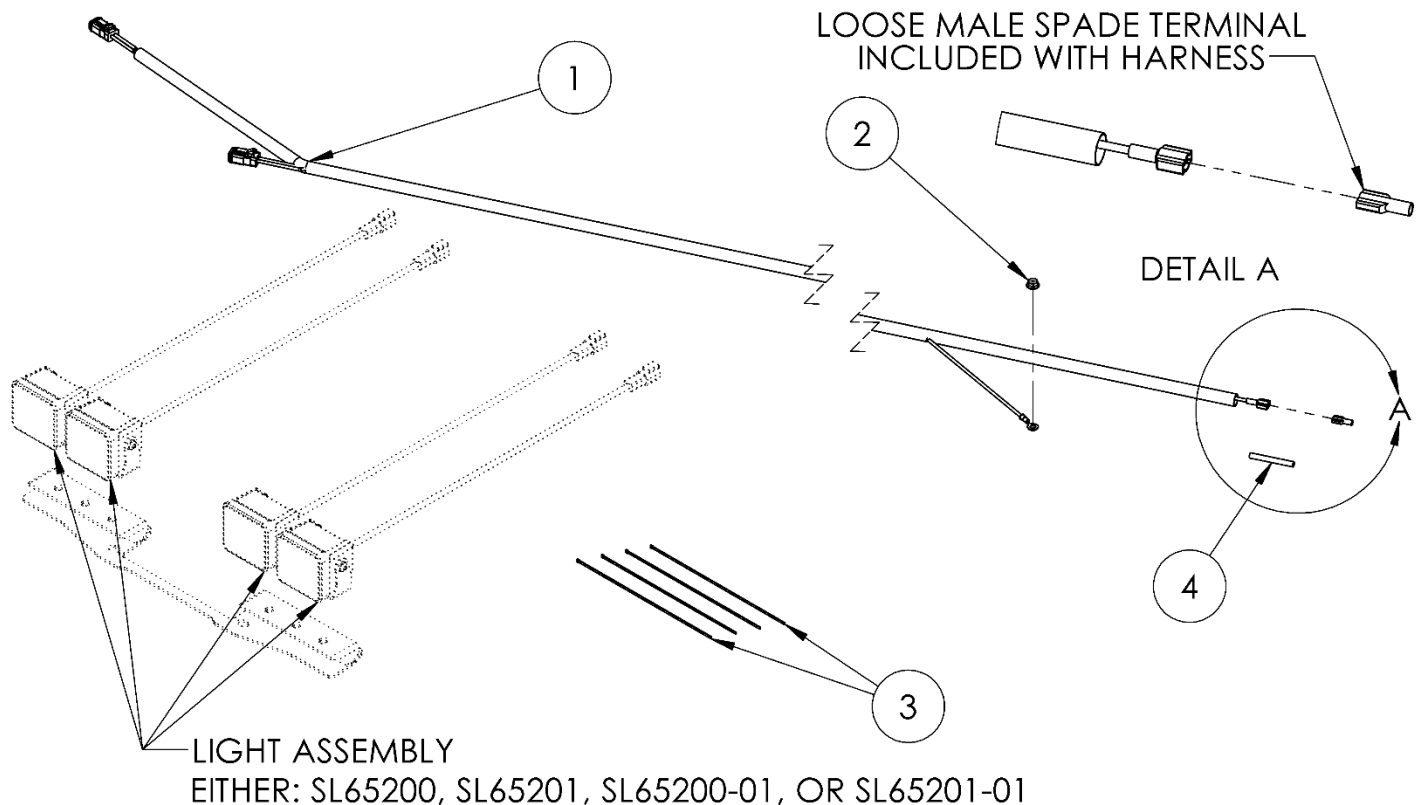


# SL5270-01W

2024-UP FORD RANGER, RAPTOR,  
BUMPER LIGHT HARNESS KIT

# MBRP®

THIS KIT IS INTENDED TO ADD TWO ADDITIONAL LIGHT ASSEMBLIES TO SL5270-01 BUMPER LIGHT KITS



ITEM	DESCRIPTION	QTY.
1	WIRING HARNESS	1
2	M6x1.0 FLANGE NUT	1
3	8" CABLE TIE	4
4	HEAT-SHRINK TUBING	1

Refer to this LOT NUMBER when contacting customer service: \_\_\_\_\_

## PLEASE READ BEFORE STARTING INSTALLATION

While MBRP has made every effort to ensure that all components of this system are of superior quality and properly packaged, it is the installer's responsibility to ensure the following:

- that ALL components shown above are present.
- that ALL mating components fit together.
- that there are no damaged components.
- that the system you have purchased is appropriate for your vehicle year, model and configuration.
- that the system will not interfere with any modifications previously installed or planned.
- that you have read and understand these instructions.

If you have any questions or are uncertain about any aspect of the installation of this system to your vehicle please contact your dealer before commencing installation.

## GET READY TO SHINE BRIGHTER!

1. Disconnect the negative battery cable.

1. Mount then assemble the desired **Light Assembly** combination onto the **Bumper Bracket** prior to installing on vehicle. If vehicle is equipped with an engine block heater, the plug will need to be relocated to use the outside passenger-side mounting position on the bracket.

Refer to Figure 1.

2. Remove the five plastic rivets on the upper section of the bumper valance and the five 10mm bolts on the lower section of the bumper valance. Remove the two 10mm bolts securing the bottom of the license plate bracket if equipped. Retain all hardware for installation.

Refer to Figure 2.

4. Gently pull the bumper valance to disengage retaining clips, then push around the license plate bracket. Disconnect front distance sensor connector to remove the valance from vehicle. Set aside the valance and all hardware, retaining for installation.

5. Remove the two 10mm bolts securing the adaptive cruise control sensor bracket to the bumper structure, retain for installation.

Refer to Figure 3.

6. Available auxiliary switch wiring locations are shown in **Figure 4**. Refer to vehicle manual for wire and switch identification. Route the supplied **Wiring Harness** from the desired wire location, down between the driver side headlight and the front vehicle structure, pulling through near the driver side tow hook position then back up into the bumper valance opening. Using a guide wire can help with installation. Secure the **Wiring Harness** with **Cable Ties** where required. Disengage retaining clip for the distance sensor connector if required to route the harness into bumper opening.

Refer to Figure 4.

7. Strip the preferred auxiliary switch wire and attach the supplied loose male spade terminal. For a more permanent connection, strip the preferred auxiliary switch wire and the wire on the **Wiring Harness** with the female spade terminal, then solder and shrink tube these wires together using the supplied **Heat-Shrink Tubing**.



Figure 1

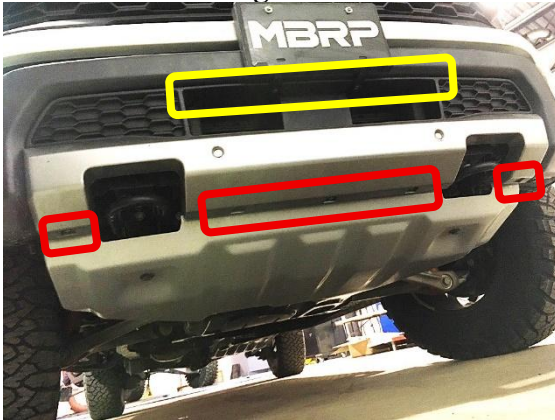


Figure 2



Figure 3



Figure 4

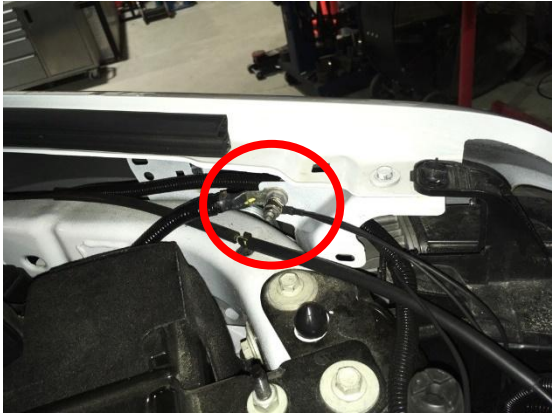


Figure 5

8. Secure the ring terminal of the ground wire to the ground stud on the driver-side fender using supplied **M6 Flange Nut**.  
**Refer to Figure 5.**

9. Mate the connectors from the auxiliary switch wire and the **Light Assemblies** to the **Wiring Harness**, test for functionality. Secure the **Wiring Harness** using **Cable Ties**. Ensure adequate clearance to all moving, hot and sharp components is maintained.

10. Install the **Bumper Bracket** with the **Light Assemblies** fitted on top of the OEM sensor bracket using the retained 10mm bolts.

**Refer to Figure 3.**

11. Reinstall the OEM front bumper valance, starting by re-connecting distance sensor connector and reversing steps 1 through 4 above. Reconnect the negative battery cable and adjust the **Light Assemblies** to the desired position.

**Refer to Figure 6.**



Figure 6



**Congratulations!** You are ready to begin experiencing the improved performance and illumination pleasure of your **MBRP** performance bumper light kit. We know you will enjoy your purchase.