



## COMP CAMS ROLLER LIFTERS

# INSTALLATION INSTRUCTIONS

### PART NUMBERS

|          |         |        |        |           |        |         |          |         |
|----------|---------|--------|--------|-----------|--------|---------|----------|---------|
| 8956-16  | 818-8   | 815-16 | 838-16 | 866-16    | 888-16 | 868-12  | 8992-16  | 894-16  |
| 8043-16  | 823-16  | 818-16 | 839-16 | 871-16    | 891-16 | 895-16  | 8993-16  | 899-16  |
| 828-16   | 840-16  | 819-16 | 849-16 | 871873-16 | 893-16 | 896-16  | 8995-16  | 8996-16 |
| 87879-16 | 841-16  | 829-16 | 859-16 | 873-16    | 897-16 | 898-16  | 87019-16 | 897-12  |
| 881-16   | 8958-16 | 836-16 | 861-16 | 883-16    | 814-12 | 8991-16 | 890-16   |         |

**Thank you** for choosing **COMP Cams®**. We are proud to be part of the **Edelbrock Group®** family of performance brands and appreciate your trust in our products. **COMP Cams** is dedicated to pushing the limits of valvetrain performance and innovation.

These instructions provide the necessary information for the proper installation and use of your product.

**Please read** these instructions completely before beginning installation to ensure safe and correct operation.

Most installations can be completed using standard tools and accepted procedures; however, a basic level of mechanical knowledge is recommended. If you are not comfortable performing this installation, it is strongly recommended that a qualified professional complete the work.

### BEFORE YOU BEGIN

- ☐ **Verify this product is compatible with your application**
- ☐ **Read all instructions before starting installation**
- ☐ **Ensure all required tools and parts are available**
- ☐ **Work on a clean surface and keep components free of debris**

## IMPORTANT NOTICE

**Proper installation is the responsibility of the installer. Failure to follow instructions may result in poor performance, engine or vehicle damage, and may void the warranty.**

### CARE AND INSPECTION

**Remember**, when using solid roller lifters, the lifters receive oil only from windage created by the rotating assembly. Excessive idling or operation at very low RPM may reduce oil supply to the lifters, causing premature wear to the axles, bearings, or roller wheels. This may result in extensive engine damage.

Periodically **inspect** the roller lifters for wear to the roller wheels and bearings. If **valve lash** requires adjustment more frequently than normal, this may indicate accelerated lifter wear. Regular inspection can help determine when the roller lifters require rebuilding.

### PRE-INSTALLATION

1. **Thoroughly wash** all new roller lifters with mineral spirits or parts-washing solvent to remove assembly grease.
2. After cleaning, **soak** the lifters in engine oil to ensure the bearings are fully saturated.

### INSTALLATION

1. If the lifters use a link bar, **locate** the word **"UP"** or an **arrow (↑)** indicating the installation direction. **Install** the lifters with these markings facing the center of the engine.
2. **Verify** lifter-bore-to-lifter clearance. **Contact** the engine builder or block manufacturer for the specified clearance.
3. **After installing** the lifters, avoid allowing the engine to sit for an extended period before startup to help prevent the oil film from breaking down.

### VALVE LASH ADJUSTMENT

1. **Rotate** the engine in its normal direction of rotation. **Begin** with **cylinder #1**.
2. When the exhaust valve begins to open, **adjust** the intake valve to the **valve lash** specified by the **camshaft manufacturer**.
3. **Verify** that the **pushrod** is **fully seated** in the lifter and rocker arm while making the adjustment.
4. **Continue rotating** the engine until the intake valve reaches maximum lift and is nearly fully closed.
5. **Adjust** the exhaust valve to the specified valve lash using the same procedure.
6. **Repeat** this procedure for **each cylinder** until all valves have been adjusted.

### SUPPORT

If you have any **questions** or require **technical assistance**, please contact **COMP Cams Technical Support**, 7:00 AM – 5:00 PM (CST) Monday-Friday, **1-800-999-0853**.

You can also contact us through our website, **www.compcams.com**

# GENERAL WARRANTY INFORMATION

## LIMITED WARRANTY

Thank you for choosing an **Edelbrock Group®** product. **Edelbrock Group** warrants that each new product is free from defects in material and workmanship for the applicable warranty period, provided the product is:

- **Properly installed**
- **Used under normal operating conditions**
- **Properly maintained**
- **Not modified or altered**
- **Not damaged through misuse, abuse, negligence, or unauthorized repair**

This warranty applies only to the original purchaser. If you believe your product is defective, contact **Edelbrock Group Technical Support** before returning the product. Products approved for warranty inspection must be returned freight prepaid with proof of purchase and a description of the issue. If inspection confirms a defect in material or workmanship, **Edelbrock Group** will, at its discretion, repair or replace the product. This warranty covers the product only and does not include labor, removal, installation, shipping, or incidental expenses unless otherwise required by law.

## LIMITATION OF LIABILITY

To the maximum extent permitted by law, **Edelbrock Group** shall not be liable for incidental, consequential, property, or personal injury damages resulting from the use or installation of its products. Any implied warranties, including merchantability and fitness for a particular purpose, are limited to the duration of the applicable warranty period unless otherwise prohibited by law.

## OFF-HIGHWAY USE

Many **Edelbrock Group** products are intended for off-highway use only. Installation of off-highway products on pollution-controlled vehicles may violate federal, state, or local emissions regulations and may void the vehicle manufacturer's warranty. Always verify local emissions regulations before installation.

## COMP CAMS / LUNATI WARRANTY

### Warranty Period

One Year

Limited Lifetime on designated products.

### Special Conditions

RMA required

Racing exclusion

Marine exclusion

Installer responsibility

## TECHNICAL SUPPORT

For product or installation assistance, contact **Edelbrock Group Technical Support**:

**800-999-0853 Monday–Friday 7:00 AM – 6:00 PM CST**

## LEGAL RIGHTS

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

## CALIFORNIA PROPOSITION 65 WARNING

This product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.



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