LED Cargo Light
With Motion Sensor

Kits 23003611SK and 23003612SK

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NOTE: The information in this document is generic. Images and procedures may differ from those for vehicles you are servicing. Because Utilimaster manufactures customized vehicle solutions, this document cannot list and illustrate every possible option for every vehicle. The most common body options are described here. Use this information as a guideline.
Introduction

This document provides instructions for the installation of LED cargo light with motion sensor designed for Utilimaster Corporation into the Ram ProMaster™ cargo van.

This manual contains drawings and photos to aid in servicing the vehicle. It may include maintenance information on some items provided but not manufactured by Utilimaster Corporation. Items such as drivetrain components and certain interior furnishings may be covered by separate manufacturer-supplied information. Information provided here is intended to assist Utilimaster customers and is in no way meant to replace or supersede instructions provided by other suppliers for their products.
Notes, Cautions, and Warnings

Reading through the procedures, you will see NOTES, CAUTIONS, and WARNINGS. Each is there for a specific purpose.

NOTES give additional information that will help you complete the procedure.
CAUTIONS warn against making an error that could damage the vehicle.
WARNINGS remind you to be careful when there is risk of personal injury.

Below are some basic WARNINGS that you should heed when you work on the vehicle’s body. They are not all-inclusive and common sense must be used when servicing vehicles.

- Always read and understand all instructions before starting.
- Always wear safety glasses and other appropriate protective equipment (gloves, steel-toed shoes, face shields, knee pads, hearing protection).
- Put the transmission in Park, and set the parking brake before working on the vehicle.
- Be sure that the ignition switch is Off unless otherwise required by the procedure.
- Keep your hair, clothing, and body away from all moving parts such as engine pulleys and power tools.
- Always remove rings, watches, hanging jewelry, and loose clothing before working in tight areas.
- Read and understand all warning labels.
- Always use proper ladders or scaffolding to perform required jobs.
- Always make sure tools are in proper working condition and have guards and safety devices in place.
- Use only the recommended tools for a specific job.
- If at any time you lack confidence in performing a specific repair procedure or in operating the tools safely to perform the repair, STOP! Call your local dealer or a Utilimaster representative.
Recommended Tools

WARNING: Always wear safety glasses and other proper protective equipment (gloves, steel-toed shoes, face shields, knee pads, hearing protection) as appropriate to the process.

Below are some tools that you will need for this process. There may be other commonly used hand tools required but not specifically mentioned.

- Drill with a #11 bit
- Rivet gun
- Electrical tape
- Hand torch
- Sta-Kon terminal crimping tool or equivalent
Kit Parts List

136" Wheel Base

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<th>DESCRIPTION</th>
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<td>LIGHT LED DOME 6 X 18 MOTION</td>
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118" and 159" Wheel Bases

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</tbody>
</table>

ProMaster—LED Cargo Light with Motion Sensor
Installation Instructions

1. Read and understand all instructions before starting work.
2. Validate the packing slip with the list of parts in the instructions.

Wire Harness Installation

WARNING: Always remove the (BLACK) Negative cable first and connect it last.

WARNING: Batteries that are improperly connected, jumped, or charged can potentially explode and discharge acid, causing vehicle damage and personal injury. Carefully follow the chassis manufacturer’s recommendations for those procedures.

WARNING: Battery posts and related accessories may contain lead and lead compounds. Wash hands after handling.

WARNING: Always wear proper protective equipment when working around batteries.

CAUTION: Note the location of the battery and the cable routing and reinstall in exactly the same way. When reattaching the Positive (RED) cables, the doubling of the two cables must be in the same positions as before.

Overview of LH cab floor (seat omitted for clarity)
3. Turn off ignition and all lights.

   *NOTE: Keep all fasteners for reinstallation.*

4. Remove (3) screws from the driver's side kick plate and set aside.

5. Remove (3) fasteners from the hand brake cover and set aside.
6. Remove (5) fasteners from LH lower B-pillar trim and set aside.

7. Remove screw covers from stepwell and (7) screws and set aside.
8. Remove battery access cover and master lock cover on positive terminals.

   NOTE: For information on batteries, see the RAM ProMaster User Guide.

9. Insert harness under cab mat into stepwell harness channel.

11. Tuck harness under the cab floor mat and behind the upper B-pillar cover.

12. Route harness behind the RH B-pillar.
13. Route wire harness through the LH harness channel to the center roof bow.


15. Secure LH lower B-pillar trim with (5) fasteners.

16. Secure hand brake cover with (3) screws.

17. Secure LH side kick plate with (3) screws.
Cargo Light Installation

**CAUTION: Use a drill stop to keep from drilling through the exterior roof panel.**

1. Secure light assembly to backer plate using (4) 3/16" rivets and snap in dome cover.

2. Use an #11 bit with drill stop and the backer plate holes as a guide to drill (4) holes into the roof bows.

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LED light and backer plate assembly

Drill holes in roof bows
3. Secure backer plate to roof bows with (4) 3/16" rivets

4. Connect the light to the wire harness.

5. Secure harness wire loom in battery well.

6. Connect the Positive (Red) and the Negative (Black) terminals to the battery master block and check that light turns on automatically and times off after 30 seconds.

7. Secure battery master block cover and battery access cover.
Revision Control

Document Part Number: 03104592-N005EN

Revision: C          October 2014
Revision: B          April 2014
Revision: A          March 2014

Important Notices

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Title: ProMaster—LED Cargo Light with Motion Sensor

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