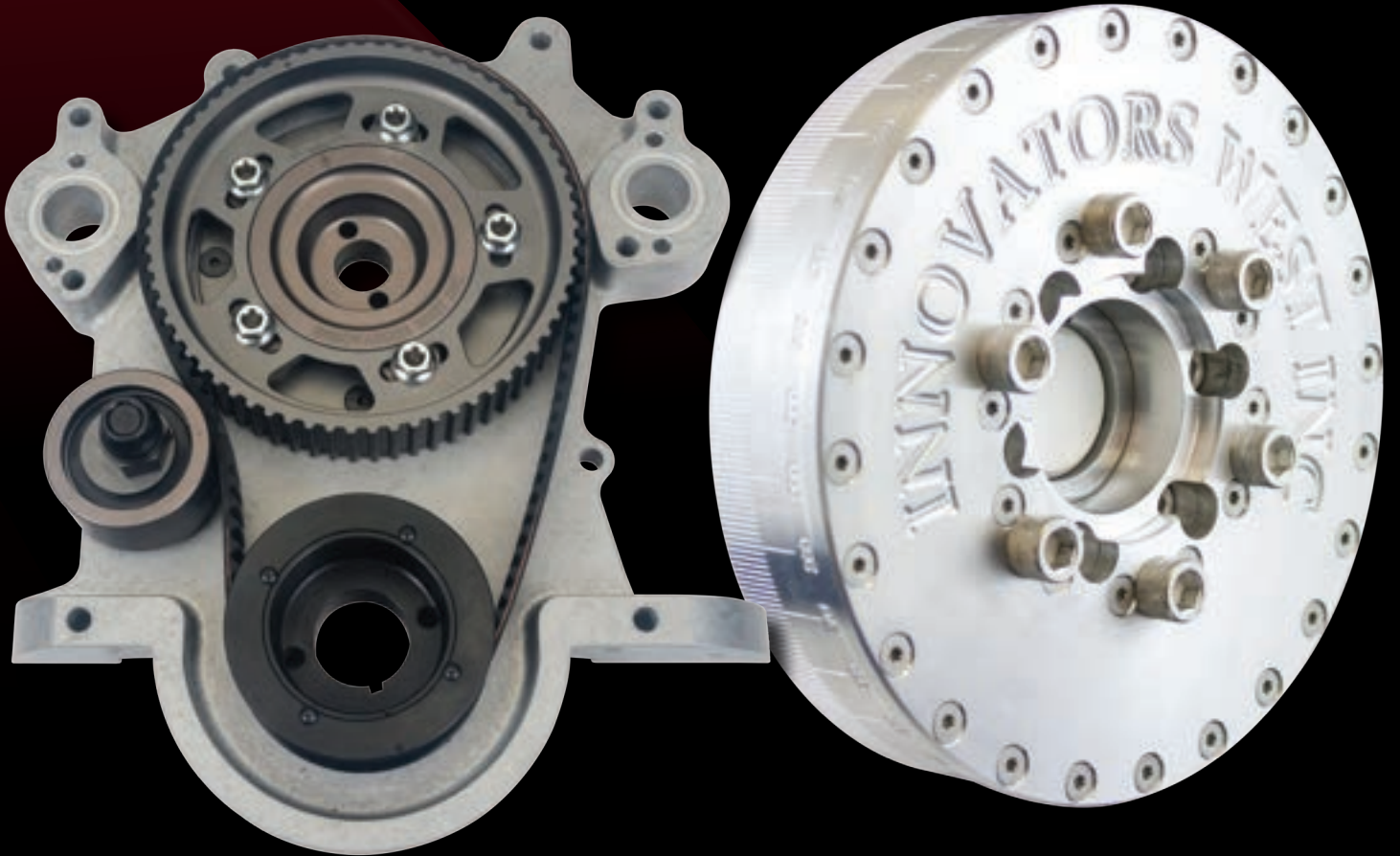




# **INNOVATORS WEST** INC.



**Building Harmonic Dampers and  
Racing Components right here  
in the USA for over 30 years!**

# **INNOVATORS WEST** INC.



**For over 30 years Innovators West has produced high quality SFI 18.1 certified harmonic balancers right here in the United States. From 6061 Aluminum Bar to Stress Proof Steel to the fasteners that hold Innovators West dampers together, we try and source everything we can from US suppliers and manufacturers. Raw materials are delivered to our building. All cutting, machining and assembling is done in-house. We pride ourselves in providing high quality, reliable products made right here in Salina, KS.**

# Harmonic Dampers

## What Makes Innovators West Different?

Inside the light weight billet aluminum cover is a free floating wet friction clutch pack assembly that utilizes spring loaded inertia rings to dampen crankshaft harmonics over a wide RPM range. The rings work in conjunction with clutches to provide outstanding dampening action. That action does generate some heat, and we use a small amount of fluid inside that acts as a lubricant as well as dissipates heat to the outer body.

A wide range of features are available including:

- **Light Weight Integrated Flying Magnet Crank Triggers (4-Magnet and 12-Magnet)**
- **Overdrive, Standard or Underdrive Integrated Serpentine Pulleys**
- **Matching 8 and 10 Rib Pulley Conversion Kits**
- **Upgraded Hubs and double keyways for Supercharged Applications**

# Harmonic Dampers

## 1955-2003 Gen 1 Small Block Chevy



The SBC dampers have 360\* timing marks and features a 6-Bolt SBC Bolt Pattern \*\* (3.200 Bolt Circle) and a SBC Pulley Register \*\*\*. Options include an integrated flying magnet crank trigger system, heavy duty blower hub and dual keyways.

\*\* # 111 has a 6-Bolt "BDS" Bolt Pattern (2.760" Bolt Circle) and 2" Male pulley register

\*\*\* #109 and #110 have BBC pulley register

Part #	Description	Diameter	Blower Hub	Flying Magnet	Weight (lbs.)
107	6.75" SBC Damper	6.75"			7.5
107 FM	6.75" SBC Damper - 4-Magnet Cover	6.75"		X	7.6
107B	6.75" SBC Damper - BBC Snout	6.75"			7.5
107B FM	6.75" SBC Damper - BBC Snout - 4-Magnet Cover	6.75"		X	7.6
108	6.75" SBC Pro Stock Damper - 4-Magnet Cover	6.75"		X	6.1
102	7" SBC Damper - Internally Balanced	7"			8.2
102 BL	7" SBC Damper - Internally Balanced - Blower Hub Option	7"	X		8.2
102 FM	7" SBC Damper - Internally Balanced - 4-Magnet Cover	7"		X	8.3
102 FM-12	7" SBC Damper - Internally Balanced - 12-Magnet Cover	7"		X	8.3
102 FM BL	7" SBC Damper - Internally Balanced - 4-Magnet Cover	7"	X	X	8.3
102 FM BL -12	7" SBC Damper - Internally Balanced - 12-Magnet Cover - Blower Hub	7"	X	X	8.4
103	7" SBC - Externally Balanced	7"			9.8
103 FM	7" SBC - Externally Balanced - 4-Magnet Cover	7"		X	9.9
109	7" SBC "Super Duty" Blower Damper - BBC Snout	7"	X		8.2
109 FM	7" SBC "Super Duty" Blower Damper - BBC Snout - 4-Magnet Cover	7"	X	X	8.3
109 FM-12	7" SBC "Super Duty" Blower Damper - BBC Snout - 12-Magnet Cover	7"	X	X	8.3
110	7" SBC Damper w/ BBC Hub	7"			8.2
110 FM	7" SBC Damper w/ BBC Hub - 4-Magnet Cover	7"		X	8.3
110 FM-12	7" SBC Damper w/ BBC Hub - 12-Magnet Cover	7"		X	8.3
111	7" SBC "BDS" Blower Damper	7"	X		8.6
111 FM	7" SBC "BDS" Blower Damper - 4-Magnet Cover	7"	X	X	8.7
111 FM-12	7" SBC "BDS" Blower Damper - 12-Magnet Cover	7"	X	X	8.7
<b>Options</b>					
10008 - 3/16 x 2	Double Keyway 3/16" x 2				
10008 - 3/16 & 1/4	Double Keyway 3/16" & 1/4" (Requires BBC Snout or Blower Hub Option)				
10008 - 1/4 X 2	Double Keyway 1/4" x 2 (Requires BBC Snout or Blower Hub Option)				
930	SBC Flying Magnet Bracket - Pass Side				
964	Crank Trigger Sensor				

## 1965-2001 Big Block Chevy



The BBC dampers have 360\* timing marks and features a 6-Bolt BBC Bolt Pattern \*\* (3.200 Bolt Circle) and a BBC Pulley Register \*\*\*. The #106 Super Duty damper is for engines making over 2000 HP. Options include an integrated flying magnet crank trigger system, heavy duty blower hub and dual keyways.

\*\* #106 has a 6-Bolt "BDS" Bolt Pattern (2.760" Bolt Circle) and 2" Male Pulley Register

Part Number	Description	Diameter	Flying Magnet Option	Weight (lbs.)
104	7" BBC Damper - Internal Balance	7"		8.4
104 FM Pass	7" BBC Damper - Internal Balance - Passenger Side 4-Magnet Cover	7"	X	8.5
104 FM Driver	7" BBC Damper - Internal Balance - Driver Side 4-Magnet Cover	7"	X	8.5
104X	7" BBC Damper - External Balance	7"		10.1
104X FM Pass	7" BBC Damper - External Balance - Passenger Side 4-Magnet Cover	7"	X	10.2
104X FM Driver	7" BBC Damper - External Balance - Driver Side 4-Magnet Cover	7"	X	10.2
105	7" BBC Pro Stock Damper	7"		6.0
105 Pass	7" BBC Pro Stock Damper - Passenger Side 4-Magnet Cover	7"	X	6.1
105 Driver	7" BBC Pro Stock Damper - Drivers Side 4-Magnet Cover	7"	X	6.1
105 FM-12	7" BBC Pro Stock Damper - 12-Magnet Cover	7"	X	6.2
106	7" BBC "Super Duty" Blower Damper	7"		8.7
106 FM Pass	7" BBC "Super Duty" Blower Damper - Passenger Side 4-Magnet Cover	7"	X	8.8
106 FM Driver	7" BBC "Super Duty" Blower Damper - Driver Side 4-Magnet Cover	7"	X	8.8
106 FM-12	7" BBC "Super Duty" Blower Damper - 12-Magnet Cover	7"	X	8.9
116	7" BBC "BDS" Blower Damper	7"		9.1
116 FM Pass	7" BBC "BDS" Blower Damper - Passenger Side 4-Magnet Cover	7"	X	9.2
116 FM Driver	7" BBC "BDS" Blower Damper - Driver Side 4-Magnet Cover	7"	X	9.2
116 FM-12	7" BBC "BDS" Blower Damper - 12-Magnet Cover	7"	X	9.3
<b>Options:</b>				
10008 - 3/16 x 2	Double Keyway 3/16" x 2			
10008 - 3/16 & 1/4	Double Keyway 3/16" & 1/4"			
10008 - 1/4 X 2	Double Keyway 1/4" x 2			
929	BBC Flying Magnet Bracket - Pass Side			
1064	BBC Flying Magnet Bracket - Drivers Side			
964	Crank Trigger Sensor			

# Harmonic Dampers

## LSx Race Damper



The LSx Race Damper is designed for use on all LS engines. The damper utilizes a LS1 Corvette length hub to place the damper close in to the front of the engine. The damper body has 360\* timing marks and features a 6-Bolt BBC Bolt Pattern \*\* (3.200 Bolt Circle) and a BBC Pulley Register. Options include an integrated flying magnet crank trigger system, heavy duty blower hub and dual keyways.

\*\* Part# 846 has a 6-Bolt "BDS" Bolt Pattern (2.760" Bolt Circle) and a 2" Male pulley register

Part Number	Description	Diameter	Blower Hub	Flying Magnet	Weight (lbs.)
845	6.75" LS Race Damper	6.75"			7.7
845 SD	6.75" LS Race Damper - Super Duty Hub	6.75"	X		7.8
845 FM Drivers	6.75" LS Race Damper - Drivers Side 4-Magnet Cover	6.75"		X	7.9
845 FM Drivers SD	6.75" LS Race Damper - Drivers Side 4-Magnet Cover - Super Duty Hub	6.75"	X	X	8.0
845 FM Pass	6.75" LS Race Damper - Passenger Side 4-Magnet Cover	6.75"		X	7.9
845 FM Pass SD	6.75" LS Race Damper - Passenger Side 4-Magnet Cover - Super Duty Hub	6.75"	X	X	8.0
845 FM-12	6.75" LS Race Damper - 12-Magnet Cover	6.75"		X	8.0
845 FM SD-12	<b>6.75" LS Race Damper - 12-Magnet Cover - Super Duty Hub</b>	6.75"	X	X	8.1
846	7" LS "BDS" Race Damper	7.00"	X		8.2
846 FM Drivers	7" LS "BDS" Race Damper - Drivers Side 4-Magnet Cover	7.00"	X	X	8.4
846 FM Pass	7" LS "BDS" Race Damper - Passenger Side 4-Magnet Cover	7.00"	X	X	8.4
846 FM-12	7" LS "BDS" Race Damper - 12-Magnet Cover	7.00"	X	X	8.5
872	6.75" LS Pro Stock COPO Damper	6.75"			5.9
872 FM Drivers	6.75" LS Pro Stock COPO Damper - Drivers Side 4-Magnet Cover	6.75"		X	6.0
872 FM Pass	6.75" LS Pro Stock COPO Damper - Passengers Side 4-Magnet Cover	6.75"		X	6.0
872 FM-12	6.75" LS Pro Stock COPO Damper - 12-Magnet Cover	6.75"		X	6.1
<b>Options:</b>					
10008 - 3/16 x 2	Double Keyway 3/16" x 2				
1037	LSx Flying Magnet Bracket - Drivers Side				
1038	LSx Flying Magnet Bracket - Passenger Side				
964	Crank Trigger Sensor				

## 98-07 LS1/2/3/6 Corvette, 08-09 Pontiac G8 & 04-07 Cadillac CTS-V



The #841 is a 10% Underdrive damper for use on naturally aspirated engines up to 600 HP. The overdrive dampers are for use with superchargers for additional boost. Optional super duty blower hubs and double keyways are for use with high horsepower applications.

\*\* The 8-rib dampers can be used with a stock 6-Rib width belt. This will allow the supercharger to be overdriven without having to convert the entire drive system to 8-Rib. To convert the system in the future, the remaining pulleys can be purchased separately to complete the

Part Number	Description	Diameter	Blower Hub Option	Weight (lbs.)
840	LS1/2/3/6 Corvette 6-Rib Drive -Standard Diameter	7.25"		9.2
840SD	LS1/2/3/6 Corvette 6-Rib Drive -Standard Diameter - Super Duty Hub	7.25"	X	9.6
841	LS1/2/3/6 Corvette 6-Rib Drive -10% Underdrive	6.5"		7.9
842	LS1/2/3/6 Corvette 8-Rib Drive - Standard Diameter	7.25"		9.0
842SD	LS1/2/3/6 Corvette 8-Rib Drive - Standard Diameter -Super Duty Hub	7.25"	X	9.4
843	LS1/2/3/6 Corvette 8-Rib Drive +10% Overdrive	8.125"		10.5
843SD	LS1/2/3/6 Corvette 8-Rib Drive +10% Overdrive - Super Duty Hub	8.125"	X	10.9
844	LS1/2/3/6 Corvette 10-Rib Drive +10% Overdrive	8.125"		10.9
844SD	LS1/2/3/6 Corvette 10-Rib Drive +10% Overdrive - Super Duty Hub	8.125"	X	11.3
8401 *	LS1/2/3/6 Corvette 12-Rib Drive +10% Overdrive	8.125"		11.1
8401SD *	LS1/2/3/6 Corvette 12-Rib Drive +10% Overdrive - Super Duty Hub	8.125"	X	11.5
8402 **	LS1/2/3/6 Corvette 8-Rib Drive +15% Overdrive	8.350"		10.9
8402SD **	LS1/2/3/6 Corvette 8-Rib Drive +15% Overdrive - Super Duty Hub	8.350"	X	11.3
8403 **	LS1/2/3/6 Corvette 10-Rib Drive +15% Overdrive	8.350"		12.0
8403SD **	LS1/2/3/6 Corvette 10-Rib Drive +15% Overdrive - Super Duty Hub	8.350"	X	12.4
Conversion Kits:	Description	Blower Hub Option		
990	LS1/2/3/6 Corvette 8-Rib Conversion Kit - Standard Diameter			
990SD	LS1/2/3/6 Corvette 8-Rib Conversion Kit - Standard Diameter - Super Duty Hub	X		
991	LS1/2/3/6 Corvette 8-Rib Conversion Kit - 10% OD			
991SD	LS1/2/3/6 Corvette 8-Rib Conversion Kit - 10% OD - Super Duty Hub	X		
903	LS1/2/3/6 Corvette 10-Rib Conversion Kit - 10% OD			
903SD	LS1/2/3/6 Corvette 10-Rib Conversion Kit - 10% OD - Super Duty Hub	X		
Options:				
10008 - 3/16 X 2	Double Keyway 3/16" x 2			
966	Crankshaft Pin Kit - LS1/2/3/6 Corvette			
*	12-Rib Drive is designed for use with ATI Procharger 12-Rib Drive System			
**	15% Overdrive damper will not fit with stock water pump. Aftermarket water pump with smaller water pump pulley is required			
NOTE	Adding a "UD" to the end of the conversion kit part number will substitute the stock diameter alternator pulley for the larger Underdrive alternator pulley for high rpm engines (7500 rpm or higher)			

# Harmonic Dampers

## 06-13 LS7 Corvette Z06, 10-13 Grand Sport Corvette & Gen 5 Camaro Z/28



The LS7 Corvette dampers will fit any LSx engine that utilizes the Corvette drive offset and the dry sump oiling system. Unfortunately due to the larger oil pump and larger front timing cover, the super duty hub is not an option like it is with the wet sump oiling system. It is highly suggested that the crankshaft is machined for a second keyway and a second keyway is added to the damper for high horsepower LS7 engines.

Part Number	Description	Diameter	Weight (lbs.)
850	LS7 Corvette 6-Rib Drive - Standard Diameter	7.25"	7.6
852	LS7 Corvette 8-Rib Drive - Standard Diameter	7.25"	7.5
853	LS7 Corvette 8-Rib Drive +10% Overdrive	8.125"	8.9
854	LS7 Corvette 10-Rib Drive +10% Overdrive	8.125"	9.1
8501 *	LS7 Corvette 12-Rib Drive +10% Overdrive	8.125"	9.6
8502 **	LS7 Corvette 8-Rib Drive +15% Overdrive	8.350"	9.3
8503 **	LS7 Corvette 10-Rib Drive +15% Overdrive	8.350"	9.8
<b>Conversion Kits:</b>			
	<b>Description</b>		
994	LS7 Corvette 8-Rib Conversion Kit - Standard Diameter		
995	LS7 Corvette 8-Rib Conversion Kit +10% Overdrive		
905	LS7 Corvette 10-Rib Conversion Kit +10% Overdrive		
<b>Options:</b>			
10008 - 3/16 X 2	Double Keyway 3/16" x 2		
*	12-Rib Drive is designed for use with ATI Procharger 12-Rib Drive Drive System		
**	15% Overdrive damper will not fit with stock water pump. Aftermarket pump and/or smaller water pump pulley is required		
NOTE	Adding a "UD" to the end of the conversion kit part number will substitute the stock diameter alternator pulley for the larger Underdrive alternator pulley for high rpm engines (7500 rpm or higher)		



## 2014-up C7 (LT1) Corvette



The #780 and #790 dampers are for use on the C7 Corvette with the standard LT1 engine with wet sump oiling system (#780) or for use with the optional Z51 Dry Sump oiling system (#790). The dampers feature a BBC bolt pattern for use with the A&A and ECS Supercharger systems. Optional dual keyways are for use with high horsepower combinations.

Part #	Description	Diameter	Weight (lbs.)
780	LT1 Wet Sump - 6-Rib Standard Diameter	7.330"	8.6
780 SD	LT1 Wet Sump - 6-Rib Standard Diameter - Super Duty Blower Hub	7.330"	8.7
790	LT1 Dry Sump - 6-Rib Standard Diameter	7.330"	7.2

### Options:

10008 - 3/16 X 2	Double Keyway 3/16" x 2
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## 2015-up C7 Z06 (LT4) Corvette



The #770 and #771 dampers are for use on the C7 Z06 Corvettes with the factory LT4 supercharged engine. The overdrive dampers allow the supercharger to spin faster and create more boost without having to change the upper supercharger pulley. Options include heavy duty blower hub and dual keyways.

Part Number	Description	Blower Hub Option	Diameter	Weight (lbs.)
770	C7 Z06 Corvette LT4 +9 % Overdrive		8.75"	9.4
770SD	C7 Z06 Corvette LT4 +9 % Overdrive - Super Duty Hub	X	8.75"	9.5
771	C7 Z06 Corvette LT4 +18% Overdrive		9.50"	10.2
771SD	C7 Z06 Corvette LT4 +9 % Overdrive - Super Duty Hub	X	8.75"	10.3

### Options:

10008 - 3/16 x 2	Double Keyway 3/16" x 2
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# Harmonic Dampers

## 09-13 ZR1 (LS9) Corvette



The #870 damper is designed for use on the C6 ZR1 Corvette with the factory LS9 supercharged engine. The overdrive damper allow the supercharger to spin faster and create more boost without having to change the upper supercharger pulley. Optional double keyways are for use with high horsepower combinations.

Part #	Description	Diameter	Weight (lbs.)
870	09-13 LS9 ZR1 Corvette Damper - 10% Overdrive	8.120"	10.2
870 Wet	09-13 LS9 ZR1 Corvette Damper - 10% Overdrive - Wet Sump Hub Length	8.120"	10.4
<b>Options:</b>			
10008 - 3/16 X 2	Double Keyway 3/16" x 2		

## 2019 ZR1 (LT5) Corvette



The #775 damper is designed for use on the C7 ZR1 Corvette with the factory LS9 supercharged engine. The overdrive damper allow the supercharger to spin faster and create more boost without having to change the upper supercharger pulley. Options include double keyways and super duty hub for high horsepower applications.

Part #	Description	Blower Hub Option	Diameter	Weight (lbs.)
775	2019 LT5 ZR1 Corvette Damper - 9% Overdrive		8.770"	9.8
775SD	2019 LT5 ZR1 Corvette Damper - 9% Overdrive - Blower Hub Option	X	8.770"	9.9
<b>Options:</b>				
10008 - 3/16 X 2	Double Keyway 3/16" x 2			

## 2009-2015 Cadillac CTS-V & 2012-2015 Camaro ZL-1



The #840/1000 damper is designed for use with the LSA supercharged engines in the Gen 2 Cadillac CTS-V and the Gen 5 Camaro ZL-1. The damper is designed for use with the interchangeable pulley drive rings as supplied from Metco Motorsports and Lightning Force Performance. Options include double keyways and super duty hub for high horsepower applications.

Part Number	Description	Blower Hub Option	Weight (lbs.)
840/1000	Gen 2 Cadillac LSA CTS-V & Gen 5 ZL1 LSA Camaro		11.1
840/1000 SD	Gen 2 Cadillac LSA CTS-V & Gen 5 ZL1 LSA Camaro - Super Duty Hub	X	11.5
<b>Options:</b>			
1001	2.55" Supercharger Pulley		
1008	2.85" Supercharger Pulley		
10008 - 3/16 X 2	Double Keyway 3/16" x 2		

## 2016-up Cadillac CTS-V & 2016-up Camaro ZL-1



The #8410 damper is designed for use with the LT4 supercharged engines in the Gen 3 Cadillac CTS-V and the Gen 6 Camaro ZL-1. Please see the #770/771 for the Corvette LT4 engine. The #8410 damper is designed for use with the interchangeable pulley drive rings as supplied from Metco Motorsports and Lightning Force Performance. Optional double keyways are for use with high horsepower applications.

Part #	Description	Blower Hub Option	Weight (lbs.)
8410	16-up LT4 Cadillac CTS-V & Gen 6 Camaro ZL-1		10.8
8410 SD	16-up LT4 Cadillac CTS-V & Gen 6 Camaro ZL-1 - Super Duty Hub	X	11.0
<b>Options:</b>			
10008 - 3/16 X 2	Double Keyway 3/16" x 2		

# Harmonic Dampers

## 98-02 LS1 Camaro/Firebird & 04-06 LS1/2 GTO



These dampers are designed as an upgrade to the stock damper for the 98-02 F-Body and 04-06 GTO engines. The #831 is a 10% Underdrive damper for use on naturally aspirated engines up to 600 HP. The #833 damper is 10% overdrive diameter for use with aftermarket superchargers to allow the supercharger to spin faster and make additional boost. Optional super duty blower hubs and double keyways are for use with high horsepower applications.

\*\* The 8-rib dampers can be used with a stock 6-Rib width belt. This will allow the supercharger to be overdriven without having to convert the entire drive system to 8-Rib. To convert the system in the future, the remaining pulleys can be purchased separately to complete the conversion.

Part Number	Description	Diameter	Blower Hub Option	Weight (lbs.)
830	GM LS1 F-Body & 04-06 GTO - 6-Rib Drive - Standard Diameter	7.25"		9.1
830SD	GM LS1 F-Body & 04-06 GTO - 6-Rib Drive - Standard Diameter - Super Duty hub	7.25"	X	9.5
831	GM LS1 F-Body & 04-06 GTO - 6-Rib Drive - 10% Underdrive	6.5"		7.9
832	GM LS1 F-Body & 04-06 GTO - 8-Rib Drive - Standard Diameter	7.25"		9.2
832SD	GM LS1 F-Body & 04-06 GTO - 8-Rib Drive - Standard Diameter - Super Duty Hub	7.25"	X	9.6
833	GM LS1 F-Body & 04-06 GTO - 8-Rib Drive - 10% Overdrive	8.125"		10.7
833SD	GM LS1 F-Body & 04-06 GTO - 8-Rib Drive - 10% Overdrive - Super Duty Hub	8.125"	X	11.1
<b>Conversion Kits:</b>			<b>Blower Hub Option</b>	
986	F-Body 8-Rib Conversion Kit - Standard Diameter			
986SD	F-Body 8-Rib Conversion Kit - Standard Diameter - Super Duty Hub		X	
987	F-Body 8-Rib Conversion Kit - 10% Overdrive			
987SD	F-Body 8-Rib Conversion Kit - 10% Overdrive - Super Duty Hub		X	
988	LS1 GTO 8-Rib Conversion Kit - Standard Diameter			
988SD	LS1 GTO 8-Rib Conversion Kit - Standard Diameter - Super Duty Hub		X	
989	LS1 GTO 8-Rib Conversion Kit - 10% Overdrive			
989SD	LS1 GTO 8-Rib Conversion Kit - 10% Overdrive - Super Duty Hub		X	
1043 **	LS2 GTO (1st Design) 8-Rib Conversion Kit - Standard Diameter			
1043SD **	LS2 GTO (1st Design) 8-Rib Conversion Kit - Standard Diameter - Super Duty Hub		X	
1044 **	LS2 GTO (1st Design) 8-Rib Conversion Kit - 10% Overdrive			
1044SD **	LS2 GTO (1st Design) 8-Rib Conversion Kit - 10% Overdrive - Super Duty Hub		X	
1045 ***	LS2 GTO (2nd Design) 8-Rib Conversion Kit - Standard Diameter			
1045SD ***	LS2 GTO (2nd Design) 8-Rib Conversion Kit - Standard Diameter - Super Duty Hub		X	
1046 ***	LS2 GTO (2nd Design) 8-Rib Conversion Kit - 10% Overdrive			
1046SD ***	LS2 GTO (2nd Design) 8-Rib Conversion Kit - 10% Overdrive - Super Duty Hub		X	
<b>Options:</b>				
10008 - 3/16 X 2	Double Keyway 3/16" x 2			
967	Crankshaft Pin Kit - LS1/LS2 GTO & Gen 4 F-Body			
**	05 Pontiac GTO 1st Design (Up to VIN L491216) with 5.0" P/S Pulley			
***	05-06 Pontiac GTO 2nd Design with 5.75" P/S Pulley			
NOTE	Adding a "UD" to the end of the conversion kit part number will substitute the stock diameter alternator pulley for the larger Underdrive alternator pulley for high rpm engines (7500 rpm or higher)			

## 2016-up Gen 6 Camaro

The #8801 damper is designed as a performance upgrade for the Gen 6 Camaro engines. Optional double keyways are for use with high horsepower combinations.



Part #	Description	Diameter	Weight (lbs.)
8801	Gen 6 Camaro - 6-Rib Drive - Standard Diameter	7.25"	8.9
<b>Options:</b>			
10008 - 3/16 X 2	Double Keyway 3/16" x 2		

## Tech Tip

**Innovators West dampers are servicable. For street and street/strip engines making under 750hp we recommend the damper be sent in for service every 6-7 years. For race engines or engines making over 750hp we recommend the dampers be sent in for service ever 1-2 years. We also recommend sending the damper in for service if your engine should experience any catastrophic damage that would send a large shock load through the damper (such as a broken rod or crank). This allows us to examine the wear patterns in the damper and can advise you on how the damper is performing and if the damper will need more or less frequent services. Innovators West dampers are also repairable should you experience any physical damage such as dropping the damper during instalation, stripped bolt holes or you simply want a new SFI sticker or any scratches on the damper polished out. Contact our sales staff for current service turnaround times and costs.**

# Harmonic Dampers

## 99-13 GM Trucks, 06-08 TBSS (4.8L, 5.3L, 6.0L, 6.2L) & Gen 5 Camaro SS



These dampers are designed as an upgrade to the stock damper for the 99-13 GM truck engines. The #861 is a 10% Underdrive damper for use on naturally aspirated engines up to 600 HP. The #863, #864, #865 and #866 dampers are overdrive diameter for use with aftermarket superchargers to allow the supercharger to spin faster and make additional boost. Optional super duty blower hubs and double keyways are for use with high horsepower applications.

\*\* The 8-rib dampers can be used with a stock 6-Rib width belt. This will allow the supercharger to be overdriven without having to convert the entire drive system to 8-Rib. To convert the system in the future, the remaining pulleys can be purchased separately to complete the conversion.

Part Number	Description	Diameter	Blower Hub	Weight (lbs.)
860	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 6-Rib Drive - Standard Diameter	7.25"		9.9
861	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 6-Rib Drive - 10% Underdrive	6.5"		8.7
862	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 8-Rib Drive - Standard Diameter	7.25"		9.9
862SD	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 8-Rib Drive - Standard Diameter - Super Duty Hub	7.25"	X	10.5
863	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 8-Rib Drive - 10% Overdrive	8.125"		11.2
863SD	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 8-Rib Drive - 10% Overdrive - Super Duty Hub	8.125"	X	11.8
864	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 10-Rib Drive - 10% Overdrive	8.125"		11.7
864SD	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 10-Rib Drive - 10% Overdrive - Super Duty Hub	8.125"	X	12.3
865 **	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 8-Rib Drive - 15% Overdrive	8.350"		11.7
865SD **	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 8-Rib Drive - 15% Overdrive - Super Duty Hub	8.350"	X	12.3
866 **	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 10-Rib Drive - 15% Overdrive	8.350"		12.1
866SD **	GM 99-13 Trucks & 06-08 TBSS & Gen 5 Camaro - 10-Rib Drive - 15% Overdrive - Super Duty Hub	8.350"	X	12.6
<b>Options:</b>				
10008 - 3/16 X 2	Double Keyway 3/16" x 2			
968	Crankshaft Pin Kit - LS Truck, TBSS & Gen 5 Camaro			
**	15% Overdrive damper will not fit with stock water pump. Aftermarket pump and/or smaller water pump pulley is required			

## 99-13 GM Trucks, 06-08 TBSS (4.8L, 5.3L, 6.0L, 6.2L) & Gen 5 Camaro SS

Conversion Kit:	Description	Blower Hub
996	99-06 GM Truck 8-Rib Conversion Kit - Standard Diameter	
996SD	99-06 GM Truck 8-Rib Conversion Kit - Standard Diameter - Super Duty Hub	X
997	99-06 GM Truck 8-Rib Conversion Kit - 10% Overdrive	
997SD	99-06 GM Truck 8-Rib Conversion Kit - 10% Overdrive - Super Duty Hub	X
1021	07-13 GM Truck 8-Rib Conversion Kit - Standard Diameter	
1021SD	07-13 GM Truck 8-Rib Conversion Kit - Standard Diameter - Super Duty Hub	X
1022	07-13 GM Truck 8-Rib Conversion Kit - 10% Overdrive	
1022SD	07-13 GM Truck 8-Rib Conversion Kit - 10% Overdrive - Super Duty Hub	X
1004	Gen 5 Camaro 8-Rib Conversion Kit - Standard Diameter	
1004SD	Gen 5 Camaro 8-Rib Conversion Kit - Standard Diameter - Super Duty Hub	X
1005	Gen 5 Camaro 8-Rib Conversion Kit - 10% Overdrive	
1005SD	Gen 5 Camaro 8-Rib Conversion Kit - 10% Overdrive - Super Duty Hub	X
1024	2013-15 Gen 5 Camaro 8-Rib Conversion Kit - Electric P/S - Standard Diameter	
1024SD	2013-15 Gen 5 Camaro 8-Rib Conversion Kit - Electric P/S - Standard Diameter - Super Duty Hub	X
1025	2013-15 Gen 5 Camaro 8-Rib Conversion Kit - 10% Overdrive - Electric P/S	
1025SD	2013-15 Gen 5 Camaro 8-Rib Conversion Kit - 10% Overdrive - Electric P/S - Super Duty Hub	X
998	TBSS 8-Rib Conversion Kit - Standard Diameter	
998SD	TBSS 8-Rib Conversion Kit - Standard Diameter - Super Duty Hub	X
999	TBSS 8-Rib Conversion Kit - 10% Overdrive	
999SD	TBSS 8-Rib Conversion Kit - 10% Overdrive - Super Duty Hub	X
906	99-06 GM Truck 10-Rib Conversion Kit - 10% Overdrive	
906SD	99-06 GM Truck 10-Rib Conversion Kit - 10% Overdrive - Super Duty Hub	X
1048	07-13 GM Truck 10-Rib Conversion Kit - 10% Overdrive	
1048SD	07-13 GM Truck 10-Rib Conversion Kit - 10% Overdrive - Super Duty Hub	X
908	09-12 Gen 5 Camaro 10-Rib Conversion Kit - 10% Overdrive	
908SD	09-12 Gen 5 Camaro 10-Rib Conversion Kit - 10% Overdrive - Super Duty Hub	X
1026	2013-15 Gen 5 Camaro 10-Rib Conversion Kit - 10% Overdrive - Electric P/S	
1026SD	2013-15 Gen 5 Camaro 10-Rib Conversion Kit - 10% Overdrive - Electric P/S - Super Duty Hub	X
NOTE	Adding a "UD" to the end of the conversion kit part number will substitute the stock diameter alternator pulley for the larger Underdrive alternator pulley for high rpm engines (7500 rpm or higher)	

# Harmonic Dampers

## 2014-up GM Truck (5.3L, 6.2L EcoTec3)



These dampers are designed as an upgrade to the stock damper for the L86 and L83 Ecotec3 GM truck engines. The #763 is a 10% overdrive diameter for use with aftermarket superchargers to allow the supercharger to spin faster and make additional boost. Both #760 and #763 dampers feature the additional grooves on the hub to spin the OEM vacuum pump. Optional double keyways are for use with high horsepower applications.

Part Number	Description	Diameter	Weight (lbs.)
760	2014+ EcoTec3 GM Truck 6 Rib Standard Damper	7.50"	10.9
763	2014+ EcoTec3 GM Truck 8 Rib Drive - 10% Overdrive	8.25"	12.1
<b>Options:</b>			
10008 - 3/16 X 2	Double Keyway 3/16" x 2		
<b>Conversion Kit:</b>			
1072	2014+ GM EcoTec3 Truck 8-Rib Conversion Kit - 10% Overdrive		

## Tech Tip

**When looking to increase boost in your supercharged vehicle, an overdrive diameter damper will allow the supercharger to spin faster creating more boost. This is also a good time to look into a damper with more ribs to allow for future boost upgrades. More ribs and greater diameters equals less belt slip!**



## 1968-1976 Oldsmobile 455



The dampers for the Oldsmobile 455 engines feature an OEM 4-bolt pulley pattern and male pulley register. The dampers have OEM offset. The #501 damper is designed for use with the OEM external balanced crankshaft. The damper may be used with an internal balance crankshaft by removal of the bolted on counter weight.

Part #	Description	Diameter	Weight (lbs.)
501	455 Oldsmobile	6.75"	7.4

## 1970-1976 Pontiac 455



The dampers for the Pontiac 455 engines feature an OEM 4-bolt pulley pattern and male pulley register. The dampers have OEM offset. The #601 damper will not accept the factory multi-sheave pulley. Optional integrated Flying Magnet crank trigger system is available for the Pontiac 455 engines.

Part #	Description	Diameter	Weight (lbs.)
601	455 Pontiac	6.75"	7.4
601 FM	455 Pontiac - Flying Magnet Cover	6.75"	7.5
<b>Options:</b>			
1076	455 Pontiac FM Bracket		
964	Crank Trigger Sensor		

# Harmonic Dampers

## 1996-2010 Mod Motor Ford (4.6L & 5.4L)



The Mod Motor damper are designed for use on all 1996-2010 4.6L (except for the Lightning and 03-04 Cobra Supercharged 4V engines) and 5.4L engines.

The dampers are available in 6 Rib and 8 Rib widths. They are also available in 10% Underdrive for naturally aspirated engines up to 600 HP, standard diameter engines as well as 10, 15 or 18% Overdrive diameters for supercharged engines wanting to spin the supercharger faster and make more boost. Options include heavy duty blower hub and dual keyways.

Part #	Description	Diameter	Super Duty Hub	Weight (lbs.)
810	Ford Mod Motor 6-Rib Drive - 10% Underdrive	5.875"		5.2
811	Ford Mod Motor 6-Rib Drive - Standard Diameter	6.5"		6.8
811SD	Ford Mod Motor 6-Rib Drive - Standard Diameter - Super Duty Hub	6.5"	X	6.8
812	Ford Mod Motor 6-Rib Drive - 10% Overdrive	7.25"		7.8
812SD	Ford Mod Motor 6-Rib Drive - 10% Overdrive - Super Duty Hub	7.25"	X	7.8
803	Ford Mod Motor 8-Rib Drive - 10% Underdrive	5.875"		5.8
802	Ford Mod Motor 8-Rib Drive - Standard Diameter	6.5"		6.8
802SD	Ford Mod Motor 8-Rib Drive - Standard Diameter - Super Duty Hub	6.5"	X	6.8
804	Ford Mod Motor 8-Rib Drive - 10% Overdrive	7.25"		7.8
804SD	Ford Mod Motor 8-Rib Drive - 10% Overdrive - Super Duty Hub	7.25"	X	7.8
814	Ford Mod Motor 8-Rib Drive - 15% Overdrive	7.50"		8.3
814SD	Ford Mod Motor 8-Rib Drive - 15% Overdrive - Super Duty Hub	7.50"	X	8.3
805	Ford Mod Motor 8-Rib Drive - 18% Overdrive	7.75"		9.0
805SD	Ford Mod Motor 8-Rib Drive - 18% Overdrive - Super Duty Hub	7.75"	X	9.0

### Options:

10008 - 3/16 x 2	Double Keyway 3/16" x 2
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## Mod Motor Race Dampers



The Mod Race Dampers have 360\* timing marks and features a 6-Bolt BBC Bolt Pattern \*\* (3.200 Bolt Circle) and a BBC Pulley Register. Options include heavy duty blower hub and dual keyways.

\*\* #801 Mod Race Dampers are designed for the 2V/3V/4V engines from 1996-2010

\*\* #823 Coyote Race Dampers are designed for the 5.0L/5.2L Coyote engines from 2011-Current

Part #	Description	Diameter	Super Duty Hub	Weight (lbs.)
801	6.75" Ford Mod Race Damper	6.75"		7.3
801 SD	6.75" Ford Mod Race Damper	6.75"	X	7.4
801 FM	6.75" Ford Mod Race Damper - 4-Magnet Cover	6.75"		7.4
801 SD FM	6.75" Ford Mod Race Damper - 4-Magnet Cover	6.75"	X	7.5
801 SD FM-12	6.75" Ford Mod Race Damper - 12-Magnet Cover - Super Duty Hub	6.75"	X	7.6
823 SD	6.75" Coyote Race Damper - Super Duty Hub	6.75"	X	7.6
823 SD FM	6.75" Coyote Race Damper - 4-Magnet Cover	6.75"	X	7.7
823 SD FM-12	6.75" Coyote Race Damper - 12-Magnet Cover	6.75"	X	7.8

### Options:

10008 - 2/16 x 2	Double Keyway 3/16" x 2
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## 2011-up Ford Coyote (5.0L & 5.2L)



The Coyote dampers are designed for use with all 2011 and up Coyote Mustang and F150 engines. Dampers are offered with an overdrive diameter for increased

Part #	Description	Diameter	Weight (lbs.)
817	5.0L Coyote - 6-Rib Standard Diameter (Front & Back)	6.570"	7.5
817CS	5.0L Coyote - NMRA Coyote Stock	6.570"	6.7
818	5.0L Coyote - 6-Rib - Standard Diameter (Back) / 8-Rib - 10% Overdrive (Front)	7.220"	8.0
819	5.0L Coyote - 6-Rib - 5% Overdrive (Back) / 6-Rib - Standard Diameter (Front)	6.880"	7.8
820	5.0L Coyote - 6-Rib - Standard Diameter (Back) / 6-Rib - 10% Overdrive (Front)	7.220"	7.9
821	5.0L Coyote - 6-Rib - Standard Diameter (Rear) / 10-Rib - 20% Overdrive (Front)	7.884"	8.3

### Options:

10008	Double Keyway 3/16" x 2
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# Harmonic Dampers

## 2020-up Ford 7.3L "Godzilla"



The dampers for the new 7.3L Godzilla engine are designed for performance usage. Overdrive diameter dampers are designed for use with supercharger driving off of the damper its self or for a bolt on front supercharger pulley such as the kits from Procharger. All Godzilla dampers come equipped with a double keyed super duty hub (New timing cover seal included). The dampers also come with a pinning kit for use with the stock non keyed crankshaft.

Part #	Description	Diameter	Weight (lbs.)
807	7.3L Ford Godzilla - 6-Rib Standard Diameter	7.120"	10.0
807 DS *	7.3L Ford Godzilla - 6-Rib Standard Diameter - Dry Sump Hub	7.120"	10.0
808	7.3L Ford Godzilla - 10-Rib 8.00" Race Blower Damper	7.950"	12.0
808DS *	7.3L Ford Godzilla - 10-Rib 8.00" Race Blower Damper - Dry Sump Hub	7.950"	12.0
808R	7.3L Ford Godzilla - 10-Rib 8.00" Race Blower Damper - No Rear Serpentine	7.950"	11.7
808R DS *	7.3L Ford Godzilla - 10-Rib 8.00" Race Blower Damper - Dry Sump Hub - No Rear Serp	7.950"	11.7
809	7.3L Ford Godzilla - 10-Rib 9.00" Race Blower Damper - No Rear Serpentine	9.000"	12.8
809DS *	7.3L Ford Godzilla - 10-Rib 9.00" Race Blower Damper - Dry Sump Hub - No Rear Serp	9.000"	12.8
* Part #1106 - 28T Dry sump drive gear is sold separately			

## 2007-2014 Shelby GT500 (5.4L & 5.8L)



The GT500 dampers represent a big upgrade in performance, weight and style. The overdrive dampers offer the ability to spin the supercharger faster for more boost eliminating the need for a smaller supercharger pulley (smaller blower pulleys increase chance of belt slip).

\*\* The #828 15% overdrive damper will not clear the 13-14 GT500's with the "Track Pack" option. Removal or modification of the engine oil cooler (fittings) is needed to clear the larger 15% overdrive damper.

Part #	Description	Diameter	No Relief Hub	Weight (lbs.)
826	Shelby GT500 - Standard Diameter	7.120"		9.9
826SD	Shelby GT500 - Standard Diameter - No Relief Hub	7.120"	X	9.9
827	Shelby GT500 - 10% Overdrive	7.950"		11.5
827SD	Shelby GT500 - 10% Overdrive - No Relief Hub	7.950"	X	11.5
828	Shelby GT500 - 15% Overdrive	8.130"		11.8
828SD	Shelby GT500 - 15% Overdrive - No Relief Hub	8.130"	X	11.8

### Options:

10008 - 3/16 X 2	Double Keyway 3/16" x 2
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## 03-04 Cobra & 99-04 Lightning



Innovators West offers 2 styles of dampers for the 03-04 Cobra and 99-02 Ford Lightning factory supercharged engines. The #813 and #815 are designed for use with the factory crank support cage only. The "Metco" style dampers are designed to be used without the factory crank support and they accept the interchangeable pulley rings from Metco Motorsports or Lightning Force Performance. The interchangeable style dampers have the option for a super duty blower hub and double key for high horsepower applications.

\*\* The #802/992 and #802/993 are deigned with extended length adapters for use with the larger Kenne Bell superchargers

Part #	Description	Diameter	Super Duty Hub	Weight (lbs.)
811/963	03-04 Cobra w/ Metco Adapter	Metco or LFP Rings		9.7
811/963SD	03-04 Cobra w/ Metco Adapter - Super Duty Hub	Metco or LFP Rings	X	9.7
813	03-04 Cobra Damper - OEM Fitment	6.5"		7.1
815	99-02 Ford Lightning - OEM Fitment	6.5"		7.2
802/963	99-02 Ford Lightning w/ Metco Adapter	Metco or LFP Rings		9.7
802/963SD	99-02 Ford Lightning w/ Metco Adapter - Super Duty Hub	Metco or LFP Rings	X	9.7
802/992SD	99-02 Ford Lightning w/ Metco Adapter - 2.8L/3.2L KB - Super Duty Hub	Metco or LFP Rings	X	10.5
802/993SD	99-02 Ford Lightning w/ Metco Adapter - 3.6L KB - Super Duty Hub	Metco or LFP Rings	X	10.2

### Options:

10008 - 3/16 x 2	Double Keyway 3/16" x 2
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## Tech Tip

**When installing a harmonic damper, its always a good idea to use anti-seize or extreme pressure lube on the end of the crankshaft snout. This will help aid in the removal of the damper for future engine servicing. All dampers come with a small tube of extreme pressure lube, but additional packets of lube are available on the Innovaotrs West website. (Part# 10204)**

**A small bead of RTV around the washer will also protect against any oil seepage through the keyway of the damper.**

# Harmonic Dampers

## 1961-1996 Small Block Ford



The SBF dampers #203, #204 and #205 are designed around the stock OEM 6.5" diameter body. The dampers feature stock OEM 4-bolt (#203 is 3-bolt) pulley bolt patterns and pulley registers.

The #207, #212 and #213 dampers are designed for high horsepower applications (over 1000 HP N/A or over 1500 HP power adder) and feature a larger 6.75" damper body and a 6-bolt BBC pulley bolt pattern and female BBC pulley register. These dampers require the use of a remote mount water pump to clear the larger diameter and aftermarket supercharger pulleys or oil pump drive mandrels compatible with the BBC bolt pattern.

The #225 dampers are designed to have a Roots supercharger pulley mounted directly to the damper. The damper features a larger 6.75" diameter body with a 2.76" BDS bolt pattern and a 2" Male pulley register. These dampers require the use of a remote mount water pump to clear the larger diameter.

\*\* The #203 damper is designed for use with an early 260, 289 or 302 drivers side TDC pointer and is internally balance only.

Part Number	Description	Diameter	Blower Hub	Flying Magnet	Weight (lbs.)
203 **	6.5" SBF 3-Bolt Damper - Internal Balance - Drivers Side TDC	6.5"			7.0
204	6.5" SBF Damper - Internally Balanced	6.5"			7.3
204 BL	6.5" SBF Damper - Internally Balanced	6.5"			7.7
204 BL FM Pass	6.5" SBF Damper - Internally Balanced - w/ Passenger Side 4-Magnet Cover	6.5"	X	X	7.8
204 BL FM Driver	6.5" SBF Damper - Internally Balanced - w/ Driver Side 4-Magnet Cover	6.5"	X	X	7.8
204 BL FM-12	6.5" SBF Damper - Internally Balanced - w/ 12-Magnet Cover	6.5"	X	X	7.9
204 BL IW	6.5" SBF Damper - Internally Balanced - IW Belt Drive Length Hub	6.5"	X		7.5
204 FM Pass	6.5" SBF Damper - Internally Balanced - w/ Pass Side 4-Magnet Cover	6.5"		X	7.3
204 FM Driver	6.5" SBF Damper - Internally Balanced - w/ Driver Side 4-Magnet Cover	6.5"		X	7.3
204 FM-12	6.5" SBF Damper - Internally Balanced - w/ 12-Magnet Cover	6.5"		X	7.4
204 FM IW Pass	6.5" SBF Damper - Internally Balanced - w/ Pass Side 4-Magnet Cover - IW Belt Drive Length Hub	6.5"		X	7.2
204 FM IW Driver	6.5" SBF Damper - Internally Balanced - w/ Driver Side 4-Magnet Cover - IW Belt Drive Length Hub	6.5"		X	7.2
204 FM IW-12	6.5" SBF Damper - Internally Balanced - w/ 12-Magnet Cover - IW Belt Drive Length Hub	6.5"		X	7.3
204 IW	6.5" SBF Damper - Internally Balanced - IW Belt Drive Length Hub	6.5"			7.1
204X28	6.5" SBF External 28 Oz. Balance	6.5"			9.2
204X28 BL	6.5" SBF External 28 Oz. Balance	6.5"	X		9.5
204X28 BL FM Pass	6.5" SBF External 28 Oz. Balance - w/ Passenger Side 4-Magnet Cover	6.5"	X	X	9.6
204X28 BL FM Driver	6.5" SBF External 28 Oz. Balance - w/ Driver Side 4-Magnet Cover	6.5"	X	X	9.6
204X28 FM Pass	6.5" SBF External 28 Oz. Balance - w/ Passenger Side 4-Magnet Cover	6.5"		X	9.2
204X28 FM Driver	6.5" SBF External 28 Oz. Balance - w/ Driver Side 4-Magnet Cover	6.5"		X	9.2
204X50	6.5" SBF External 50 Oz. Balance	6.5"			9.7
204X50 BL	6.5" SBF External 50 Oz. Balance	6.5"	X		9.9
204X50 BL FM Pass	6.5" SBF External 50 Oz. Balance- w/ Passenger Side 4-Magnet Cover	6.5"	X	X	10.0
204X50 BL FM Driver	6.5" SBF External 50 Oz. Balance- w/ Driver Side 4-Magnet Cover	6.5"	X	X	10.0
204X50 FM Pass	6.5" SBF External 50 Oz. Balance - w/ Passenger Side 4-Magnet Cover	6.5"		X	10.0
204X50 FM Driver	6.5" SBF External 50 Oz. Balance - w/ Driver Side 4-Magnet Cover	6.5"		X	10.0

## 1961-1996 Small Block Ford

Part Number	Description	Diameter	Blower Hub	Flying Magnet	Weight (lbs.)
205	94-95 Mustang 6.5" SBF Damper - Internally Balanced	6.5"			7.3
205 BL	94-95 Mustang 6.5" SBF Damper - Internally Balanced	6.5"	X		7.6
205 BL FM Pass	94-95 Mustang Damper - Int Balanced - w/ 4-Magnet Pass Side Cover	6.5"	X	X	7.7
205 FM Pass	94-95 Mustang Damper - Int Balanced - w/ 4-Magnet Pass Side Cover	6.5"		X	7.3
205X28	94-95 Mustang Damper - Ext Balance 28oz.	6.5"			8.9
205X28 BL	94-95 Mustang Damper - Ext Balance 28oz.	6.5"	X		9.2
205X28 BL FM Pass	94-95 Mustang Damper - Ext Balance 28oz. - w/ 4-Mag Pass Side Cover	6.5"	X	X	9.3
205X28 FM Pass	94-95 Mustang Damper - Ext Balance 28oz. - w/ 4-Mag Pass Side Cover	6.5"		X	9.0
205X50	94-95 Mustang Damper - Ext Balance 50oz.	6.5"			9.4
205X50 BL	94-95 Mustang Damper - Ext Balance 50oz.	6.5"	X		9.7
205X50 BL FM Pass	94-95 Mustang Damper - Ext Balance 50oz. - w/ 4-Mag Pass Side Cover	6.5"	X	X	9.8
205X50 FM Pass	94-95 Mustang Damper - Ext Balance 50oz. - w/ 4-Mag Pass Side Cover	6.5"		X	9.5
207	6.75" SBF Race Damper	6.75"			7.4
207 FM Pass	6.75" SBF Race Damper - w/ 4-Magnet Cover	6.75"		X	7.4
207 FM-12	6.75" SBF Race Damper - w/ 12-Magnet Cover	6.75"		X	7.4
207 IW	6.75" SBF Race Damper - IW Belt Drive Length Hub	6.75"			7.4
207 IW FM Pass	6.75" SBF Race Damper - IW Belt Drive Length Hub - w/ 4-Mag Cover	6.75"		X	7.8
207 FM IW-12	6.75" SBF Race Damper - IW Belt Drive Length Hub - w/ 12-Mag Cover	6.75"		X	7.9
212	6.75" Pro Stock SBF - Flying Magnet Cover	6.75"		X	5.6
213	6.75" SBF Super Duty Race Damper	6.75"	X		7.7
213 FM Pass	6.75" SBF Super Duty Race Damper - w/ Pass Side 4-Magnet Cover	6.75"	X	X	7.8
213 FM-12	6.75" SBF Super Duty Race Damper - w/ 12-Magnet Cover	6.75"	X	X	7.9
213 IW	6.75" SBF Super Duty Race Damper - IW Belt Drive Length Hub	6.75"	X		7.7
213 FM IW Pass	6.75" SBF Super Duty Race Damper - w/ Pass Side 4-Magnet Cover - IW Belt Drive Length Hub	6.75"	X	X	7.8
213 FM IW-12	6.75" SBF Super Duty Race Damper - w/ 12-Magnet Cover - IW Belt Drive Length Hub	6.75"	X	X	7.9
225	6.75" SBF "BDS" Blower Damper - Internal Balance	6.75"	X		8.0
225 FM Pass	6.75" SBF "BDS" Blower Damper - Int Balance - w/ Pass 4-Magnet Cover	6.75"	X	X	8.1
225X28	6.75" SBF "BDS" Blower Damper - 28oz. External Balance	6.75"	X		9.9
225X28 FM Pass	6.75" SBF "BDS" Blower Damper - 28oz. Ext Balance - /w 4-Magnet Cover	6.75"	X	X	10.0
225X50	6.75" SBF "BDS" Blower Damper - 50oz. External Balance	6.75"	X		10.4
225X50 FM Pass	6.75" SBF "BDS" Blower Damper - 50oz. Ext Balance - /w 4-Magnet Cover	6.75"	X	X	10.5

Options:	
10008 - 3/16 x 2	Double Keyway 3/16" x 2
10008 - 3/16 & 1/4	Double Keyway 3/16" & 1/4" (Requires Blower Hub Option)
10008 - 1/4 X 2	Double Keyway 1/4" x 2 (Requires Blower Hub Option)
931-3125	SBF Flying Magnet Bracket - Passenger Side - 5/16 Holes
931-375	SBF Flying Magnet Bracket - Passenger Side - 3/8" Holes
1035	SBF Flying Magnet Bracket - Drivers Side - 5/16" Holes
964	Crank Trigger Sensor
3000	SBF Billet Timing Pointer

# Harmonic Dampers

## 1968-1997 Big Block Ford (385-Series)



Innovators West offers damper for both the OEM long snout crankshafts but also for the aftermarket short snout "Boss" length crankshafts.

The #209 is designed around a stock length, long snout crankshaft and has the stock OEM 4-bolt pulley pattern and pulley register.

The #210, 214 and 215 dampers are designed for use with the short snout cranks. The #210 provides a BBC 6-bolt pulley pattern and BBC pulley register along with a short hub to tuck the damper up tight to the motor.

The #214 and 215 have the stock 4-bolt pulley pattern and OEM register. The #214 has the short Boss 429 pulley spacing and the #215 has an extended length hub to place the pulley back out to the same spacing as the OEM dampers for use with off the shelf pulley systems.

The #217 dampers are for use with Roots superchargers that need the 2" pulley register and 2.76" bolt pattern.

The #218 and 219 dampers are designed with a BBC bolt pattern for use with crankshaft driven superchargers like Procharger Superchargers.

Part Number	Description	Diameter	Blower Hub	Flying Magnet	Weight (lbs.)
209	7" BBF 460 Damper (Long Snout)	7"			8.5
209 FM Drivers	7" BBF 460 Damper (Long Snout) - 4-Magnet Cover (Drivers Side)	7"		X	8.6
209 FM Pass	7" BBF 460 Damper (Long Snout) - 4-Magnet Cover (Passenger Side)	7"		X	8.6
209 FM-12	7" BBC 460 Damper (Long Snout) - 12-Magnet Cover	7"		X	8.7
210	7" BBF 460 Race Damper (Short Snout Crank)	7"			8.4
210 FM Driver	7" BBF 460 Race Damper (Short Snout Crank) - 4-Magnet Cover (Driver Side Pickup)	7"		X	8.5
210 FM Pass	7" BBF 460 Race Damper (Short Snout Crank) - 4-Magnet Cover (Passenger Side Pickup)	7"		X	8.5
210 FM-12	7" BBF 460 Race Damper (Short Snout Crank) - 12-Magnet Cover	7"		X	8.6
211	7" BBF Pro Stock Damper - 4-Magnet Cover (Passenger Side Pickup)	7"			6.3
214	7" BBF 460 W/ Short Snout Crank (OEM Boss 429 Pulley Spacing)	7"			8.9
214 FM Driver	7" BBF 460 W/ Short Snout Crank (OEM Boss 429 Pulley Spacing) - 4-Magnet Cover (Drivers Side)	7"		X	9.0
214 FM Pass	7" BBF 460 W/ Short Snout Crank (OEM Boss 429 Pulley Spacing) - 4-Magnet Cover (Passenger Side)	7"		X	9.0
214 FM-12	7" BBF 460 W/ Short Snout Crank (OEM Boss 429 Pulley Spacing) - 12-Magnet Cover	7"		X	9.1
215	7" BBF 460 W/ Short Snout Crank (Stock 460 Spacing)	7"			9.4
215 FM Drivers	7" BBF 460 W/ Short Snout Crank (Stock 460 Spacing) - Drivers Side 4-Magnet Cover	7"		X	9.5
215 FM Pass	7" BBF 460 W/ Short Snout Crank (Stock 460 Spacing) - Pass Side 4-Magnet Cover	7"		X	9.5
215 FM-12	7" BBF 460 W/ Short Snout Crank (Stock 460 Spacing) - 12-Magnet Cover	7"		X	9.6
216	7" BBF "BDS" Blower Damper (Long Snout)	7"	X		8.2
216 FM Driver	7" BBF "BDS" Blower Damper (Long Snout) - 4-Magnet Cover (Drivers Side)	7"	X	X	8.3
216 FM Pass	7" BBF "BDS" Blower Damper (Long Snout) - 4-Magnet Cover (Passenger Side)	7"	X	X	8.3
216 FM-12	7" BBF "BDS" Blower Damper (Long Snout) - 12-Magnet Cover	7"	X	X	8.4



## 1968-1997 Big Block Ford (385-Series)

Part Number	Description	Diameter	Blower Hub	Flying Magnet	Weight (lbs.)
217	BBF Race "BDS" Blower Damper (Short Snout Crank)	7"	X		9.1
217 FM Driver	BBF Race "BDS" Blower Damper (Short Snout Crank) - 4-Magnet Cover (Drivers Side)	7"	X	X	9.2
217 FM Pass	BBF Race "BDS" Blower Damper (Short Snout Crank) - 4-Magnet Cover (Passenger Side)	7"	X	X	9.2
217 FM-12	BBF Race "BDS" Blower Damper (Short Snout Crank) - 12-Magnet Cover	7"	X	X	9.3
218	7" BBF Super Duty Blower Damper	7"	X		9.1
218 FM Driver	7" BBF Super Duty Blower Damper (Short Snout Crank) - 4-Magnet Cover (Drivers Side)	7"	X	X	9.2
218 FM Pass	7" BBF Super Duty Blower Damper (Short Snout Crank) - 4-Magnet Cover (Passenger Side)	7"	X	X	9.2
218 FM-12	7" BBF Super Duty Blower Damper (Short Snout Crank) - 12-Magnet Cover	7"	X	X	9.3
219	7" BBF Super Duty Blower Damper (BBC Crank Diameter)	7"	X		9.0
219 FM Driver	7" BBF Super Duty Blower Damper (BBC Crank Diameter) - 4-Magnet Cover (Drivers Side)	7"	X	X	9.1
219 FM Pass	7" BBF Super Duty Blower Damper (BBC Crank Diameter) - 4-Magnet Cover (Passenger Side)	7"	X	X	9.1
219 FM-12	7" BBF Super Duty Blower Damper (BBC Crank Diameter) - 12-Magnet Cover	7"	X	X	9.2

Options:	
10008 - 3/16 x 2	Double Keyway 3/16" x 2
10008 - 3/16 & 1/4	Double Keyway 3/16" & 1/4"
10008 - 1/4 X 2	Double Keyway 1/4" x 2
922	Steel 460 Crank Spacer (IW Length)
932	BBF 460 Flying Magnet Bracket - Passenger Side (Fits with stock timing cover only)
1034	BBF 460 Flying Magnet Bracket - Drivers Side
933	BBF Hemi Flying Magnet Bracket (For Damper #211)
964	Crank Trigger Sensor

## Tech Tip

**Always use a harmonic damper installer and removal tool when working with our dampers. These tools allow you to properly install and remove the damper without worrying about damaging the crankshaft bolt threads or the damper itself. Innovators West sells an install/removal tool as well as several install adapters for use with late model engines with extended length crankshaft bolts.**

# Harmonic Dampers

## 1969-1982 351 Cleveland



The dampers for the 351C feature an OEM 4-bolt pulley pattern and male pulley register. The dampers have OEM offset and a 6.5" diameter damper body.

The #223 dampers feature a larger 6.75" damper body with a 6-bolt BDS bolt pattern (2.760") and a Male 2" pulley register designed to have a root supercharger pulley bolted directly to the damper. This damper has a larger blower hub and matching timing cover oil seal included.

Part #	Description	Diameter	Flying Magnet	Weight (lbs.)
206	351C - Internal Balance	6.5"		7.0
206 FM	351C - Internal Balance - w/ 4-Magnet Cover	6.5"	X	7.1
206X	351C - External Balance	6.5"		9.0
206X FM	351C - External Balance - w/ 4-Magnet Cover	6.5"	X	9.1
223	351C - "BDS" Blower Damper - Internal Balance	6.75"		8.0
223 FM	351C - "BDS" Blower Damper - Internal Balance - /w 4-Magnet Cover	6.75"	X	8.1
223X	351C - "BDS" Blower Damper - External Balance	6.75"		10.0
223X FM	351C - "BDS" Blower Damper - External Balance - /w 4-Magnet Cover	6.75"	X	10.1

### Options:

10008 - 3/16 x 2	Double Keyway 3/16" x 2
10008 - 3/16 & 1/4	Double Keyway 3/16" & 1/4" (Only available on the #223 dampers)
1107	351C Flying Magnet Bracket
964	Crank Trigger Sensor

## 1955-1964 Y-Block Ford



The Y-Block damper is based on our proven 6.5" SBF damper case. The damper features a late model SBF 4-bolt pulley bolt pattern and pulley register. The damper has non-OEM spacing, so an aftermarket accessory drive system will be necessary.

Part #	Description	Diameter	Weight (lbs.)
220	Y-Block Ford (4-Bolt SBF Bolt Pattern)	6.5"	7.4

## 1961-1971 FE Ford



The dampers for the FE Ford engines feature an OEM 3-bolt pulley pattern and male pulley register (register is built into the included crank washer). The dampers have OEM offset when used with the #982 crank spacer or when the OEM spacer is modified. Optional integrated Flying Magnet crank trigger system is available for the FE Ford engines.

Part #	Description	Diameter	Flying Magnet Option	Weight (lbs.)
208	7" FE Ford Damper	7"		7.8
208 FM	7" FE Ford Damper - Flying Magnet Cover	7"	X	7.9

### Options:

982	FE Crank Spacer (Innovators West Length)
1079	FE Crank Spacer (OEM Length)
1036	FE Ford Flying Magnet Bracket - Passenger Side
964	Crank Trigger Sensor

## 1964-1991 Small Block Chrysler



The #301 damper for the Chrysler Small Block engines is based on our ultra reliable and capable 7" damper case. The damper features a stock OEM male pulley register and a symmetrical 6-bolt, 5/16" pulley pattern. The small block damper is designed for use with the OEM 340 steel crank pulley offset.

The #308 damper features the smaller BDS roots blower 6-bolt pattern (2.760") and a Male 2" pulley register that is designed to have the supercharger pulley mounted directly to the damper.

Part #	Description	Diameter	Flying Magnet	Weight (lbs.)
301	7" Small Block Mopar Damper	7"		8.2
301 FM	7" Small Block Mopar Damper - 4-Magnet Cover	7"	X	8.3
301 FM-12	7" Small Block Mopar Damper - 12-Magnet Cover	7"	X	8.4
308	7" SBM "BDS" Blower Damper	7"		8.6
308 FM	7" SBM "BDS" Blower Damper - 4-Magnet Cover	7"	X	8.7
308 FM-12	7" SBM "BDS" Blower Damper - 12-Magnet Cover	7"	X	8.8

### Options:

10008 - 3/16 X 2	Double Keyway 3/16" x 2
10008 - 3/16 & 1/4	Double Keyway 3/16" & 1/4"
10008 - 1/4 X 2	Double Keyway 1/4" x 2
1032	SBM Flying Magnet Bracket - Passenger Side
964	Crank Trigger Sensor

# Harmonic Dampers

## 1965-1978 Big Block Chrysler



The Chrysler Big Block dampers are based on our ultra reliable and capable 7" damper case. The #302 damper features an OEM pulley register and a symmetrical 6-bolt, 5/16" pulley pattern.

The #307 damper is made for crank driven supercharged use with upgraded 3.8" pulley bolt holes.

The #306 is designed for roots blower usage with a male 2" pulley register and a 6 bolt, 2.76" pulley bolt pattern.

Part #	Description	Diameter	Flying Magnet	Weight (lbs.)
302	7" Big Block Mopar Damper	7"		8.8
302 FM	7" Big Block Mopar Damper - 4-Magnet Cover	7"	X	8.9
302 FM-12	7" Big Block Mopar Damper - 12-Magnet Cover	7"	X	9.0
303	6.75" Dodge NHRA/IHRA Pro Stock Damper	6.75"	X	6.1
306	7" BBM "BDS" Blower Damper	7"		8.8
306 FM	7" BBM "BDS" Blower Damper - 4-Magnet Cover	7"	X	8.9
306 FM-12	7" BBM "BDS" Blower Damper - 12-Magnet Cover	7"	X	9.0
307	7" BBM Super Duty Damper	7"		8.9
307 FM	7" BBM Super Duty Damper - 4-Magnet Cover	7"	X	9.0
307 FM-12	7" BBM Super Duty Damper - 12-Magnet Cover	7"	X	9.1

### Options:

10008 - 3/16 X 2	Double Keyway 3/16" x 2
10008 - 3/16 & 1/4	Double Keyway 3/16" & 1/4"
10008 - 1/4 X 2	Double Keyway 1/4" x 2
1033	BBM Flying Magnet Bracket - Passenger Side
964	Crank Trigger Sensor

## 03-15 Dodge/Chrysler/Jeep - Gen 3 HEMI



The Gen 3 HEMI engine dampers are based on our proven 6.75" damper case. The dampers feature a BBC bolt pattern and BBC register on the front of the damper for attaching drive mandrels or additional drive pulleys. They are also compatible with the Procharger Supercharger systems.

Part #	Description	Diameter	Weight (lbs.)
320	06-08 & 11-15 300/Charger/Magnum/Grand Cherokee - 6-Rib Drive - 9% Overdrive (06-08) - 16% Overdrive (11-15)	7.25"	8.8
321	09-10 300/Charger/Challenger/Grand Cherokee - 6-Rib Drive - 16% Overdrive	7.25"	8.5
322	03-08 Dodge Ram Trucks 5.7L - 7-Rib Drive - 3.5% Overdrive	7.25"	9.8
323	09-13 Dodge Ram Trucks - 6-Rib Drive - 16% Overdrive	7.25"	9.4
325	06-08 & 11-15 300/Charger/Magnum/Grand Cherokee - 8-Rib Drive - 9% Overdrive (06-08) - 16% Overdrive (11-15)	7.25"	8.9
326	09-10 300/Charger/Challenger/Grand Cherokee - 8-Rib Drive - 16% Overdrive	7.25"	8.6

### Options:

10008 - 3/16 X 2	Double Keyway 3/16" x 2
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## 2015 - up Dodge/Chrysler HellCat, Dodge Demon & Jeep TrackHawk



The already powerful Gen 3 Hemi HellCat engine can now be taken to the next level. We offer a 9% Overdrive damper for those wanting to spin the supercharger faster for more boost. There is also a stock diameter damper for those wanting the better protection of an aftermarket performance damper but not wanting additional boost. The Drag Pack damper is designed for use on the Mopar Drag Pack cars with the 12-rib drive system. This damper is NHRA legal.

All HellCat dampers come standard with a pin kit that is designed for use with the stock non-keyed crankshaft snout.

Super Duty dampers have a larger diameter hub and come with the matching, required upgraded timing cover seal.

Part #	Description	Diameter	Weight (lbs.)
330	Dodge HellCat, Demon & TrackHawk - 9% Overdrive Damper	8.75"	12.5
330 SD	Dodge HellCat, Demon & TrackHawk - 9% Overdrive Damper - Super Duty Hub	8.75"	12.7
331	Dodge HellCat, Demon & TrackHawk - Standard Diameter Damper	8.025"	11.2
331 SD	Dodge HellCat, Demon & TrackHawk - Standard Diameter Damper - Super Duty Hub	8.025"	11.4
333	Dodge HellCat DragPack Damper - 12-Rib Drive	8.000"	12.0
<b>Options:</b>			
#10008 - 3/16 X 2	Double Keyway 3/16" x 2		

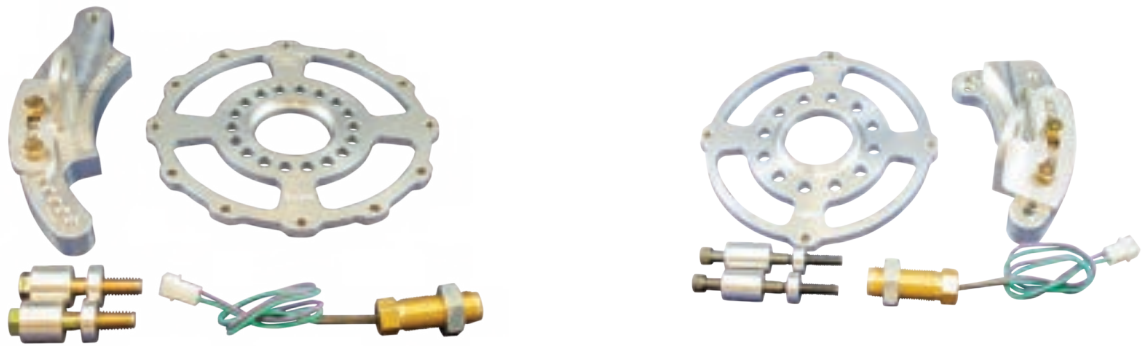
## 1970-1991 AMC



The #401 AMC damper is for high performance AMC race engines that need a high performance damper. This damper utilizes a 6.75" case with a 6-bolt BBC bolt pattern and 2.275" BBC pulley register.

Part Number	Description	Diameter	Weight (lbs.)
401	6.75" AMC	6.75"	7.6

# Crank Triggers



## Crank Trigger Kit (Trigger Wheel, Bracket & Sensor) - SBF

Part #	Description
7000-3125 Pass	SBF 4-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - Stock Timing Cover - 5/16" Bolts
7000-375 Pass	SBF 4-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - Stock Timing Cover - 3/8" Bolts
7000-3125 Pass IW	SBF 4-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - IW or DB Belt Drive - 5/16" Bolts
7000-375 Pass IW	SBF 4-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - IW or DB Belt Drive - 3/8" Bolts
7000-3125 Pass Jesel	SBF 4-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - Jesel Belt Drive - 5/16" Bolts
7000-375 Pass Jesel	SBF 4-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - Jesel Belt Drive - 3/8" Bolts
7000-3125 Driver	SBF 4-Magnet Crank Trigger Kit for 6.5" Damper - Driver Mount - Stock Timing Cover - 5/16" Bolts
7001-3125 Pass	SBF 12-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - Stock Timing Cover - 5/16" Bolts
7001-375 Pass	SBF 12-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - Stock Timing Cover - 3/8" Bolts
7001-3125 Pass IW	SBF 12-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - IW or DB Belt Drive - 5/16" Bolts
7001-375 Pass IW	SBF 12-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - IW or DB Belt Drive - 3/8" Bolts
7001-3125 Pass Jesel	SBF 12-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - Jesel Belt Drive - 5/16" Bolts
7001-375 Pass Jesel	SBF 12-Magnet Crank Trigger Kit for 6.5" Damper - Pass Mount - Jesel Belt Drive - 3/8" Bolts
7001-3125 Driver	SBF 12-Magnet Crank Trigger Kit for 6.5" Damper - Driver Mount - Stock Timing Cover - 5/16" Bolts

## Crank Trigger Kit (Trigger Wheel, Bracket & Sensor) - BBF (4-Bolt Damper and OEM damper offset)

Part #	Description
7008 Driver	BBF 4-Magnet Crank Trigger Kit - Driver Side Mount
7008 Pass	BBF 4-Magnet Crank Trigger Kit - Passenger Side Mount
7009 Driver	BBF 12-Magnet Crank Trigger Kit - Driver Side Mount
7009 Pass	BBF 12-Magnet Crank Trigger Kit - Passenger Side Mount

## Crank Trigger Kit (Trigger Wheel, Bracket & Sensor) - BBC

Part #	Description
7004 Pass	BBC 4-Magnet Crank Trigger Kit - Passenger Side Mount
7004 Driver	BBC 4-Magnet Crank Trigger Kit - Driver Side Mount
7005 Pass	BBC 12-Magnet Crank Trigger Kit - Passenger Side Mount
7005 Driver	BBC 12-Magnet Crank Trigger Kit - Driver Side Mount

### Crank Trigger Kit (Trigger Wheel, Bracket & Sensor) - SBC

Part #	Description
7006	SBC 4-Magnet Crank Trigger Kit - Passenger Side Mount
7007	SBC 12-Magnet Crank Trigger Kit - Passenger Side Mount

\*\* NOTE - SBC Damper must have a flat face and a 1.250" hub register on the flat face for this trigger wheel to register and run true.

### Crank Trigger Kit (Trigger Wheel, Bracket & Sensor) - LSx Race

\*\* NOTE - These crank trigger kits are designed exclusively for installation on a Innovators West #845 LS Race Damper. If installing onto a different damper, the damper must have a 3.200" BBC bolt pattern and a 2.275" BBC female pulley register. Bolt lengths and spacer will need to be adjusted to position the sensor in the proper position.

Part #	Description
7002 Pass	LSx 4-Magnet Crank Trigger Kit - Passenger Side Mount
7002 Driver	LSx 4-Magnet Crank Trigger Kit - Driver Side Mount
7003 Pass	LSx 12-Magnet Crank Trigger Kit - Passenger Side Mount
7003 Driver	LSx 12-Magnet Crank Trigger Kit - Driver Side Mount

### Crank Trigger Bracket - LS Serpentine Applications

\*\* NOTE - These are brackets only. They are designed to be paired with the Innovators West LSx (#1099), LS Overdrive (#1121) or BBC (#1097) trigger wheels depending on the needed diameter to clear your serpentine damper.

Part #	Description
1124 Pass	LS Corvette - Passenger Side Mount
1124 Driver	LS Corvette - Driver Side Mount
1125 Pass	LS GTO/F-Body - Passenger Side Mount
1125 Driver	LS GTO/F-Body - Driver Side Mount
1126 Pass	LS Truck/Gen 5 Camaro - Passenger Side Mount
1126 Driver	LS Truck/Gen 5 Camaro - Driver Side Mount

### Crank Trigger Wheel Only - BDS/Roots

Part #	Description
1112	4-Magnet BDS Crank Trigger Wheel
1112-12	12-Magnet BDS Crank Trigger Wheel

\*\* NOTE - These trigger wheels have a 2.760" bolt pattern and a 2" through hole. If your damper does not have a long enough pulley register to go through this wheel and register the pulley, the #1118 BDS register adapter is available separately to be combined with this trigger wheel.

# Belt Drive Timing Systems



**#5300 - SBF**

## Small Block Ford

Part #	Description
5300	Small Block Ford
5301	Small Block Ford - w/ BBC Mount Pads
<b>Options:</b>	
6013	SBF - High Vacuum Seal
6017	Camshaft Drive Distributor Adapter
6016	3/8" Hex Drive Adapter
6000	Replacement Belt - SBF
6005	Seal & Gasket Kit - SBF
6010	SBF Cam Retainer Plate



**#5401- BBF  
w/ BBC Mounts**

## Big Block Ford

Part #	Description
5400	Big Block Ford
5401	Big Block Ford w/ BBC Motor Mount Pads
5402	BBF w/ Raised Cam Height
5403	BBF w/ BBC Crank Snout
5404	BBF w/ BBC Crank Snout & Motor Mounts
<b>Options:</b>	
6012	BBF - High Vacuum Seals
6017	Camshaft Drive Distributor Adapter
6016	3/8" Hex Drive Adapter
6001	Replacement Belt - BBF
6002	Replacement Belt - BBF Raised Cam
6006	Seal & Gasket Kit - BBF
6011	BBF Cam Retainer Plate



**#5201 - LSx**

## LSx Chevrolet

Part #	Description
5200	LSx Chevrolet
5201	LSx Chevrolet w/ BBC Mount Pads
5202	LSx Belt Drive - RHS Raised Cam
5203	LSx Belt Drive w/ BBC Motor Mount Pads - RHS Raised Cam
<b>Options:</b>	
6015	LSx - High Vacuum Seals
6004	Replacement Belt - LSx
6009	Seal & O-Ring Kit - LSx



## Big Block Chevrolet



**#5100 - BBC**

Part #	Description
5100	Big Block Chevrolet - Stock Cam Height
5101	Big Block Chevrolet - .400" Raised Cam Height

Options:	
6014	BBC - Hugh Vacuum Seals
6021	Camshaft Drive Distributor Adapter
6020	3/8" Hex Drive Adapter
6003	Replacement Belt - BBC
6008	Seal & Gasket Kit - BBC (Stock Cam Height)

## Belt Drive Components

Part #	Description
6024	BBC Cam Sync Bracket - Stock Cam Height
6028	BBC Cam Sync Bracket - .400" Raised Cam
6026	LSx Cam Sync Bracket
6027	SBF Cam Sync Bracket
6025	BBF Cam Sync Bracket
6019	SBF/BBF Hardened Camshaft Dowel
6022	BBC Hardened Camshaft Dowel

## Tech Tip

The addition of the "BBC Mount Pads" allows the ease of adding items such as power steering pumps, vacuum pumps, oil pumps, motor plates, blower crank supports. The BBC mounts replicate the factory BBC bolt holes in the front of the BBC block. This allows a person to buy common, off the shelf items that would normally bolt directly on to a BBC and bolt them onto your SBF, BBF or LSx with minimal alterations or fabrication!

# Components

## Components

Part #	Description
900	Chrysler Hemi Pin Kit (For Dampers #320 & #324)
901	Chrysler Hemi Pin Kit (For Damper #321)
902	Chrysler Hemi Pin Kit (For Damper #322)
904	Chrysler Hemi Pin Kit (FOR Damper #323)
909	Gen 5 Camaro 10-Rib P/S Pulley
910	Corvette 10-Rib P/S Pulley
911	LS Truck 10-Rib P/S Pulley
913	GM 10-Rib Alternator Pulley
914	GM 10-Rib Smooth Idler Pulley
915	Corvette 10-Rib Tensioner Pulley
916	GM 10-Rib Tensioner Pulley
917	SBF / Y-Block Single V Belt Pulley
918-270	Magnuson 10-Rib Blower Pulley - 2.70"
918-280	Magnuson 10-Rib Blower Pulley - 2.80"
918-290	Magnuson 10-Rib Blower Pulley - 2.90"
918-300	Magnuson 10-Rib Blower Pulley - 3.00"
918-310	Magnuson 10-Rib Blower Pulley - 3.10"
918-320	Magnuson 10-Rib Blower Pulley - 3.20"
918-330	Magnuson 10-Rib Blower Pulley - 3.30"
918-340	Magnuson 10-Rib Blower Pulley - 3.40"
918-350	Magnuson 10-Rib Blower Pulley - 3.50"
918-360	Magnuson 10-Rib Blower Pulley - 3.60"
919	99-06 GM Truck 10-Rib W/P Pulley
920	10-Rib LS7 Vette W/P Pulley
921	Steel 460 Crank Spacer (OEM Length)
922	Steel 460 Crank Spacer (IW Length)
923	28 oz. SBF Balance Weight
923B	28 oz. SBF Balance Weight - Blower Hub
924	50 oz. SBF Balance Weight
924B	50 oz. SBF Balance Weight - Blower Hub
925	BBC External Balance Weight
926	351C External Balance Weight
927	400 SBC External Balance Weight
928	94-95 Mustang Crank Pulley Spacer
929	BBC Flying Magnet Bracket - Passenger Side
930	SBC Flying Magnet Bracket - Passenger Side
931-3125	SBF Flying Magnet Bracket - Passenger Side - 5/16 Holes - Stock Timing Cover
931-3125 IW	SBF Flying Magnet Bracket - Passenger Side - 5/16 Holes - Innovators West or Danny Bee Belt Drive
931-3125 Jesel	SBF Flying Magnet Bracket - Passenger Side - 5/16 Holes - Jesel Belt Drive
931-375	SBF Flying Magnet Bracket - Passenger Side - 3/8" Holes - Stock Timing Cover
931-375 IW	SBF Flying Magnet Bracket - Passenger Side - 3/8" Holes - Innovators West or Danny Bee Belt Drive

## Components

Part #	Description
931-375 Jesel	SBF Flying Magnet Bracket - Passenger Side - 3/8" Holes - Jesel Belt Drive
932	BBF 460 Flying Magnet Bracket - Passenger Side
933	BBF Hemi Flying Magnet Bracket - Passenger Side (For use with #211 Damper)
935	Long Passenger Side Timing Pointer Slide
937	Long Passenger Transducer Slide - 6.5" Damper
938	Short Passenger Transducers Slide - 7" Damper
941	Small Mandrel Washers
943	Mandrel V-Belt Pulley
945	SBF 4-Bolt Oil Pump Mandrel Assembly
946	SBC Oil Pump Mandrel Assembly
947	BBC Oil Pump Mandrel Assembly
949	BBF 460 4-Bolt Oil Pump Mandrel Assembly
950	Ford Mod Motor Oil Pump Mandrel Assembly
951	Mandrel End Cap
952	Mandrel Bolt
953	SBF Crank Bolt
954-.5	1/2" Mandrel Spacer
954-.75	3/4" Mandrel Spacer
954-1	1" Mandrel Spacer
954-1.25	1 1/4" Mandrel Spacer
954-1.5	1 1/2" Mandrel Spacer
954-1.75	1 3/4" Mandrel Spacer
954-2	2" Mandrel Spacer
954-2.5	2 1/2" Mandrel Spacer
955	BBC Crank Washer
956	SBF Crank Washer
957	4.6L/5.4L Mod Ford Crank Washer
958	Ford 4.6L Crank Bolt
959	GM LS/Hellcat Crank Washer
960	LS Corvette Crank Bolt
961	LS Gen 4 Camaro / GTO Crank Bolt
962	LS Truck / Gen 5 Camaro Crank Bolt
964	Crank Trigger Sensor
965	Shelby GT500 Crank Bolt
966	Crankshaft Pin Kit - LS1/2/3/6 Corvette
967	Crankshaft Pin Kit - LS1/LS2 GTO
968	Crankshaft Pin Kit - GM Truck & Gen 5 Camaro
970	GM 8-Rib Alternator Pulley
970-1	GM 8-Rib Alternator Pulley Shim (Used on Gen 5 Camaro applications)
971	LS Truck Large Smooth Idler Pulley 8-Rib
972	GM 8-Rib Smooth Idler Pulley

# Components

## Components

Part #	Description
973	GM 8-Rib Ribbed Tensioner Pulley
974	GM 8-Rib Corvette Power Steering Pulley
975	Ford 5.0L Coyote Crank Washer
976	GM 8-Rib Trailblazer Power Steering Pulley
977	GM 8-Rib GTO P/S Pulley - 1st Design
979	LS Truck P/S Pulley
980	GM 8-Rib Tensioner Pulley - Corvette 2.75" OD
981	GM Gen 5 Camaro Idler shaft
982	FE Crank Spacer (IW Length)
983	SBF Blower Hub Oil Seal
984	Mod Motor Super Duty Hub Oil Seal
1001	Gen 2 CTS-V 2.55" Blower Pulley
1002-270	Magnuson TVS Blower Pulley 8-Rib 2.7"
1002-280	Magnuson TVS Blower Pulley 8-Rib 2.8"
1002-290	Magnuson TVS Blower Pulley 8-Rib 2.9"
1002-300	Magnuson TVS Blower Pulley 8-Rib 3.0"
1002-310	Magnuson TVS Blower Pulley 8-Rib 3.1"
1002-320	Magnuson TVS Blower Pulley 8-Rib 3.2"
1002-330	Magnuson TVS Blower Pulley 8-Rib 3.3"
1002-340	Magnuson TVS Blower Pulley 8-Rib 3.4"
1002-350	Magnuson TVS Blower Pulley 8-Rib 3.5"
1002-360	Magnuson TVS Blower Pulley 8-Rib 3.6"
1007	Gen 5 Camaro 8-Rib P/S Pulley
1008	Gen 2 CTS-V 2.85" Blower Pulley
1009	GM 8-Rib 2.75" Smooth Idler Pulley
1010	GM 8-Rib Idler Pulley - Offset
1011	4.6L Mod Motor 8-Rib P/S Pulley
1012	96-Early 01 4.6L 8-Rib Water Pump Pulley
1013	4.6L Mod Motor 8-Rib Idler Pulley
1014	4.6L Mod Motor 8-Rib Alternator Pulley
1018	2V Mod Motor Alternator Pulley
1019	10-Rib Alternator Pulley - 07-14 LS Truck, GTO, F-Body
1020	10-Rib GM Truck Large Smooth Idler
1023	LSx Blower Hub Oil Seal
1027	2.125" 4-Rib Alternator Pulley
1028	2.125" 6-Rib Alternator Pulley
1030	SBC Blower Hub Timing Cover Oil Seal
1031	LS1 F-Body / GTO / 07-14 LS Truck 8-Rib Alternator Pulley
1032	SBM Flying Magnet Bracket - Drivers Side
1033	BBM Flying Magnet Bracket - Passenger Side
1034	BBF Flying Magnet Bracket - Drivers Side

## Components

Part #	Description
1035	SBF Flying Magnet Bracket - Drivers Side
1036	FE Ford Flying Magnet Bracket - Passenger Side
1037	LSx Flying Magnet Bracket - Drivers Side
1038	LSx Flying Magnet Bracket - Passenger Side
1039	BBC Single V-Belt Pulley
1047	07-13 LS Truck 10-Rib W/P Pulley
1049	LS2 GTO (2nd Design) P/S Pulley
1051	Late 2001-2010 Mustang 8-Rib Water Pump Pulley
1052	LS Corvette 16mm Alternator Nut
1053	LS GTO 17mm X 1.5 Alternator Nut
1054	HEMI M12 Crank Washer
1055	HEMI M12 Crank Bolt - Car
1056	HEMI M12 Crank Bolt - Truck
1058	HellCat Crank Bolt
1060	GM EcoTec3 Truck Crank Bolt
1061	Gen 3 CTS-V Crank Bolt
1063	5.0L Coyote Crank Bolt
1064	BBC Crank Trigger Mount - Drivers Side
1065	2014+ GM EcoTec3 Truck Alternator Nut M14-1.5
1068	2014+ GM EcoTec3 Truck 8-Rib Water Pump Pulley
1069	2014+ GM EcoTec3 Truck Tensioner Arm Spacer & Idler Pulley
1070	2014+ GM EcoTec3 Truck 8-Rib Alternator Pulley
1071	BBF Crank Bolt
1072	2014+ GM EcoTec3 Truck 8-Rib Conversion Kit +10% Overdrive
1073	Ford 6.2L Crank Bolt - M14-1.5X110mm 10.9
1074	Ford 6.2L Crank Washer
1075	Drivers Side Transducer Slide - 7" Damper
1076	Pontiac FM Crank Trigger Bracket - Pass Side
1079	Ford FE OEM Length Crank Spacer
1080	06-08 Dodge 8-Rib P/S Pulley
1082	13-17 Dodge 8-Rib P/S Pulley
1084	11-18 Dodge 8-Rib W/P Pulley
1085	11-18 Dodge 6-Rib W/P Pulley
1086	Mopar 8-Rib Alternator Pulley
1087	Mopar 8-Rib Smooth Idler Pulley
1088	GM 8-Rib 2.800" Underdrive Alternator Pulley
1089	LS1 F-Body / GTO / 07-14 GM Truck 8-Rib 2.800" Underdrive Alternator Pulley
1090	LS1 F-Body / GTO / 07-14 GM Truck 10-Rib 2.800" Underdrive Alternator Pulley
1091	GM 10-Rib 2.800" Underdrive Alternator Pulley
1092	Mopar 8-Rib Underdrive Alternator Pulley
1093	Mopar 6-Rib Underdrive Alternator Pulley

# Components

## Components

Part #	Description
1094	4-Rib COPO Accessory Pulley
1095	Corvette LT4/LT5 Crankshaft Bolt
1096	2015-up 5.0L Coyote Procharger Crank Pulley 7.65" 8-Rib
1097	BBC 4-Magnet Crank Trigger Wheel
1097-12	BBC 12-Magnet Crank Trigger Wheel
1098	SBF 4-Magnet Crank Trigger Wheel
1098-12	SBF 12-Magnet Crank Trigger Wheel
1099	LSx 4-Magnet Crank Trigger Wheel
1099-12	LSx 12-Magnet Crank Trigger Wheel
1100	HellCat Super Duty Seal Assembly
1101	HellCat Super Duty Pin Kit
1102	HellCat Pin Kit
1103	SBC Crankshaft Bolt - 7/16"-20 x 3"
1105	BBC Crankshaft Bolt
1106	28T LS Dry Sump Gear
1107	351C Flying Magnet Bracket
1108	3/4"-16 to 3/8"-24 Crank Sensor Bushing
1109	3/4"-16 to M12-1.0 CrankSensor Bushing
1110	3/4"-16 Blank Crank Sensor Bushing
1111	6" 6-Rib BBC Serpentine Crank Pulley
1112	"BDS" 4-Magnet Crank Trigger Wheel
1112-12	"BDS" 12-Magnet Crank Trigger Wheel
1113	SBC 4-Magnet Crank Trigger Wheel
1113-12	SBC 12-Magnet Crank Trigger Wheel
1114	BBF 4-Magnet Crank Trigger Wheel
1114-12	BBF 12-Magnet Crank Trigger Wheel
1115	Coyote/Mod Trigger Wheel Adapter
1116	BBC to BDS Pulley Adapter
1117	.500" BBC Crank Pulley Spacer
1118	BDS Pulley Register Adapter
1119	FE Oil Pump Mandrel Assembly
1120	Crank Trigger Wheel Adapter for non-IW Dampers
1121	LS Overdrive 4-Magnet Crank Trigger Wheel
1121-12	LS Overdrive 12-Magnet Crank Trigger Wheel
1123	LS Crank Trigger Transducer Slide
1124	LS Vette Serpentine Crank Trigger Bracket
1125	LS GTO Serpentine Crank Trigger Bracket
1126	LS Truck Serpentine Crank Trigger Bracket
1127	LS Vette 10-Rib Crank Trigger Spacer Kit
1128	LS GTO 8-Rib Crank Trigger Spacer Kit
1129	LS Truck 10-Rib Crank Trigger Spacer Kit

# Tools / Apparel

## Tools

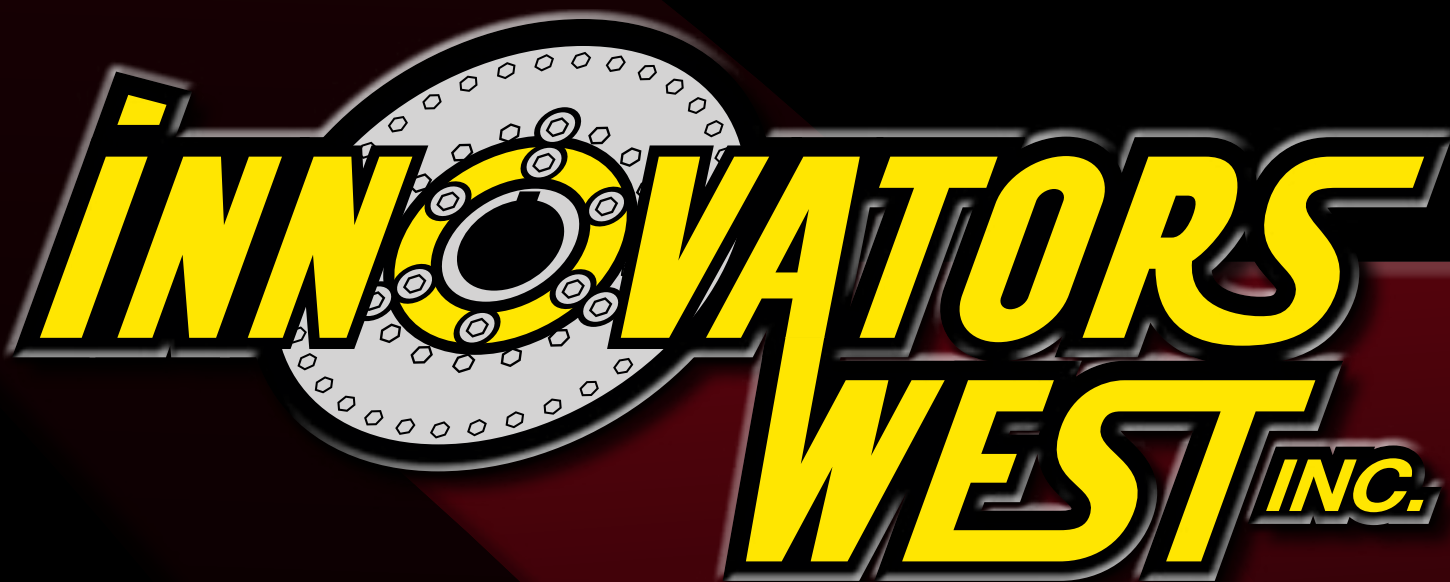


Part #	Description
10200	Damper Installer/Puller
10201	GM LS Crankshaft Installer Adapter
10202	Ford GT500 Crankshaft Installer Adapter
10203	Ford Modular Motor Crankshaft Installer Adapter
10204	Extreme Pressure Lube
10205	Coyote Install Tool
10207	HellCat Crankshaft Installer Adapter
10208	Gen3 Hemi Crankshaft Installer Adapter
10209	.200" SBF Jesel Damper Spacer
10210	.250" SBF Damper Spacer
10211	7.3L Ford Godzilla Crankshaft Installer Adapter
10212	.350" BBC Damper Spacer



## Apparel & Promotional Items





# **INNOVATORS WEST INC.**

**2816 Centennial Road**

**Salina, KS 67401**

**Phone: (785) 825-6166**

**[www.innovatorswest.com](http://www.innovatorswest.com)**

**[sales@innovatorswest.com](mailto:sales@innovatorswest.com)**



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