

TYC 11-6339-00

TYC Right Tail Light Assembly

Model: 11-6339-00

INTRODUCTION

This instruction manual provides comprehensive guidance for the installation, operation, and maintenance of your new TYC Right Tail Light Assembly. Designed as an OE-comparable replacement, this assembly ensures precise fitment and reliable performance for your 2010-2013 Mazda Mazda3. Please read all instructions carefully before proceeding with installation.

SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Failure to follow these safety guidelines may result in injury or damage to the vehicle.

- Ensure the vehicle is turned off and the parking brake is engaged before beginning any work.
- Disconnect the vehicle's battery to prevent electrical shorts or accidental activation of electrical components.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- If you are unsure about any step, consult a qualified automotive technician.
- Handle the tail light assembly carefully to avoid damaging the lens or internal components.

PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.

- 1 x TYC Right Tail Light Assembly (full assembly with bulbs)

SETUP AND INSTALLATION

This section outlines the steps for installing the TYC Right Tail Light Assembly. The process is designed for a direct, hassle-free replacement.

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Turn off the ignition and remove the key. For added safety, disconnect the negative terminal of the vehicle's battery.
2. **Accessing the Old Tail Light:** Open the trunk or tailgate. Locate the access panel or trim covering the rear of

the tail light assembly. Carefully remove any fasteners (screws, clips) holding the trim in place and remove the trim.

3. **Disconnecting the Wiring Harness:** Locate the electrical connector attached to the back of the tail light assembly. Gently press the release tab and pull the connector to disconnect the wiring harness.
4. **Removing the Old Tail Light:** Identify the mounting bolts or nuts securing the tail light assembly to the vehicle body. Typically, there are 2-4 fasteners. Use an appropriate wrench or socket to loosen and remove these fasteners. Once all fasteners are removed, carefully pull the old tail light assembly straight out from the vehicle body. It may require a gentle wiggle to dislodge it from any alignment pins.
5. **Inspecting the New Assembly:** Before installation, inspect the new TYC Right Tail Light Assembly. Ensure the lens is clear and free of damage, and that all bulb sockets are intact and bulbs are properly seated.
6. **Installing the New Tail Light:** Align the new tail light assembly with the mounting holes and alignment pins on the vehicle body. Gently push the assembly into place until it sits flush.
7. **Securing the New Tail Light:** Reinstall the mounting bolts or nuts that secure the tail light assembly. Tighten them securely, but do not overtighten, as this can crack the plastic housing.
8. **Connecting the Wiring Harness:** Reconnect the electrical wiring harness to the new tail light assembly. Ensure the connection is firm and secure.
9. **Reinstalling Trim:** Reinstall any interior trim panels or access covers that were removed in step 2. Secure them with their original fasteners.
10. **Final Check:** Reconnect the vehicle's battery. Turn on the ignition and test all tail light functions (running lights, brake lights, turn signal, reverse light) to ensure proper operation.



Figure 1: Front view of the TYC Right Tail Light Assembly, showing the clear and red lens sections.



Figure 2: Rear view of the assembly, highlighting the bulb sockets and wiring connections for OE-comparable harness integration.



Figure 3: Side view illustrating the OE-comparable mounting provisions for a precise, drop-in fitment.

OPERATING

Once installed, the TYC Right Tail Light Assembly operates automatically with your vehicle's electrical system. The lights will illuminate according to the vehicle's controls (headlight switch, brake pedal, turn signal lever, reverse gear engagement).

- **Running Lights:** Activate when the vehicle's headlights or parking lights are on.
- **Brake Lights:** Illuminate when the brake pedal is pressed.
- **Turn Signal:** Flashes when the turn signal lever is engaged for a right turn.
- **Reverse Light:** Illuminates when the vehicle is shifted into reverse gear.

Regularly check all light functions to ensure they are working correctly for safe driving.

MAINTENANCE

The TYC Right Tail Light Assembly is designed for durability and requires minimal maintenance. However, periodic checks can help ensure its longevity and proper function.

- **Cleaning:** Clean the outer lens periodically with a soft cloth and mild automotive soap to remove dirt and grime. Avoid abrasive cleaners that could scratch the lens.
- **Bulb Replacement:** While the assembly comes with bulbs, they are consumable items. If a bulb burns out, replace it with a bulb of the correct type and wattage as specified by your vehicle's manufacturer. Refer to your vehicle's owner's manual for specific bulb types.
- **Connection Check:** Periodically inspect the electrical connection at the back of the assembly to ensure it remains secure and free of corrosion.
- **Physical Inspection:** Visually inspect the tail light assembly for any cracks, chips, or signs of moisture intrusion, especially after impacts or extreme weather conditions.

TROUBLESHOOTING

If you encounter issues with your tail light assembly, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light not illuminating	Burnt-out bulb Loose electrical connection Blown fuse	Replace the bulb Check and secure the electrical connector Inspect and replace the relevant fuse in the vehicle's fuse box (refer to vehicle manual)
Light flickering or dim	Poor electrical connection Corroded terminals Incorrect bulb type	Check and secure the electrical connector Clean any corrosion from terminals Ensure the correct bulb type is installed
Moisture inside the lens	Seal compromise Condensation (minor, temporary)	If persistent or significant, inspect for cracks or damage to the housing/seal. Small amounts of condensation may dissipate naturally.

If the problem persists after attempting these solutions, it is recommended to consult a professional automotive technician.

SPECIFICATIONS

Feature	Detail
Brand	TYC
Model Number	11-6339-00
OEM Part Number	BBM4-51-150F
ABPA Partslink Number	MA2801144
Compatible Vehicle	2010-2013 Mazda Mazda3
Auto Part Position	Right (Passenger Side)
Lens Color	Clear / Red
Lens Material	Glass
Special Feature	Waterproof
Assembly Required	No (Comes as full assembly with bulbs)
Item Weight	3.05 pounds
Compliance	Meets SAE/DOT regulations, FMVSS 108 compliant


WARRANTY AND SUPPORT



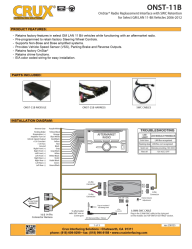
TYC automotive lighting products are manufactured to high quality standards. For specific warranty information and support inquiries, please refer to the warranty documentation included with your purchase or visit the official TYC website. Keep your proof of purchase for any warranty claims.

For additional assistance, you may contact TYC customer support through their official channels. When contacting support, please have your product model number (11-6339-00) and purchase details readily available.

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Related Documents - 11-6339-00

	<p>Mazda Service Bulletin 01-024/12: Rough Idle and Engine Stall in 2012 Mazda3</p> <p>Service bulletin detailing a fix for rough idle and engine stall issues in 2012 Mazda3 vehicles equipped with the SKYACTIV 2.0L engine, caused by high fuel temperatures during prolonged idling. The bulletin provides repair procedures including PCM reprogramming.</p>
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	<p>BMW X5 (E53) 2001-2003 Exterior/Interior Trim Repair Instructions</p> <p>Detailed repair instructions for the 2001-2003 BMW X5 (E53) 30i, covering exterior/interior trim, airbag safety, and front bumper servicing. Includes special tool information.</p>
	<p>LASER 7313 Engine Timing Tool Set for BMW M3 (S65)</p> <p>Comprehensive guide for the LASER 7313 Engine Timing Tool Set, designed for BMW M3 (S65) engines (2007-2013). Details components, applications, preparation, and installation instructions.</p>
	<p>Dynamic MX 2000 Parts List and Diagram</p> <p>Official parts list and exploded view diagram for the Dynamic MX 2000 mixer, including part codes, descriptions, and prices. Find replacement parts for your Dynamic mixer.</p>
	<p>Nitrous Outlet 2010-2015 Camaro Rear Hatch Nitrous Bottle Bracket Installation Guide</p> <p>Comprehensive installation instructions for the Nitrous Outlet 2010-2015 Camaro Rear Hatch 10lb & 15lb Nitrous Bottle Bracket (Part Number: 00-33002). Learn how to properly mount your nitrous bottle for your Chevrolet Camaro.</p>
	<p>CRUX ONST-11B: GM OnStar & SWC Retention Interface Installation Guide (2006-2012)</p> <p>This document provides installation instructions and configuration details for the CRUX ONST-11B OnStar® Radio Replacement Interface with SWC Retention. It is designed for select GM LAN 11-Bit vehicles from 2006-2012, allowing the integration of an aftermarket radio while retaining essential factory features like OnStar and Steering Wheel Controls. Includes wiring diagrams, DIP switch settings for various radio brands, troubleshooting tips, and vehicle compatibility lists.</p>