



LS7 to LS2/LS3 Wet Sump Front Cover Conversion Parts Guide

** This guide is to help users source the parts required to convert the front timing chain cover of a LS7 factory “dry sump” motor to a LS2/LS3 style wet sump motor. This conversion is necessary for the installation of our LS production based and race dry sump systems.

LS2/LS3 FRONT COVER PARTS

GM - 12633906 complete front cover

<https://www.summitracing.com/int/parts/nal-12633906/overview/make/chevrolet>

*Front cover itemised parts list

GM - 12600326 front cover

<https://www.summitracing.com/int/parts/nal-12600326/overview/>

GM - 12585673 front cover seal

GM - 12633904 front cover gasket

GM - 12591720 sensor

GM - 11588712 front cover bolt requires to order two

GM - 11515758 front cover bolt offered as a package of 10

GM - 12593593 sensor wire with bracket.

ATI DAMPERS

ATI 917289 Y-Body Corvette (10% under drive)

ATI 917304 Y-Body Corvette

ATI 918852 F-Body Camaro

ATI 918855 F-Body Camaro (10% under drive)

<http://www.atiracing.com/products/dampers/charts/damchevy.htm>

ATI SPACER

*The LS7 crank snout is longer than the wet sump crank, this spacer is needed so the crank bolt can clamp down on the ATI damper properly.

ATI 916322S

<https://www.summitracing.com/int/parts/ati-916322s/overview/>

WET SUMP TIMING CHAIN SET FOR USE WITH CAM SENSOR

OEM cam sprocket: Manufacturer's Part Number: 12586481

OEM crank sprocket: Manufacturer's Part Number: 12556582

OEM timing chain: Manufacturer's Part Number: 12586482

OR USE AFTERMARKET TIMING SET

WET SUMP OIL PAN GASKET

GM - 12612350 Oil pan gasket

<https://www.summitracing.com/int/parts/nal-12612350/overview/>