

2009-2015 CTS-V Supercharger Pulley Upgrade Kit Installation Instructions

(6.2L LSA V8 engine)



PN: L250070709

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Parts List

#	Part number	Description
1	8PK1655	8 rib 1655mm belt
1	ETN307091	Pulley Cap
1	82180	Permatex Ultra Black Gasket Maker, 3.35 oz.
1	L220030709	2.55" 8 rib pulley
1	L650140709	2009-2010 CTS-V air inlet duct kit
1	L960130709	Solid SC isolator coupling
2	ETN337144	Supercharger cover alignment dowel pin
1	98381A510	3/16" x 1" dowel pin
1	L920030000	LPE premium fuel decal, 93 octane
1	L450110095	LPE diagnostic port cover kit
1	L920010000	LPE decal
1	ETN86063	Actuator set tool
1		Instructions

Tools & Materials Required

- Ratchet
- Torque wrench
- 8 mm socket
- 10 mm socket
- 18 mm socket
- 8 mm hex bit Allen socket
- 6" socket extension
- 1/2" breaker bar
- T-25 Torx head driver or socket
- Hose clamp pliers or standard pliers
- Hammer
- Punch
- Mallet
- · Fork type pry tool

- Wooden block
- Flat head screwdriver
- Pulley removal tool
- Die grinder/Dremel tool (optional needed if you are making the alteration to the factory air box)
- Cut-off attachment (optional needed if you are making the alteration to the factory air box)
- Razor blade or gasket scraper
- Drill press (optional needed if you are drilling into the pulley for the dowel pin)
- 3/16" hardened solid/tipped carbide 2-fluted drill bit (optional needed if you are drilling into the pulley for the dowel pin)
- 3/32" Allen wrench

Optional Items

Description	Part number
Cadillac CTS-V K&N air filter, 2009-2015	33-2411
160 degree thermostat	L310065307
LSA damper kit (SC pulley required)	L220050709
Stock diameter LSA pulley for LPE LSA damper, 8 rib, 7.87"	L220646509
6% OD LSA pulley, 8.25", for LSA damper kit	L220060709
11% OD LSA pulley, 8.66", for LSA damper kit	L220070709
18% overdrive LSA damper pulley, 9.17" OD	L220170709
23% overdrive LSA damper pulley, 9.55" OD	L220290709
28% overdrive LSA damper pulley, 10" OD	L220380709
LSA Idler Pulley Relocation Bracket Kit	L220636509
76mm idler kit	L250120309
90mm idler pulley kit	L250260090
100mm idler pulley kit	L250130309
Stock GM LSA supercharger front cover	GM-341500
EFI Live programming tool	EFIFS2-T
Throttle body gasket	12576549
Supercharger manifold gasket kit	19180613
Supercharger manifold gasket rivets (also part of manifold gasket kit)	12558759
Charge air cooler housing gasket	12613457
Charge air cooler insulator	12612467
Supercharger actuator kit	19180860

The Lingenfelter CTS-V Supercharger Pulley Upgrade Kit is designed to increase the speed of the LSA Eaton TVS1900 supercharger in order to deliver increased boost and horsepower. The Lingenfelter 2.55" LSA pulley is a roughly 18% overdrive compared to the stock 3.0" pulley, resulting in gains of approximately 3 to 4 psi of boost on an otherwise stock vehicle.

The increased airflow and increased inlet pressure drop that results from the higher supercharger speed can cause the factory rubber inlet duct to get sucked shut under high RPM use. For this reason Lingenfelter Performance Engineering has designed a replacement duct as part of this pulley upgrade package. If you are using some other aftermarket air intake kit make sure that it does not have any areas that might suck shut under high RPM and airflow conditions.

This pulley kit is designed to work with the stock engine and premium unleaded fuel. Recalibration of the production ECM is required when installing this pulley kit.

The production fuel injectors and production fuel pump are able to supply the correct amount of fuel for this pulley kit so no changes to the injectors or the fuel system are needed if you are only installing this pulley kit.

If you are using this pulley kit in combination with an overdrive damper and/or other engine modifications you may need larger injectors and/or fuel system upgrades. Although the CTS-V uses the same size injectors as the ZR1 Corvette (LS9 engine), the CTS-V operates at a lower system fuel pressure so the injectors are effectively smaller in the CTS-V (LSA engine) application and therefore cannot support as much power as in the ZR1.

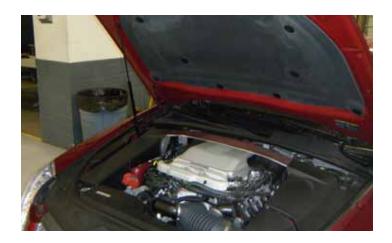
The production CTS-V spark plugs are the same spark plugs used in the Z06 and ZR1 Corvettes. In engine dynamometer, chassis dynamometer and track testing performed by LPE, we have found these spark plugs to be well suited to stock to highly modified LSA, LS9 and LS7 engines. Unless you are running top speed testing or endurance type road racing applications or this is a marine engine application, LPE recommends retaining the stock LSA spark plugs at the production gap of 0.040" (1 mm). If you do find you need to go to a colder range spark plug, the production 12571165 (AC Delco 41-104) iridium spark plugs are roughly the same heat range as the Denso IT20 spark plugs and the NGK TR7ix spark plugs. The next stage in colder plugs would be a Denso IT22 or an NGK TR8ix.

If you would prefer not to modify your production supercharger front cover, LPE can supply a stock GM cover for you to modify or one with the parts already installed.

Read the entire instruction manual before beginning installation. Many of the stock parts will be used in reassembly.

When referencing the side of the vehicle, the driver side of the vehicle is considered the left side and the passenger side of the vehicle is considered the right side of the vehicle.

Torque value warning - the torque values for the fasteners are provided in metric (Nm) and then imperial units. For the imperial units some are referenced in lb-ft and others in lb-in. Make sure you notice the difference and set your torque wrench correctly.



1. Open the hood of the vehicle. If you have been driving the vehicle, allow the vehicle to cool down for a few hours before beginning this work.



2. Disconnect the battery located in the trunk by releasing the latch and disconnecting the negative (black) from the battery terminal.

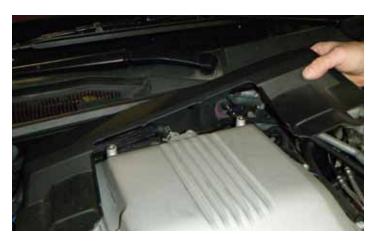


3. Remove the plastic covers on both sides of the motor by un-clipping the covers on the strut tower brace.



4. Using an 18 mm socket with an extension, remove the strut tower bar by unbolting the two bolts on each strut tower and carefully lifting the strut tower brace out.

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5. With the strut tower brace removed, remove the back plastic cover by pulling up from either side of the intercooler.



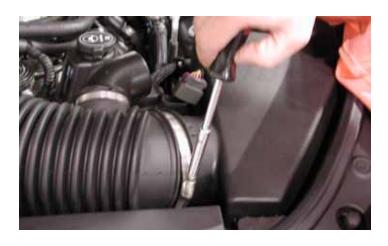
6. Remove the connector from the mass air flow/intake air temperature (MAF/IAT) sensor located on the end of the intake duct on the air filter box.



7. Remove the fresh air inlet positive crankcase ventilation (PCV) connector from the middle of the intake duct.



8. Loosen the band clamp on the intake duct that connects to the throttle body.



9. Loosen the band clamp on the factory air cleaner housing using a flat head screwdriver or an 8 mm hex bit Allen socket.



10. Carefully remove the intake duct.

NOTE: Be careful not to let dirt or debris enter any of the intake components throughout this installation.



11. Using a T-25 Torx tool, remove the three (3) Torx bolts from the top portion of the air filter housing. The location of the first bolt is next to the power steering reservoir.



12. The location of the second bolt is located in between the fender and the strut tower.

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13. The location of the third bolt is directly behind the driver front headlight assembly.



14. Carefully remove the top of the air filter housing.

WARNING: set the top of the airbox aside and be careful not to damage the MAF sensor.



15. Using a 10 mm socket, remove the air filter housing bracket bolt located on the driver side strut tower.



16. Carefully remove the bottom portion of the air filter housing by pulling up and away from the fender from the location shown.



17. Using a fork type pry tool, pry the plastic push pin out at the location shown by the white arrow. Then using a 10 mm socket, remove four (4) bolts on the front fuel line protective cover located on the front of the intercooler shown by the yellow arrows.

NOTE: some early models did not have this feature.



18. Using a 1/2" breaker bar, release the tension in the supercharger belt tensioner located on the passenger side by turning the tensioner counter-clockwise. Grab the belt in an open location and remove from the pulleys

CAUTION: Pinch Hazard! Do not place fingers in between belt and pulleys.



19. Disconnect the throttle actuator electrical connector from the throttle body.



20. Using a 10 mm socket, remove the four (4) bolts that secure the throttle body to the supercharger assembly.

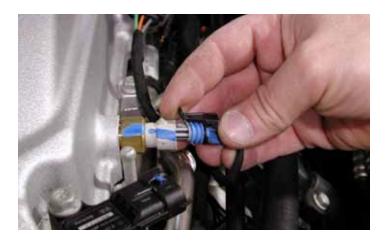
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21. Carefully remove the throttle body. Do not allow dirt or debris to enter the throttle body or front cover during the installation.



22. Remove the barometric pressure (BARO) sensor electrical connector from the left front of the intercooler.



23. Remove the supercharger inlet air temperature sensor (IAT2) electrical connector from the sensor on the left side of the intercooler.



24. Disconnect the manifold absolute pressure (MAP) sensor electrical connector from the left rear of the intercooler.



25. Disconnect the brake booster hose from the top of the supercharger front cover.



26. Disconnect the purge solenoid electrical connector from the top of the supercharger front cover.



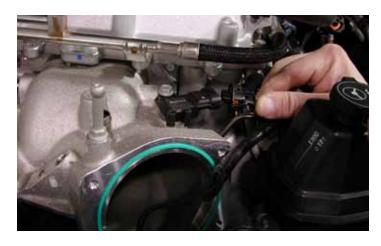
27. Disconnect the evap line from the purge solenoid on the left side of the supercharger front cover.



28. Unbolt the purge solenoid using a 10 mm ratchet and extension and carefully remove the purge solenoid.

IMPORTANT: GM does not offer the O-rings separate from any of the sensors. Handle with extreme care.

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29. Disconnect the electrical connector to the inlet air pressure sensor from the supercharger front cover.



30. Remove the two (2) vacuum lines from the bypass actuator to the intercooler and boost solenoid.

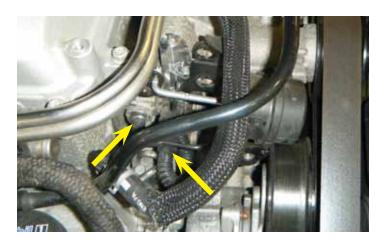


31. Using a 10 mm socket, remove the boost solenoid bracket from the bypass actuator. Make sure any vacuum lines that are connected from the solenoid are disconnected.



32. Using a 10 mm socket, remove the two bolts on the bypass actuator bracket.

NOTE: Do not remove the actuator at this time.



33. Remove the vacuum line and PCV line as indicated on the left.

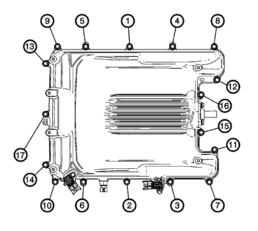


34. Remove the bypass actuator by tilting it upward and removing the metal bar from the bypass shaft linkage.

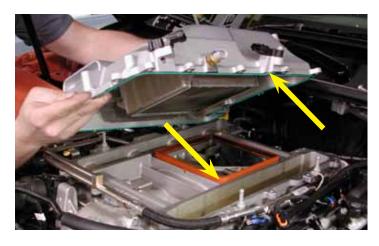


35. Using an 10 mm socket, start with the back six (6) bolts and remove the sixteen (16) bolts from the supercharger cover. Refer to the bolt locations below.

NOTE: Use caution when removing and installing cover and supercharger bolts. They have plastic Isolators in the bolt holes that can fall out. Isolators must be re-used.



(BOLT LOCATIONS)



36. Carefully remove the supercharger cover and inspect the supercharger cover seal and insulator seal for wear or damage.



37. Cover the supercharger cover with rags or plastic to prevent debris from entering the cover.



38. Cover the supercharger inlet with rags or plastic to prevent debris from entering the supercharger.

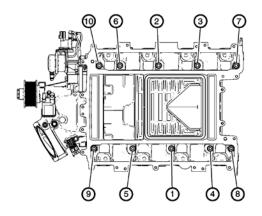


39. Using a 10 mm socket, remove the inlet air pressure sensor. Handle the sensor and O-ring with care.



40. Using an 8 mm socket, remove the ten (10) bolts from the supercharger. Refer to the bolt locations below.

NOTE: Use caution when removing and installing cover and supercharger bolts. They have plastic Isolators in the bolt holes that can fall out. Isolators must be re-used.



(BOLT LOCATIONS)



41. Carefully lift up on the front of the supercharger and place a wooden block or equivalent underneath to wedge the front of the supercharger up 1" to 2". Make certain your wedging device is clean and clear of debris



42. Using a 10 mm socket, remove the (6) bolts on the front supercharger cover.

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43. Using a pry bar, carefully pry the front cover in the location shown. Make certain any wires or lines are not in the way. This step may require a rubber mallet, gently tap on the front of the supercharger cover to loosen and continue prying.



44. Carefully remove the supercharger front cover from the assembly.



45. Remove dowel sleeves from supercharger front cover (they may also still be in the supercharger) by squeezing with a pair of pliers while twisting and pulling the sleeves out of the cover. You will be replacing these sleeves with new ones.

NOTE: Some early vehicles may not have these.



46. Steps 46-52 are only necessary if LPE is not installing your supercharger pulley. These steps can be performed by LPE using LPE part # 250080709.

Using a small flathead screwdriver, gently pry up on the pulley center cover and remove.



47. Using a pulley removal tool, remove the factory pulley from the supercharger front cover.



48. Lubricate the bearing shaft and carefully place the LPE pulley on it, then use a machine press to press the new pulley on to the supercharger front cover until it is flush with the bearing shaft. Do not press on the three (3) aligning pins.



Steps 49-53 are optional. Since the supercharger pulley is spinning at higher RPM and driving more load than the stock pulley, pinning the pulley is recommended but not required. LPE pins all of their supercharger pulleys.

49. Using a drill press, secure the supercharger pulley so that it is clamped evenly and drill a 3/16" hole, 1.05" deep in the center of the end of the pulley (see step 50). Next, using a 1/8" drill bit, drill a hole completely through the pulley and shaft in the same position. This will allow you to remove the pin if you are ever replacing or removing the pulley.

NOTE: LPE recommends using a hardened solid carbide drill bit for pinning the pulley.

50. Notice the pulley is clamped evenly, the end is flush with the bearing rod, and the hole is drilled in the center of the end of the pulley.



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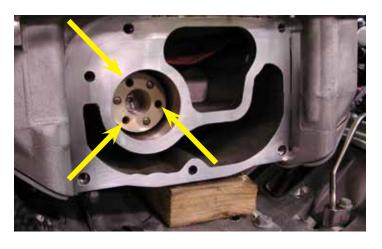
51. Place the 3/16" x 1" LPE dowel pin (part # 98381A510) into the hole that was just drilled out.



52. Secure the front cover and supercharger pulley. Using a hammer and punch, hit the two surfaces around the pin shown to the left. This will keep the dowel pin securely in place.



53. Clean the mounting surface of the supercharger with a razor blade and Scotch pads. Replace the factory isolator coupling with the LPE solid supercharger isolator coupling (LPE part # L960130709).



54. Notice the unoccupied holes on the coupler. That is where the dowel pins from the supercharger front cover will go. The pins on the supercharger cover shaft will go into these holes.



55. Using a razor blade and Scotch pads, scrape and clean the mounting surface of the supercharger front cover.



56. Apply a thin film of the supplied Permatex Ultra Black Gasket maker to the mounting surface of the front cover.



57. Insert the LPE provided dowel sleeves (part # ETN337144) into the two (2) locations on the supercharger by squeezing and twisting them in with pliers.



58. Carefully place the supercharger front cover on the supercharger. Make sure the pins insert into the empty isolator coupler slots. Using a 10 mm ratchet, torque down the six bolts to 20 lb-ft (27 Nm).

NOTE: The torque pattern is not critical on this component. As the snout is being pulled to the supercharger, slight tapping with a rubber mallet on the pulley will help seat the isolator and allow it to spin freely.

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59. To the left shows an LPE ported supercharger front cover. The porting is provided as part of the LPE pulley installation and ECM calibration included in LPE part # 250080709.



60. We are now going to modify the factory airbox. Any kind of cut-off tool or die grinder will work for this portion of the install.

NOTE: If you are using an aftermarket air intake you can skip steps 60-67.



61. Using a flathead screwdriver or small pry bar, pry away the air inlet from the bottom of the factory air cleaner housing.



62. Use the next 5 pictures as a reference. Use a silver marker and mark out the locations on the airbox to cut. This is the front of the factory airbox.



63. (Left side of factory airbox)



64. (Under side of factory airbox)



65. (Right side of factory airbox)



66. (Right side of factory airbox)

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67. Cut the airbox along your marked lines. After the final cuts have been made, your new airbox should look like this.

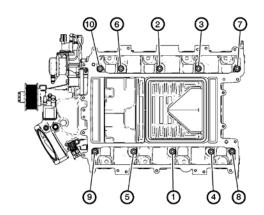


68. Re-install your air filter housing, make sure to plug in the MAF sensor after bolting down the housing bolts.

NOTE: LPE recommends the use of a K&N air filter (part # 33-2411).

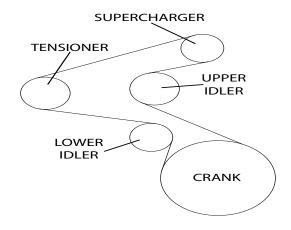


69. Lift up on the front of the supercharger and remove the wood block or wedge that was inserted earlier. Line up the supercharger bolt holes with the corresponding holes in the cylinder heads and insert the ten (10) bolts that secure it.



70. Tighten the bolts down in the order shown, using an 8 mm socket make a first pass of 44 lb-in (4 Nm). Then make a final pass in sequence to 89 lb-in (10 Nm).

NOTE: Use caution when removing and installing cover and supercharger bolts. They have plastic Isolators in the bolt holes that can fall out. Isolators must be re-used.



Supercharger belt layout



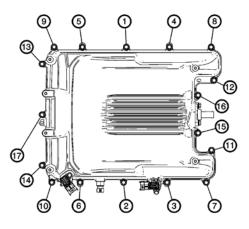
71. Using a breaker bar, release the tension on the tensioner by turning it counter-clockwise. While the tension is released install the LPE supplied belt (part # 8PK1655). See Table 1 on page 29 for recommended belt and idler sizes for the different supercharger pulley and damper diameter combinations.

CAUTION: Pinch Hazard! Do not place fingers in between belt and pulleys.



72. Replace the intercooler cover. Using a 10 mm socket torque each bolt down on the first pass to 44 **lb in** (5 Nm) then on a final pass of 89 lb in (10 Nm). Make certain to use the order shown below.

NOTE: Use caution when removing and installing cover and supercharger bolts. They have plastic Isolators in the bolt holes that can fall out. Isolators must be re-used.



73. (ORDER OF TORQUE)

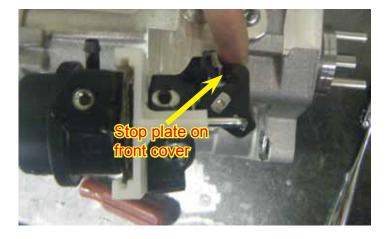


74. Insert the bypass actuator arm into the supercharger front cover bracket. Replace the PCV hose and correct vacuum hose as shown.

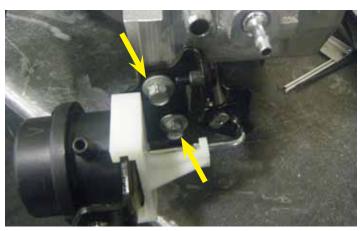


75. Use the set tool to set the actuator position [tool part # ETN86063]. Place the actuator set tool so that the actuator arm teeth are located in the position shown. Note the bypass set screw position.

NOTE: The front cover and bypass actuator are shown off of the vehicle for illustrative purposes only.



76. Hold the bypass stop plate back so that the bypass valve blade is in the closed position. The stop plate should not be touching the set screw on the bypass actuator. The set screw can be adjusted using a 3/32" Allen wrench.



77. Install the two (2) 10 mm bolts and torque them to 21 lb-ft (28.5 Nm).



78. Tighten the set screw so that it barely touches the stop plate on the front cover. After the initial contact, tighten the set screw 1/8 to 1/4 turn *more* to set the bypass valve blade into position. The set screw should now be touching the stop plate on the front cover. This will prevent the bypass valve blade from getting stuck on the front cover casting. Remove the bypass actuator set tool.



79. Install the boost solenoid bracket onto the bypass valve actuator. Torque the bolt down to 89 lb-in (10Nm).



80. Reconnect the vacuum hose from the bypass valve actuator to the supercharger.



81. Using a 10 mm socket, replace the inlet air pressure sensor and torque down to 89 lb-in (10 Nm).



82. Replace the inlet air pressure electrical connector.



83. Install the purge solenoid onto the front cover. Using a 10 mm socket, torque the fastener to 10 Nm (89 lb-in).



84. Replace the PCV hose on the purge solenoid.



85. Replace the electrical connector to the purge solenoid.



86. Replace the electrical connector to the MAP sensor.



87. Replace the electrical connector to the IAT2 sensor.



88. Replace the electrical connector to the BARO sensor.



89. Re-connect the brake booster hose on the top of the supercharger front cover.

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90. Place the throttle body on the end of the supercharger front cover. Using a 10 mm socket, torque down the four (4) bolts to 89 lb-in (10 Nm).



91. Replace the throttle actuator electrical connector to the throttle body.



92. Install the barbed end of the supplied 45 degree plastic fitting [part # 25862741] into the fitting on the hump hose.



93. The front coupler will mount unto the throttle body in the position shown.



94. Mount the front coupler on the throttle body and tighten down the band clamp. Make sure to position the inlet as indicated to the left and reconnect your PCV hose.



95. Install the other coupler in the kit to the air filter housing and tighten down the band clamp on housing.



96. Loosen both band clamps and put them on both couplers. Gently work the LPE provided elbow into both couplers. Move each band clamp towards the elbow and tighten when it reaches the edge of the coupler as shown.

Install the supplied Lingenfelter decal on the duct as shown.



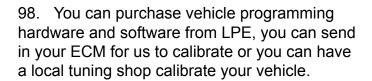
97. Program the vehicle's engine control module (ECM) as required for the combination of parts on your vehicle.

The different pulley ratio combinations will require different levels of calibration changes but all combinations require some level of calibration changes.

NOTE: the LPE part # L250080709 includes the programming of your ECM.







NOTE - some pulley combinations require ignition timing changes in order to operate with pump gas. The increased boost levels risk damaging your engine if the correct calibration changes are not made.

99. DLC port cover kit installation.



100. Install the supplied diagnostic port (DLC port) cover onto the DLC port in the driver foot well. Secure the strap that retains the DLC cover to the vehicle.

This cover is meant to notify dealerships and other service facilities that this vehicle has custom programming installed for new supercharger pulley ratio and it should not be programmed with the stock GM calibration files when being serviced.

101. Start your vehicle and listen for any leaks. If there are any problems check all the sensors and vacuum lines for proper hook up and position.

•	Table 1 - belt le	angth and idle	r pulley diam	eters requi	red for diffe	rent LSA superch	Table 1 - belt length and idler pulley diameters required for different LSA supercharger pulley and damper pulley combinations	damper pulle	y combir	ations.	
Crank Pulley PN (Crank only OD%)	Supercharger Pulley	Supercharger Pulley PN	Belt length	Belt PN (imperial)	Belt PN (metric)	Upper Idler	Lower Idler	ldler Bracket (PN)	Pulley Ratio	Total OD%	SC Speed @ 6500 RPM Engine Speed
	stock 3.0"	*	stock 1680mm	126280	12628026 (GM)				2.6	N/A	16,900
stock 7.8"	2.55" press-on	L220030709	1655mm/65 2"	KORO653	8PK1655	stock 90 mm	stock 70 mm	stock	3.1	18%	19 900
(%0)	2.55" 10 bolt	L220300709		000000					- ;	2	5,556
	2.38" 10 bolt	L220310709	1643mm/64.5"	K080645	8PK1643				3.3	26%	21,300
	stock 3.0"	*	stock 1680mm	126280	12628026 (GM)				2.8	%9	17,900
	2.55" press-on	L220030709	,0	0390807	27377100	stock 90 mm			c)auc	900
8.25"	2.55" 10 bolt	L220300709	66.0	KUSUBBU	8PK16/6		stock 70 mm	stock	3.2	%67	21,000
(%9)	2.38" 10 bolt	L220310709	stock 1680mm	126280;	12628026 (GM)	LPE 100 mm, 0.350" spacer, M10x1.5x60mm cap head screw			3.5	34%	22,500
	stock 3.0"	*	67.5"	K080675	8PK1715				2.9	11%	18,800
8.66"	2.55" press-on	L220030709	.02	0790007	00717100	00 /0040	7 /octo	100+0	7 0	240	22 100
(11%)	2.55" 10 bolt	L220300709	07.0	0.00000	9FN 1 02	300ck 90	300ck 70 IIIII	SIOCK		% - 5	22, 100
	2.38" 10 bolt	L220310709	67.0"	K080670	8PK1702				3.6	40%	23,700
	stock 3.0"	*	.089	K080680	8PK1727				3.1	18%	19,900
9.17"	2.55" press-on	L220030709		7208071	901/1746			10	9 0	/000	22 400
L220170709 (18%)	2.55" 10 bolt	L220300709	07.3	C/0000V	6171710	stock 90 mm	stock 70 mm	(L220636509)	0.0	3070	23,400
	2.38" 10 bolt	L220310709	67.5" 67.0" (tight)	K080675 K080670	8PK1715 8PK1702				3.9	48%	25,000
	stock 3.0"	*	.009	K080690	8PK1753				3.2	23%	20,700
9.55"	2.55" press-on	L220030709	68.5"	K080685	8PK1742	stock 90 mm	stock 70 mm	LPE	8	44%	24 300
(23%)	2.55" 10 bolt	L220300709	68.0" (tight)	K080680	8PK1727			(L220636509)	e S		54,000
	2.38" 10 bolt	L220310709	68.0"	K080680	8PK1727				4.0	54%	26,000
	stock 3.0"	*	70.8" 70.0" (tight)	K080708 K080700	8PK1797 8PK1775				3.3	78%	21,700
10.0° L220380709	2.55" press-on	L220030709	.9'69	K080696	(-)	stock 90 mm	stock 70 mm	LPE (1.220636509)	9.0	E40/	36 500
(28%)	2.55" 10 bolt	L220300709	69.0" (tight)	K080690	8PK1753			(===0000000)		07.10	29,500
	2.38" 10 bolt	L220310709	.009	K080690	8PK1753				4.2	%29	27,300
9.73" 10 rib L220450709 (requires 10 rib tensioner pulley)	2.70" 10 rib	XX03873-0004 (tensioner pulley PN L220620709)	67.5"	K100675	10PK1715	LPE 76 mm, 0.350 spacer, M10x1.5x60mm cap head screw	LPE 76 mm, 0.200 spacer, M10x1.5x60mm cap head screw	LPE (L220636509)	3.5	35%	22,800
Magnuson Heartbeat with 9.17" L220170709 (18%)	2.95" 8 rib	Included with Magnuson LSA TVS2300 Heartbeat Kit	68.0"	K080680	8PK1727			LPE (L220636509)	3.1	N/A	20,100

Supercharger speeds above 23,000 RPM are not recommended. To calculate supercharger speed, multiply your maximum engine speed by the pulley ratio value listed above.
Pulley ratios above 35% should only be used in applications with proportionally lower maximum engine speeds (below 6500 RPM).
For applications where the crank pulley diameter is greater than or equal to 9.17", LPE idler relocation bracket (PN: L220636509) is required in order to provide enough clearance between the crank pulley and the lower idler pulley. For bearing durability reasons LPE does not recommend using idler pulleys smaller than 70mm.

A LPE idler pulley is required for these pulley/belt combinations. A stock diameter 10 bolt pulley is also available from LPE, PN L220600709

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Many other items are available from LPE for your Cadillac CTS-V including low temperature thermostats, camshafts, ported throttle bodies and much more. Contact LPE, visit our web site, or contact your LPE distributor for information about our other products.

For additional product installation information and technical support, contact LPE or your LPE products distributor. You can also find technical support and usage discussions regarding this product and many other LPE products in our Internet forums:

http://www.lingenfelter.com/LPEforumfiles



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