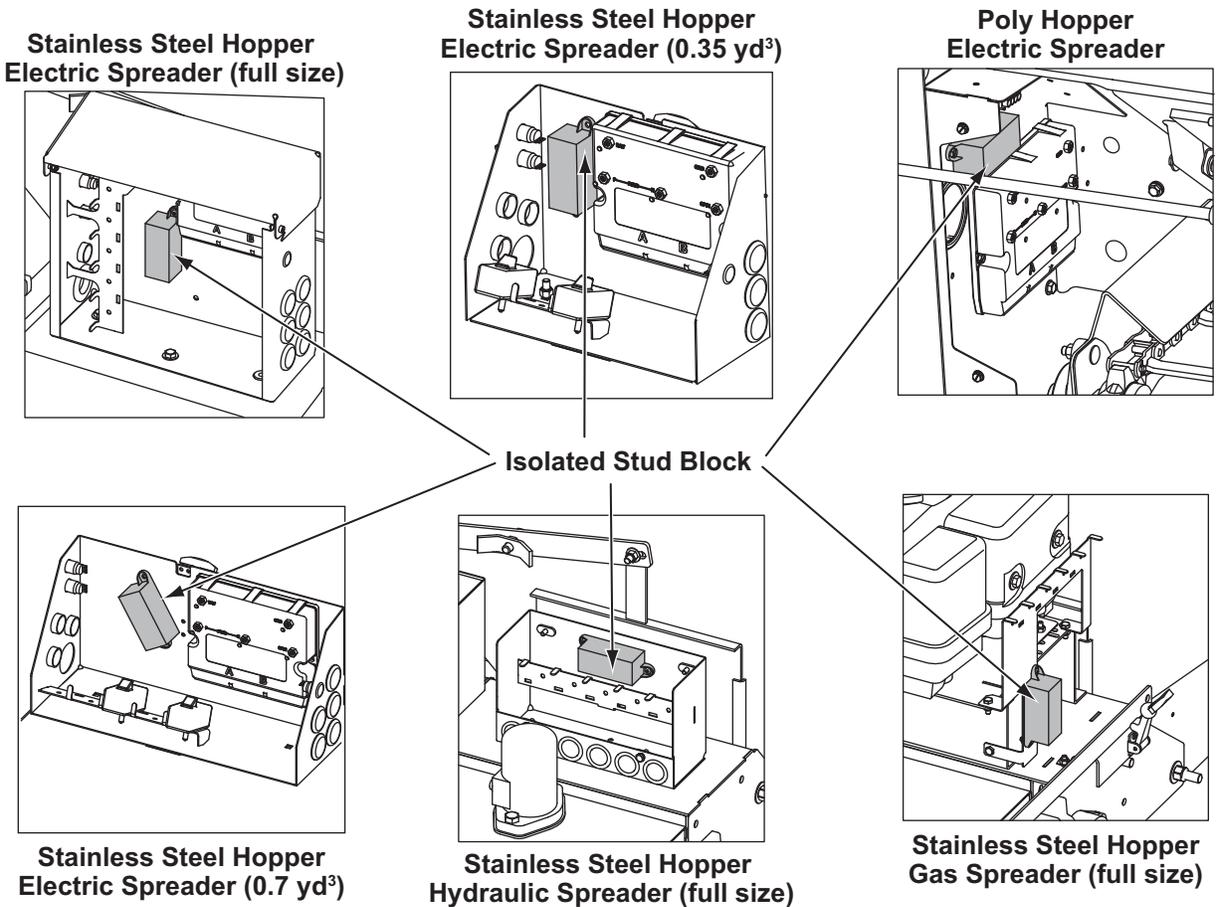
Driver-Side Harness Routing:

1. Feed the two-way trailer plug end of the shorter harness into the drilled hole behind the driver-side work light bracket. Thread the plug end through the hole on the inside of the hopper rear leg (located just above the electrical enclosure).
2. Route the harness along the top of the electrical enclosure and into the back side behind the cover.
3. Plug the work light connector into the work light harness. Using the cable ties as needed, secure the harness to the work light bracket.
4. Install the work light using the supplied screws.

Install Harness and Relay/Fuse Assembly

1. 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.
2. 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.)

3. 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.
4. 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.
5. **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 Hopper 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.



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