

LINGENFELTER

PERFORMANCE ENGINEERING

2009-2013 Chevrolet ZR1 Corvette and GMPP LS9 Crate Engine Pulley Chart												
Damper Size (OD%)	Damper Part # (1)	Supercharger Pulley Size (2)	Supercharger Pulley Part #	Belt Size	Belt PN	Passenger Side Idler	PS Idler Kit Part #	Driver Side Idler	DS Idler Kit Part #	Pulley ratio	Total OD%	SC speed @ 6600 RPM (3)
7.33" stock	OEM GM or L220550309	stock 3.1"	NA	stock 2137 mm (84.1")	12637321 (old # 12627521)	stock 76 mm	NA	stock 90 mm	NA	2.4	NA	15800
		2.6" (press on)	L220040309	stock 2137 mm (84.1")	12637321 (old # 12627521)	stock 76 mm	NA	100 mm	L250130309	2.8	19%	18500
		2.6" (10 bolt)	L220146109	82.5 inch	K110825 11PK2095	stock 76 mm	NA	76 mm	L250120309	3.1	32%	20500
8.34" 14% OD	L220100309	stock 3.1"	NA	2185 mm (86.0")	11PK2185	stock 76 mm	NA	stock 90 mm	NA	2.7	14%	17800
		2.6" (press on)	L220040309	2160 mm (85.0")	11PK2160	stock 76 mm	NA	stock 90 mm	NA	3.2	36%	21100
		2.6" (10 bolt)	L220146109	stock 2137 mm (84.1")	12637321 (old # 12627521)	stock 76 mm	NA	76 mm	L250120309	3.6	50%	23800

LPE does not recommend supercharger speeds significantly past 23,000 RPM, especially in road racing and other high RPM durability type applications. To calculate supercharger speed, multiply your maximum engine speed by the pulley ratio value listed above.

2.35" pulley requires the stock GM supercharger front cover to be modified for pulley clearance. The high flow LPE LS9 front cover (L250110309) is already designed with clearance for the 2.35" pulley.

An LPE idler pulley kit is required for these pulley/belt combinations.

NOTES:

- Wet sump OEM diameter (L220396197) and overdrive (L220406197) versions of the LS9 torsional dampers are also available for applications running the LS9 supercharger and accessory drive on a wet sump engine.
- 10 bolt (two piece) supercharger pulleys require a 10 bolt hub kit (L250150309) be installed on the supercharger. The LPE LS9 supercharger front cover (L250110309) already has a 10 bolt pulley hub installed.
- OEM RPM limiter is set at 6600 RPM on the ZR1 Corvette.