Melling Performance Oil Pumps

**Melling Part Number** | **Description**
--- | ---
**10295** | Standard volume, high pressure oil pump. Performance upgrade of the M295. +10 psi higher pressure than M295.

The 10295 can be used on any GM Gen III application that uses the stock replacement M295 oil pump.

**Features**
- Exclusive rotor design with improved strength
- Hard coat anodized aluminum housing
- Phosphate coated cast iron cover
- High pressure (+10 psi) spring installed
- Includes optional standard pressure spring
- Includes optional +25 psi spring for COPO applications
- Threaded pressure relief nut
- Uses 7/8" stock bolt-on oil pickup tube assembly
- Includes O-rings for oil pickup tube assembly

**Melling Part Number** | **Description**
--- | ---
**10296** | High volume, high pressure oil pump
Performance upgrade of the M295. +10 psi higher pressure and +18% higher volume than M295 and 10295.

The 10296 can be used on any GM Gen III application that uses the stock replacement M295 oil pump.

**Features**
- Exclusive high volume (+18%) rotor design
- Hard coat anodized aluminum housing
- Phosphate coated cast iron cover
- High pressure (+10 psi) spring installed
- Includes optional standard pressure spring
- Threaded pressure relief nut
- Uses 7/8" stock bolt-on oil pickup tube assembly
- Includes O-rings for oil pickup tube assembly


GM/Saab/Isuzu LS Engines 4.8L, 5.3L, 5.7L, 6.0L & 6.2L
Melling Performance Timing Sets

48560T-9

<table>
<thead>
<tr>
<th>Melling Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48560T-9</td>
<td>Performance Timing Set. Performance upgrade of the 3-3SRH60S &amp; 3-3SRH60SA</td>
</tr>
</tbody>
</table>

Features

- Premium race billet steel timing set
- .250" single roller timing chain
- Induction heat treated billet steel 9 Keyway adjustable crankshaft sprocket
- For use with 1x camshaft sensor, 24x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket
- One piece Torington thrust bearing
- Standard center distance

48561T-9

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Features

- Premium race billet steel timing set
- .250" double roller timing chain
- Induction heat treated billet steel 9 Keyway adjustable crankshaft sprocket
- For use with 1x camshaft sensor, 24x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket
- One piece Torington thrust bearing
- Includes oil pump shims
- Standard center distance
### Melling Performance Timing Sets

<table>
<thead>
<tr>
<th>Melling Part Number</th>
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<tbody>
<tr>
<td>48562-6</td>
<td>Performance Timing Set. Performance upgrade of the 3-3SRH60S</td>
</tr>
</tbody>
</table>

**Features**
- Premium race billet steel timing set
- .250” fixed single roller timing chain
- Induction heat treated billet steel 6 Keyway adjustable one piece crankshaft sprocket
- For use with 4x camshaft sensor, 58x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket
- Sprockets are manganese phosphate coated
- Standard center distance

### Melling Performance Camshaft Accessories

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<th>Melling Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>5461-LPK</td>
<td>Performance Camshaft Bolt Lock Plate</td>
</tr>
</tbody>
</table>

Prevents costly valve train and engine damage by preventing the camshaft bolts from loosening.

**Features**
- High quality hardened steel
- 3 bolt attachment for secure mounting
- Installation bolts included
### 5.3 (325) OHV - 1999-14 - 8 Cyl. - 3.78 Bore GEN III, GEN IV Vortec

#### Melling Performance Oil Pumps

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<tr>
<th>Melling Part Number</th>
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| 10295               | Standard volume, high pressure oil pump. Performance upgrade of the M295. +10 psi higher pressure than M295. | - Exclusive rotor design with improved strength  
- Hard coat anodized aluminum housing  
- Phosphate coated cast iron cover  
- High pressure (+10 psi) spring installed  
- Includes optional standard pressure spring  
- Includes optional +25 psi spring for COPO applications  
- Threaded pressure relief nut  
- Uses 7/8” stock bolt-on oil pickup tube assembly  
- Includes O-rings for oil pickup tube assembly  

The 10295 can be used on any GM Gen III application that uses the stock replacement M295 oil pump.

| 10296               | High volume, high pressure oil pump Performance upgrade of the M295. +10 psi higher pressure and +18% higher volume than M295 and 10295. | - Exclusive high volume (+18%) rotor design  
- Hard coat anodized aluminum housing  
- Phosphate coated cast iron cover  
- High pressure (+10 psi) spring installed  
- Includes optional standard pressure spring  
- Threaded pressure relief nut  
- Uses 7/8” stock bolt-on oil pickup tube assembly  
- Includes O-rings for oil pickup tube assembly  

The 10296 can be used on any GM Gen III application that uses the stock replacement M295 oil pump.
Melling Performance Oil Pumps

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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>10355</td>
<td>Standard volume, high pressure oil pump. Standard volume performance upgrade of the M355. The 10355 can be used on any GM Gen IV application that uses the stock replacement M355 or M365 oil pumps.</td>
</tr>
</tbody>
</table>

**Features**
- Hard coat anodized aluminum housing
- Phosphate coated cast iron cover
- High pressure (+10 psi) spring installed
- Includes optional standard pressure spring
- Threaded pressure relief nut
- Uses 7/8" stock bolt-on oil pickup tube assembly
- Includes O-rings for oil pickup tube assembly

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<tbody>
<tr>
<td>48560T-9</td>
<td>Performance Timing Set. Performance upgrade of the 3-3SRH60S &amp; 3-3SRH60SA</td>
</tr>
</tbody>
</table>

**Features**
- Premium race billet steel timing set
- .250" single roller timing chain
- Induction heat treated billet steel 9 Keyway adjustable crankshaft sprocket
- For use with 1x camshaft sensor, 24x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket
- One piece Torington thrust bearing
- Standard center distance
### Features
- Premium race billet steel timing set
- .250” fixed single roller timing chain
- Induction heat treated billet steel 6 Keyway adjustable one piece crankshaft sprocket
- For use with 4x camshaft sensor, 58x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket
- One piece Torington thrust bearing
- Includes oil pump shims
- Standard center distance

### 48561T-9

**Performance Timing Set.** Performance upgrade of the 3-3SRH60S & 3-3SRH60SA

### Features
- Premium race billet steel timing set
- .250” double roller timing chain
- Induction heat treated billet steel 9 Keyway adjustable crankshaft sprocket
- For use with 1x camshaft sensor, 24x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket
- One piece Torington thrust bearing
- Includes oil pump shims
- Standard center distance

### 48562-6

**Performance Timing Set.** Performance upgrade of the 3-3SRH60S

### Features
- Premium race billet steel timing set
- .250” fixed single roller timing chain
- Induction heat treated billet steel 6 Keyway adjustable one piece crankshaft sprocket
- For use with 4x camshaft sensor, 58x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket
- Sprockets are manganese phosphate coated
- Standard center distance

---

**GM/Saab/Isuzu LS Engines 4.8L, 5.3L, 5.7L, 6.0L & 6.2L**

5.3 (325) OHV - 1999-14 - 8 Cyl. - 3.78 Bore  GEN III, GEN IV
5.3 (325) OHV - 1999-14 - 8 Cyl. - 3.78 Bore  GEN III, GEN IV Vortec

### Melling Performance Camshaft Accessories

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<th>Melling Part Number</th>
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<tbody>
<tr>
<td>5461-LPK</td>
<td>Performance Camshaft Bolt Lock Plate Prevents costly valve train and engine damage by preventing the camshaft bolts from loosening.</td>
</tr>
</tbody>
</table>

**Features**
- High quality hardened steel
- 3 bolt attachment for secure mounting
- Installation bolts included

### Melling Performance Oil Pumps

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<tbody>
<tr>
<td>10295</td>
<td>Standard volume, high pressure oil pump. Performance upgrade of the M295. +10 psi higher pressure than M295.</td>
</tr>
</tbody>
</table>

The 10295 can be used on any GM Gen III application that uses the stock replacement M295 oil pump.

**Features**
- Exclusive rotor design with improved strength
- Hard coat anodized aluminum housing
- Phosphate coated cast iron cover
- High pressure (+10 psi) spring installed
- Includes optional standard pressure spring
- Includes optional +25 psi spring for COPO applications
- Threaded pressure relief nut
- Uses 7/8" stock bolt-on oil pickup tube assembly
- Includes O-rings for oil pickup tube assembly

5.7 (350) OHV - 1997-05 - 8 Cyl. - 3.90 Bore LS1, LS6
GM/Saab/Isuzu
LS Engines 4.8L, 5.3L, 5.7L, 6.0L & 6.2L

5.7 (350) OHV - 1997-05 - 8 Cyl. - 3.90 Bore LS1, LS6

Melling Performance Timing Sets

<table>
<thead>
<tr>
<th>Melling Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10296</td>
<td>High volume, high pressure oil pump</td>
</tr>
</tbody>
</table>

Melling Performance Timing Set. Performance upgrade of the M295. +10 psi higher pressure and +18% higher volume than M295 and 10295.

The 10296 can be used on any GM Gen III application that uses the stock replacement M295 oil pump.

Features

- Exclusive high volume (+18%) rotor design
- Hard coat anodized aluminum housing
- Phosphate coated cast iron cover
- High pressure (+10 psi) spring installed
- Includes optional standard pressure spring
- Threaded pressure relief nut
- Uses 7/8" stock bolt-on oil pickup tube assembly
- Includes O-rings for oil pickup tube assembly

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<tbody>
<tr>
<td>48560T-9</td>
<td>Performance Timing Set. Performance upgrade of the 3-3SRH60S &amp; 3-3SRH60SA</td>
</tr>
</tbody>
</table>

Features

- Premium race billet steel timing set
- .250" single roller timing chain
- Induction heat treated billet steel 9 Keyway adjustable crankshaft sprocket
- For use with 1x camshaft sensor, 24x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket
- One piece Torington thrust bearing
- Standard center distance
### Melling Performance Timing Sets

#### Melling Part Number | Description
---|---
48561T-9 | Performance Timing Set. Performance upgrade of the 3-3SRH60S & 3-3SRH60SA

**Features**

- Premium race billet steel timing set
- .250” double roller timing chain
- Induction heat treated billet steel 9 Keyway adjustable crankshaft sprocket
- For use with 1x camshaft sensor, 24x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket
- One piece Torington thrust bearing
- Includes oil pump shims
- Standard center distance

### Melling Performance Camshaft Accessories

#### Melling Part Number | Description
---|---
5461-LPK | Performance Camshaft Bolt Lock Plate

Prevents costly valve train and engine damage by preventing the camshaft bolts from loosening.

**Features**

- High quality hardened steel
- 3 bolt attachment for secure mounting
- Installation bolts included
Melling Performance LS Roller Lifters

GM/Saab/Isuzu LS Engines 4.8L, 5.3L, 5.7L, 6.0L & 6.2L

5.7 (350) OHV - 1997-05 - 8 Cyl. - 3.90 Bore LS1, LS6 (Camaro, Corvette, CTS, Firebird)

**Melling Performance LS Roller Lifters**

**Melling Part Number**

**LS081RF16**

**Description**

Hydraulic Roller Lifter set
Set of 16 lifters.

**Features**

- Maximum O.D. 0.842" / 21.3868mm
- Maximum lift: 0.650" / 16.51mm
- Maximum RPM: 6,500
- Maximum spring pressure: 400 lbs.
- Weight: 309 grams
- Pushrod seat height: 2.658" / 67.5132mm
- May require pushrod change

**Melling Part Number**

**LS082RF16**

**Description**

Mechanical Roller Lifter set
Set of 16 lifters.

**Features**

- Maximum O.D. 0.842" / 21.3868mm
- Maximum lift: 0.700" / 17.78mm
- Maximum RPM: 7,000
- Weight: 309 grams
- Pushrod seat height: 2.658" / 67.5132mm
- May require pushrod change
5.7 (350) OHV - 1997-05 - 8 Cyl. - 3.90 Bore LS1, LS6 (Camaro, Corvette, CTS, Firebird)

**Melling Performance LS Retro-Fit Roller Camshaft**

<table>
<thead>
<tr>
<th>Melling Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>22201</td>
<td>Hydraulic Roller Camshaft</td>
</tr>
<tr>
<td></td>
<td>This camshaft is not California compliant, not</td>
</tr>
<tr>
<td></td>
<td>computer compatible</td>
</tr>
</tbody>
</table>

**Features**
- Class II, Fair Idle with good to low mid range Torque and horsepower
- Billet Steel
- Lower engine vacuum than stock

<table>
<thead>
<tr>
<th>Degrees .050 dur</th>
<th>Degrees ADV dur</th>
<th>Inches Valve lift</th>
<th>Degrees Lobe Ctr.</th>
<th>Degrees Separation</th>
</tr>
</thead>
<tbody>
<tr>
<td>223</td>
<td>223</td>
<td>291</td>
<td>291</td>
<td>0.566</td>
</tr>
</tbody>
</table>

**Melling Performance LS Valve Spring Retainer**

<table>
<thead>
<tr>
<th>Melling Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>475234</td>
<td>Performance Valve Spring Retainer</td>
</tr>
</tbody>
</table>

**Features**
- Hardened chrome-moly steel
- Precision engineered for long life
- High quality machining for worry free performance
### Melling Performance Oil Pumps

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| 10295               | Standard volume, high pressure oil pump. Performance upgrade of the M295. +10 psi higher pressure than M295. The 10295 can be used on any GM Gen III application that uses the stock replacement M295 oil pump. **Features**  
• Exclusive rotor design with improved strength  
• Hard coat anodized aluminum housing  
• Phosphate coated cast iron cover  
• High pressure (+10 psi) spring installed  
• Includes optional standard pressure spring  
• Includes optional +25 psi spring for COPO applications  
• Threaded pressure relief nut  
• Uses 7/8" stock bolt-on oil pickup tube assembly  
• Includes O-rings for oil pickup tube assembly |

| 10296               | High volume, high pressure oil pump  
Performance upgrade of the M295. +10 psi higher pressure and +18% higher volume than M295 and 10295. The 10296 can be used on any GM Gen III application that uses the stock replacement M295 oil pump. **Features**  
• Exclusive high volume (+18%) rotor design  
• Hard coat anodized aluminum housing  
• Phosphate coated cast iron cover  
• High pressure (+10 psi) spring installed  
• Includes optional standard pressure spring  
• Threaded pressure relief nut  
• Uses 7/8" stock bolt-on oil pickup tube assembly  
• Includes O-rings for oil pickup tube assembly |
### Melling Performance Timing Sets

**GM/Saab/Isuzu LS Engines 4.8L, 5.3L, 5.7L, 6.0L & 6.2L**

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| 48560T-9            | Performance Timing Set. Performance upgrade of the 3-3SRH60S & 3-3SRH60SA | • Premium race billet steel timing set  
• .250” single roller timing chain  
• Induction heat treated billet steel 9 Keyway adjustable crankshaft sprocket  
• For use with 1x camshaft sensor, 24x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket  
• One piece Torington thrust bearing  
• Standard center distance |

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<tr>
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</table>
| 48561T-9            | Performance Timing Set. Performance upgrade of the 3-3SRH60S & 3-3SRH60SA | • Premium race billet steel timing set  
• .250” double roller timing chain  
• Induction heat treated billet steel 9 Keyway adjustable crankshaft sprocket  
• For use with 1x camshaft sensor, 24x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket  
• One piece Torington thrust bearing  
• Includes oil pump shims  
• Standard center distance |
### Melling Performance Timing Sets

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<tbody>
<tr>
<td>48562-6</td>
<td>Performance Timing Set. Performance upgrade of the 3-3SRH60S</td>
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</table>

**Features**
- Premium race billet steel timing set
- \(0.250\) fixed single roller timing chain
- Induction heat treated billet steel 6 Keyway adjustable one piece crankshaft sprocket
- For use with 4x camshaft sensor, 5x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket
- Sprockets are manganese phosphate coated
- Standard center distance

### Melling Performance Camshaft Accessories

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<td>Performance Camshaft Bolt Lock Plate Prevents costly valve train and engine damage by preventing the camshaft bolts from loosening.</td>
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**Features**
- High quality hardened steel
- 3 bolt attachment for secure mounting
- Installation bolts included
**Melling Performance LS Roller Lifters**

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<td>Maximum lift: 0.650&quot; / 16.51mm</td>
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<tr>
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<td></td>
<td>Maximum spring pressure: 400 lbs.</td>
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<tr>
<td></td>
<td></td>
<td>Weight: 309 grams</td>
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<tr>
<td></td>
<td></td>
<td>Pushrod seat height: 2.658&quot; / 67.5132mm</td>
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### Melling Performance Oil Pumps

#### 10295

**Standard volume, high pressure oil pump.**

Performance upgrade of the M295. +10 psi higher pressure than M295.

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The 10295 can be used on any GM Gen III application that uses the stock replacement M295 oil pump.

**Features**

- Exclusive rotor design with improved strength
- Hard coat anodized aluminum housing
- Phosphate coated cast iron cover
- High pressure (+10 psi) spring installed
- Includes optional standard pressure spring
- Includes optional +25 psi spring for COPO applications
- Threaded pressure relief nut
- Uses 7/8" stock bolt-on oil pickup tube assembly
- Includes O-rings for oil pickup tube assembly
- Uses 7/8" stock bolt-on oil pickup tube assembly
- Includes O-rings for oil pickup tube assembly

#### 10296

**High volume, high pressure oil pump**

Performance upgrade of the M295. +10 psi higher pressure and +18% higher volume than M295 and 10295.

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The 10296 can be used on any GM Gen III application that uses the stock replacement M295 oil pump.

**Features**

- Exclusive high volume (+18%) rotor design
- Hard coat anodized aluminum housing
- Phosphate coated cast iron cover
- High pressure (+10 psi) spring installed
- Includes optional standard pressure spring
- Threaded pressure relief nut
- Uses 7/8" stock bolt-on oil pickup tube assembly
- Includes O-rings for oil pickup tube assembly
- Uses 7/8" stock bolt-on oil pickup tube assembly
- Includes O-rings for oil pickup tube assembly
6.2 (378) OHV - 2007-15 - 8 Cyl. - 4.00 Bore  (Cars & Trucks)

Melling Performance Oil Pumps

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</tr>
</tbody>
</table>

Features
• Hard coat anodized aluminum housing
• Phosphate coated cast iron cover
• High pressure (+10 psi) spring installed
• Includes optional standard pressure spring
• Threaded pressure relief nut
• Uses 7/8” stock bolt-on oil pickup tube assembly
• Includes O-rings for oil pickup tube assembly

7.0-E (427) OHV - 2006-08 - 8 Cyl. - 4.13 Bore LS7 Corvette

Melling Performance Timing Sets

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</tr>
</thead>
<tbody>
<tr>
<td>48563-6</td>
<td>Performance Timing Set</td>
</tr>
</tbody>
</table>

Features
• Premium race billet steel timing set
• 250° fixed single seamless roller timing chain
• Induction heat treated billet steel 6 Keyway adjustable one piece crankshaft sprocket
• For use with 4x camshaft sensor, 58x crankshaft sensor ignition systems, 3 bolt billet steel camshaft sprocket
• Sprockets are manganese phosphate coated
• Standard center distance
Improper installation of the camshaft sprockets or phasers can damage or push the locating pin back into the camshaft during installation. As a result, Melling has released the CSIT-LS installation tool which is designed to aid in the installation of both the camshaft and the camshaft sprocket. The CSIT-LS can be used with both single bolt and 3-bolt cams. A flywheel locking tool is recommended to keep the crankshaft from turning during installation.

**CSIT-LS**
Camshaft and Sprocket Installation Tool for LS Engines

**Features & Benefits**
- Manufactured from alloyed tool steel
- Heat treated for durability
- Solves frequent improper installation issues preventing engine damage
- Works with single or 3 bolt cams
- "How to" video available on Melling.com

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**Melling Performance Oil Pumps**

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<th>Melling Part Number</th>
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<tbody>
<tr>
<td>10294</td>
<td>Low volume, standard pressure oil pump. Low volume performance version of the 10295. -15% Lower volume than 10295</td>
</tr>
</tbody>
</table>

**Features**
- Reduced flow output (-15%) as compared to stock oil pump
- Hard coat anodized aluminum housing
- Phosphate coated cast iron cover
- Standard pressure spring installed
- Includes optional +10 psi and +25 psi high pressure springs
- Threaded pressure relief nut
- Uses 7/8" stock bolt-on oil pickup tube assembly
- Includes O-rings for oil pickup tube assembly

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**Low Volume Oil Pump For LS Priority Main Oiling Engines**

<table>
<thead>
<tr>
<th>Melling Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10294</td>
<td>Low volume, standard pressure oil pump. Low volume performance version of the 10295. -15% Lower volume than 10295</td>
</tr>
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**Melling Specialty Items & Tools**

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<tr>
<th>Melling Part Number</th>
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<tr>
<td>CSIT-LS</td>
<td>Camshaft and Sprocket Installation Tool for LS Engines</td>
</tr>
</tbody>
</table>

Improper installation of the camshaft sprockets or phasers can damage or push the locating pin back into the camshaft during installation. As a result, Melling has released the CSIT-LS installation tool which is designed to aid in the installation of both the camshaft and the camshaft sprocket. The CSIT-LS can be used with both single bolt and 3-bolt cams. A flywheel locking tool is recommended to keep the crankshaft from turning during installation.
Melling Performance
Jackson, Mi 49201       517-787-8172         www.melling.com

POWERING PERFORMANCE ENGINES FOR OVER 70 YEARS
Melling Engine Parts are manufactured with key advantages. Each part is backed by resources, technologies and people who are the very best in the world at designing, manufacturing and building exceptional products. Melling Performance parts deliver “An Advantage by Design”.

### Melling LS Engine Plug Kits

<table>
<thead>
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<th>Melling Part Number</th>
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<tbody>
<tr>
<td>MPE-900BR</td>
<td>Brass Engine Plug Kit</td>
</tr>
<tr>
<td>MPE-900BR-GP</td>
<td>Brass Engine Plug Kit with Oil Galley Plug</td>
</tr>
<tr>
<td>MPE-901BR</td>
<td>Brass Head Plug Kit</td>
</tr>
<tr>
<td>MOGP-100</td>
<td>Engine Oil galley Plug</td>
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<tr>
<td>MPL-101</td>
<td>Melling Pre-Lube Engine Oiler</td>
</tr>
</tbody>
</table>

Melling Engine Oil Priming Tools were developed as a way for engine builders to safely pre-prime the engine with oil prior to the initial engine startup. The Priming tool circulates oil to all of the critical areas of the new engine quickly and safely.

**Features & Benefits**
- Eliminates dry starts after engine rebuilds
- Eliminates initial wear on engine components
- Can be used on all internal combustion engines