



# BILLET ALUMINUM PUMPS

## WHAT SETS MELLING'S BILLET OIL PUMPS APART FROM THE REST?

In 1946 Melling released its first oil pump to the automotive aftermarket. Then in 1952 the innovative high volume oil pump was released to help provide a solution to low oil pressure issues engine builders were experiencing racing Ford's Flat Head V-8's. Continuing the Melling tradition of innovation was the goal when the billet oil pumps were designed.

To provide performance engine builders with an effective solution, we carefully listened to the collective voice of our customers. We took those customers' requirements and released a series of billet oil pumps with improved performance while being dependable, easy to install, weighing less, and consuming less power. An additional benefit is the integral oil pickup design which eliminates the failure modes associated with the press-fit pickup tube & screen assemblies. The combined benefits resulted in Melling's line of best-in-class patented wet sump oil pumps intended for performance engines. Customers say they can feel the difference just by spinning the pumps by hand.

### Design & Innovation focused on providing the best wet sump oil pumps:

- Patented design reduces size, weight, and complexity while improving the pump's performance and durability.
- GM SB and BB pumps have integral pickup design which provides improved filtration and can be removed for cleaning.
- Chrome-Moly drive shafts extended into the cover reducing shaft deflection allowing for smoother high rpm operation and reduced power consumption.
- CNC machined 6061-T6 billet aluminum with anodized protective hard coat for maximum durability and reduction in weight.
- Compact design requires less space than the original cast iron oil pumps. No modifications needed to install.
- GM SB pumps have Melling's innovative Shark Tooth gears which reduce the pressure pulsing and resulting cyclic loading on the drive shaft. This reduction will improve the operation of the distributor resulting in less spark scatter and wear on the drive gear.

## FORD BIG BLOCK V8

(370ci) 1980-91 (429ci) 1980-98 (460ci) 1975-97

Part No.	Upgrade For Pump No.	Volume Increase	Housing & Cover Coatings	Screw-in Valve Plug	Manufactured Spring Pressure	Optional Pressure	Integrated Oil Pump Screen
10084DHV	M-84DHV	25%	Hardcoat Anodize	No	80 PSI (Red)	N/A	No - 3/4" Bolt on

NOTE: SCREEN TO PAN CLEARANCE DISTANCE CAN VARY DUE TO PAN GASKET THICKNESS

NOTE: MINIMUM 3/8" TO 1/2" SCREEN TO PAN CLEARANCE



## NEW!



### 10084DHV

- 25% higher volume over stock oil pumps
- Manufactured pressure 80 PSI
- Features Melling High volume gerotor set
- Chrome-Moly steel intermediate drive shaft
- Includes Chrome-Moly steel oil pump stud kit
- Includes installation gasket for oil pickup tube assembly
- Uses Melling 84-DS2 bolt-on pickup with 3/4" O.D.
- Street & Strip

**FORD**  
**High Performance**  
**High Volume**  
**Billet Aluminum**  
**version of the**  
**M-84DHV**

# GM SMALL BLOCK V-8 "SHARK TOOTH"



Part No.	Upgrade For Pump No.	Volume Increase	Housing & Cover Coatings	Screw-in Valve Plug	Manufactured Spring Pressure	Optional Pressure 1	Optional Pressure 2	Integrated Oil Pump Screen
<b>10050ST-750SS</b>	M-55HV	25%	Hardcoat Anodize	Yes	70 PSI (Red)	60 PSI (Pink)	80 PSI (Orange)	Yes
<b>10055ST-750SS</b>	M-55	0%	Hardcoat Anodize	Yes	70 PSI (Red)	60 PSI (Pink)	80 PSI (Orange)	Yes
<b>10050ST-825SS</b>	M-55HV	25%	Hardcoat Anodize	Yes	70 PSI (Red)	60 PSI (Pink)	80 PSI (Orange)	Yes
<b>10055ST-825SS</b>	M-55	0%	Hardcoat Anodize	Yes	70 PSI (Red)	60 PSI (Pink)	80 PSI (Orange)	Yes
<b>10050ST-700CT</b>	M-55HV	25%	Hardcoat Anodize	Yes	70 PSI (Red)	60 PSI (Pink)	80 PSI (Orange)	Yes
<b>10055ST-700CT</b>	M-55	0%	Hardcoat Anodize	Yes	70 PSI (Red)	60 PSI (Pink)	80 PSI (Orange)	Yes

Features exclusive Melling billet steel high performance precision "Shark Tooth" helical gears

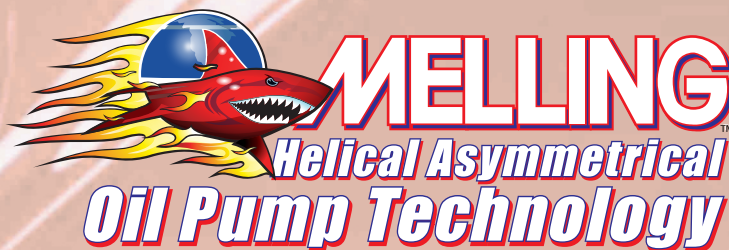
## 10050ST-750SS

- 25% higher volume over stock oil pumps
- Manufactured pressure 70 PSI
- 10 PSI higher & 10 PSI lower pressure springs included
- High volume billet steel "Shark Tooth" helical gears
- Chrome-Moly steel intermediate drive shaft
- Integrated oil pump screen for 7 1/2" deep pans
- **Street & Strip**



## 10055ST-750SS

- Standard volume performance oil pump
- Manufactured pressure 70 PSI
- 10 PSI higher & 10 PSI lower pressure springs included
- Standard volume billet steel "Shark Tooth" helical gears
- Chrome-Moly steel intermediate drive shaft
- Integrated oil pump screen for 7 1/2" deep pans
- **Street & Strip**



## 10050ST-825SS

- 25% higher volume over stock oil pumps
- Manufactured pressure 70 PSI
- 10 PSI higher & 10 PSI lower pressure springs included
- High volume billet steel "Shark Tooth" helical gears
- Chrome-Moly steel intermediate drive shaft
- Integrated oil pump screen for 8 1/4" deep pans
- **Street & Strip**



## 10055ST-825SS

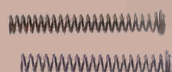
- Standard volume performance oil pump
- Manufactured pressure 70 PSI
- 10 PSI higher & 10 PSI lower pressure springs included
- Standard volume billet steel "Shark Tooth" helical gears
- Chrome-Moly steel intermediate drive shaft
- Integrated oil pump screen for 8 1/4" deep pans
- **Street & Strip**





## 10050ST-700CT

- 25% higher volume over stock oil pumps
- Manufactured pressure 70 PSI
- 10 PSI higher & 10 PSI lower pressure springs included
- High volume billet steel "Shark Tooth" helical gears
- Chrome-Moly steel intermediate drive shaft
- Manufactured with offset integrated oil pump screen
- For 7" deep pans
- Circle Track Racing



## 10055ST-700CT

- Standard volume performance oil pump
- Manufactured pressure 70 PSI
- 10 PSI higher & 10 PSI lower pressure springs included
- Standard volume billet steel "Shark Tooth" helical gears
- Chrome-Moly steel intermediate drive shaft
- Manufactured with offset integrated oil pump screen
- For 7" deep pans
- Circle Track Racing



## GM BIG BLOCK V-8

Part No.	Upgrade For Pump No.	Volume Increase	Housing & Cover Coatings	Screw-in Valve Plug	Manufactured Spring Pressure	Optional Pressure 1	Optional Pressure 2	Integrated Oil Pump Screen
<b>10070-800SS</b>	M-77HV	25%	Hardcoat Anodize	Yes	70 PSI (Pink)	60 PSI (Red)	80 PSI (Brown)	Yes
<b>10077-800SS</b>	M-77	0%	Hardcoat Anodize	Yes	70 PSI (Pink)	60 PSI (Red)	80 PSI (Brown)	Yes

Features Melling billet steel high performance precision spur gears

## 10070-800SS

- 25% higher volume over stock oil pumps
- Manufactured pressure 70 PSI
- 10 PSI higher & 10 PSI lower pressure springs included
- High volume billet steel spur gears
- Chrome-Moly steel intermediate drive shaft
- Integrated oil pump screen for 8" deep pans
- Street & Strip



## 10077-800SS

- Standard volume performance oil pump
- Manufactured pressure 70 PSI
- 10 PSI higher & 10 PSI lower pressure springs included
- Standard volume billet steel spur gears
- Chrome-Moly steel intermediate drive shaft
- Integrated oil pump screen for 8" deep pans
- Street & Strip



**MELLING**  
PERFORMANCE

# GM BIG BLOCK V-8

Part No.	Upgrade For Pump No.	Volume Increase	Housing & Cover Coatings	Screw-in Valve Plug	Manufactured Spring Pressure	Optional Pressure 1	Optional Pressure 2	Integrated Oil Pump Screen
<b>10070-900SS</b>	M-77HV	25%	Hardcoat Anodize	Yes	70 PSI (Pink)	60 PSI (Red)	80 PSI (Brown)	Yes
<b>10077-900SS</b>	M-77	0%	Hardcoat Anodize	Yes	70 PSI (Pink)	60 PSI (Red)	80 PSI (Brown)	Yes
<b>10070-1000SS</b>	M-77HV	25%	Hardcoat Anodize	Yes	70 PSI (Pink)	60 PSI (Red)	80 PSI (Brown)	Yes

**Features Melling billet steel high performance precision spur gears**

## 10070-900SS

- 25% higher volume over stock oil pumps
- Manufactured pressure 70 PSI
- 10 PSI higher & 10 PSI lower pressure springs included
- High volume billet steel spur gears
- Chrome-Moly steel intermediate drive shaft
- Integrated oil pump screen for 9" deep pans
- Street & Strip



## 10077-900SS

- Standard volume performance oil pump
- Manufactured pressure 70 PSI
- 10 PSI higher & 10 PSI lower pressure springs included
- Standard volume billet steel spur gears
- Chrome-Moly steel intermediate drive shaft
- Integrated oil pump screen for 9" deep pans
- Street & Strip



## 10070-1000SS

- 25% higher volume over stock oil pumps
- Manufactured pressure 70 PSI
- 10 PSI higher & 10 PSI lower pressure springs included
- High volume billet steel spur gears
- Chrome-Moly steel intermediate drive shaft
- Integrated oil pump screen for 10" deep pans
- Street & Strip



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 Performance

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