

Kit Includes

- Three (3) to Eight (8) Stage Series 5" LED Pods
- Two (2) to Seven (7) CrossLinks with hardware
- One (1) CrossLink endmount kit
- Two (2) to Seven (7) splitter wires
- One (1) Deutsch-style wire pigtail

Features

- Assemble multiple pods to create linked lightbars
- Engineered TIR (total internal reflection) optics
- Selectable backlight color, with eight color options
- Torture-tested, heavy-duty construction
- Ultra-high intensity: shines almost mile away

Specifications

- Input Voltage: 9-16V
- **Input Power:** SS5 Sport: 40 watts (Main Beam)
SS5 Sport: White: 3.2 watts, Yellow: 3 watts (Backlight)
SS5 Pro: 90 watts (Main Beam)
SS5 Pro: White: 3.2 watts, Yellow: 3 watts (Backlight)
- **Current Draw:** SS5 Sport: White: 3.125 amps @ 12.8V (Main Beam)
SS5 Sport: Yellow: 2.8 amps @ 12.8V (Main Beam)
SS5 Sport: White: 0.25 amps, Yellow: 0.24 amps @ 12.8V (Backlight)
SS5 Pro: 7 amps @ 12.8V (Main Beam)
SS5 Pro: White: 0.25 amps, Yellow: 0.24 amps @ 12.8V (Backlight)
- Operating Temperature: -40° to 185°F
- Weight: 10.5 lbs (3-pod), 13.5 lbs (4-pod), 17.5 lbs (5-pod),
20.5 lbs (6-pod), 23.5 lbs (7-pod), 27 lbs (8-pod)



Installation Instructions

Tools Needed: 4mm right angle Allen key, 5mm right angle Allen key, 10mm socket and ratchet or 10mm wrench

1. Identify the main components in the kit. There are links, end mount connectors and end mount bases. The links are attached in-between pods, and an end-mount assembly is placed on each end. The end-mount assembly allows you to attach the finished CrossLink lightbar to mounting brackets. The end-mount assemblies also provide some adjustment, to fine-tune the total length of the bar, or accommodate a slight angle for curved bars.



Link



End Mount Base



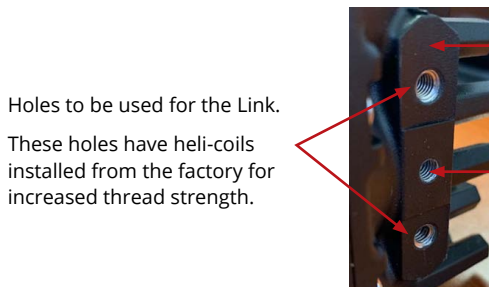
End Mount Connector

Start by connecting the pods together, then attach the end mounts. There should be one less link than the total number of pods. For instance, if you are building a 4-pod CrossLink bar, there should be three links.

2. Position a link on a pod as shown, with the open side facing forward. Each link will attach to the pods using two M5-size socket head cap screws on each side. Use the outer-most holes. The center hole should be plugged to protect the threads. Plug all center holes, using the included set screws.

3. Attach the link to one pod, using two screws. Do not tighten any screws down until the entire bar is assembled.

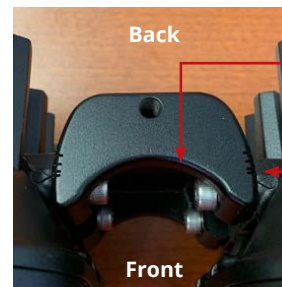
4. Connect the other side of the link to the next pod, and work your way across. Make sure the pods are all facing the same direction, with the connector located on the bottom of the pod.



Holes to be used for the Link.
These holes have heli-coils installed from the factory for increased thread strength.

These are curved surfaces and allow for angle adjustment between the link and pod.

Holes not used for the Link.
Can plug with M5 set screw.



Back

Front

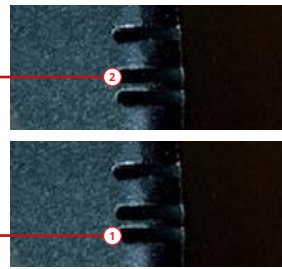
Curved open side of the Link faces forward. Flat side with the DD logo faces rearward.

Indicator slots on the link to be lined up with the indicator arrow on the pod housing.

See back for further instructions.

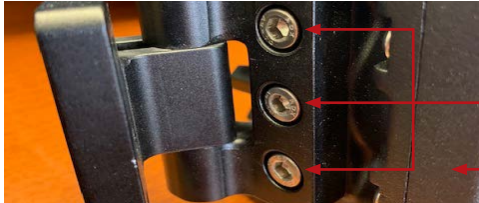


Select Your Curvature. The CrossLink technology allows you to build a straight or curved lightbar. Indicator markings are provided on each link and pod, to be used for reference.



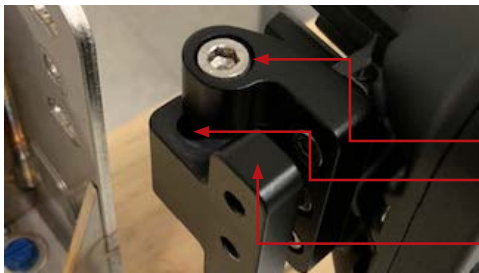
5. Select your indicators. The front edge of indicator ① should be used to build a straight bar. The front edge of indicator ② will produce a curvature that matches most standard 50-inch curved lightbars. For a more aggressive curve, use indicator ③ or ④. You may have to adjust and experiment to achieve your specific desired degree of curvature.

6. Once the curvature is correct, or you've confirmed everything is perfectly straight, hand-tighten all fasteners with 4mm allen key. Be sure that links do not shift while tightening, or twist. The indicators should match at the top and bottom of each pod, to avoid a twist in the assembly.



7. Attach the end-mounts. First, attach the end mount connector to the pod as shown. The pivot point should be on the rear side of the pod. You will use all three mounting holes. Fully tighten the three M5 socket head cap screws with the 4mm allen key. Repeat for the other end of the bar.

End mount connector should be installed as shown. The pivot should be on the rearward side of the mounting holes.
Front



8. Loosely attach the end-mount base to the end mount connector, using the long M6 socket-head screw. Secure loosely, using a 5mm allen key. Note that the slotted section of the end-mount will allow for some adjustment of total length or curvature. Repeat for the other side. On one side, the long screw will be inserted from the top, and on the other, it will be inserted from the bottom.

Do not tighten the M6 bolt until the bar is installed on the vehicle.
This slot allows for adjustability and for the bar to be curved. With a straight bar the slot may not be visible from this view.
End mount base should be installed as shown. The slotted mounting surface should face towards the pod.



CrossLink Supports. These supports attach to a link, and are intended to stabilize the bar on longer windshield applications. If your kit includes one support, install it in the middle of the bar. If your kit includes two supports, space them evenly on the bar.

9. If applicable, attach CrossLink Supports to the bar as shown. First, attach the support mount to a link, using the included M6 hardware. Then loosely attach the L-bracket using the included M8 screw, washer, and nut. Finally, attach the M6 rubber bumper to the L bracket using the included M6 nut.

10. **Wiring.** Locate the Link Wire Harnesses, and begin daisy-chaining each pod together, starting at one end. There should be one less Link Wire Harness than the total number of pods. When finished, there should be an open connector at one end of the lightbar, where you will connect your main wiring harness.

NOTE: If you purchased a 5-8 pod Pro lightbar, you will have CrossLink Splitters and a single Terminating Splitter. The Crosslink Splitter is used for all but one splitter harness connection, which is for the Terminating Splitter. The Terminating Splitter should connect the two S55 pods on the opposite end of the wiring harness.

11. With the end-mounts and any supports loosely installed, and the wiring daisy-chained together, it is now time to mount the pod bar in its final location. We recommend having a friend available to help. Use the included M6 flange-head bolts and a 10mm socket. The bolts should be placed through your vehicle's mounting bracket, then threaded into the end-mount on each side of the bar. Start with the center bolt, and then attach the top and bottom bolts.

12. Make sure the bar is positioned evenly between the vehicle mounting brackets. If necessary, loosen the link connectors to adjust the curvature, to fine-tune the fitment. Once the desired positioning and curvature is achieved, fully tighten the long M6 screws on the end mount connector. Finally, if applicable, adjust and extend the CrossLink Supports to contact the vehicle, then tighten down to secure.

13. Check that all fasteners are tight. Complete installation by powering the lightbar with adequately-sized wiring harness. Any wiring used must be appropriately fused - if unsure, contact a professional electrical installer.

This installation guide is for the following SKUs:

- S55 CrossLink 3-Pod Lightbar, White Combo (DD6792 Sport, DD7238 Pro)
- S55 CrossLink 3-Pod Lightbar, Yellow Combo (DD6793 Sport, DD7239 Pro)
- S55 CrossLink 3-Pod Lightbar, White Driving (DD7204 Sport, DD7250 Pro)
- S55 CrossLink 3-Pod Lightbar, Yellow Driving (DD7205 Sport, DD7251 Pro)
- S55 CrossLink 4-Pod Lightbar, White Combo (DD6794 Sport, DD7240 Pro)
- S55 CrossLink 4-Pod Lightbar, Yellow Combo (DD6795 Sport, DD7241 Pro)
- S55 CrossLink 4-Pod Lightbar, White Driving (DD7206 Sport, DD7252 Pro)
- S55 CrossLink 4-Pod Lightbar, Yellow Driving (DD7207 Sport, DD7253 Pro)

- S55 CrossLink 5-Pod Lightbar, White Combo (DD6796 Sport, DD7242 Pro)
- S55 CrossLink 5-Pod Lightbar, Yellow Combo (DD6797 Sport, DD7243 Pro)
- S55 CrossLink 5-Pod Lightbar, White Driving (DD7208 Sport, DD7254 Pro)
- S55 CrossLink 5-Pod Lightbar, Yellow Driving (DD7209 Sport, DD7255 Pro)
- S55 CrossLink 6-Pod Lightbar, White Combo (DD6798 Sport, DD7244 Pro)
- S55 CrossLink 6-Pod Lightbar, Yellow Combo (DD6799 Sport, DD7245 Pro)
- S55 CrossLink 6-Pod Lightbar, White Driving (DD7210 Sport, DD7256 Pro)
- S55 CrossLink 6-Pod Lightbar, Yellow Driving (DD7211 Sport, DD7257 Pro)

- S55 CrossLink 7-Pod Lightbar, White Combo (DD6800 Sport, DD7246 Pro)
- S55 CrossLink 7-Pod Lightbar, Yellow Combo (DD6801 Sport, DD7247 Pro)
- S55 CrossLink 7-Pod Lightbar, White Driving (DD7212 Sport, DD7258 Pro)
- S55 CrossLink 7-Pod Lightbar, Yellow Driving (DD7213 Sport, DD7259 Pro)
- S55 CrossLink 8-Pod Lightbar, White Combo (DD6802 Sport, DD7248 Pro)
- S55 CrossLink 8-Pod Lightbar, Yellow Combo (DD6803 Sport, DD7249 Pro)
- S55 CrossLink 8-Pod Lightbar, White Driving (DD7214 Sport, DD7260 Pro)
- S55 CrossLink 8-Pod Lightbar, Yellow Driving (DD7215 Sport, DD7261 Pro)