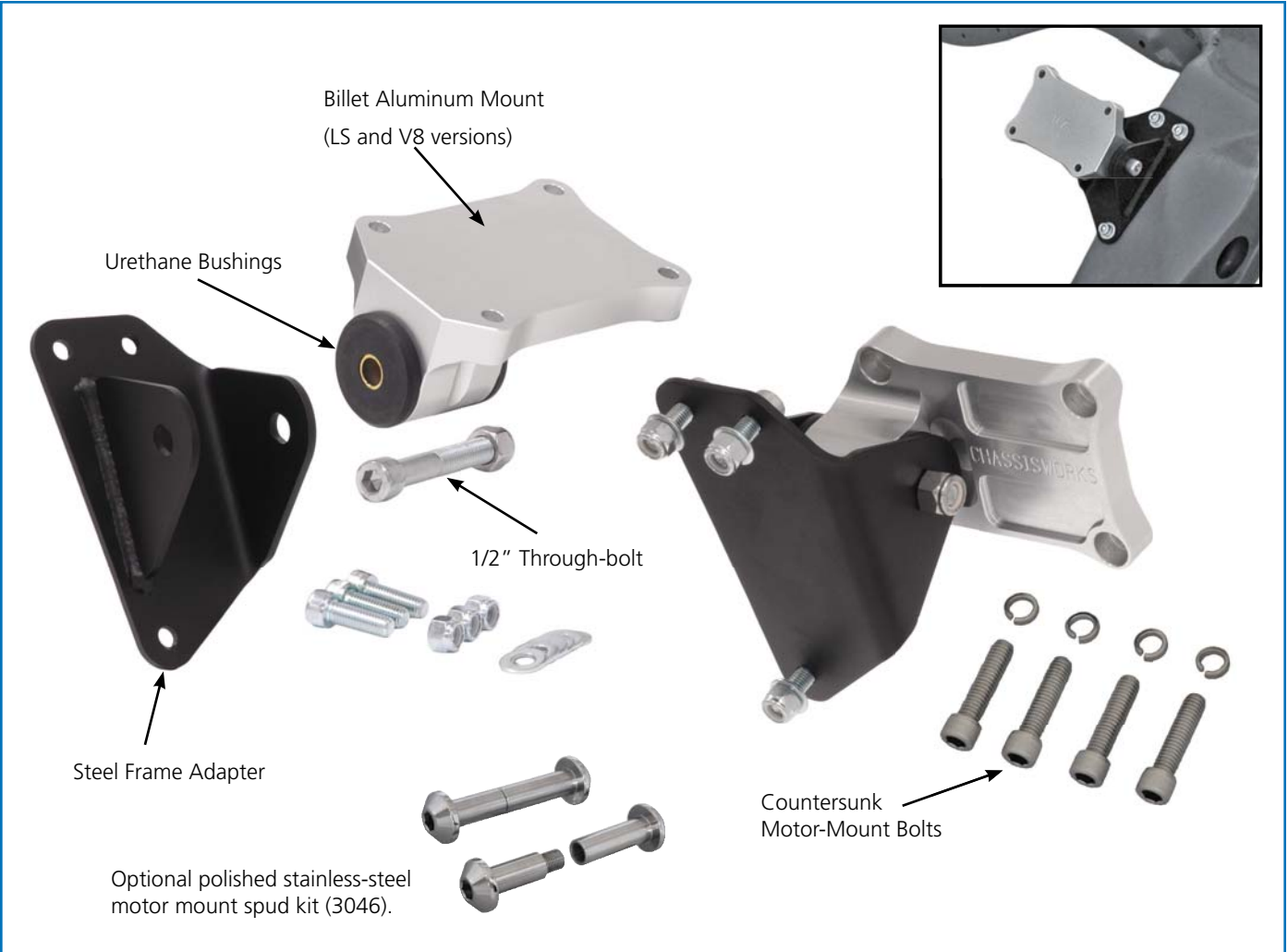




GM Billet Motor Mount and Adapter Set '67-81 F-Body, '68-74 X-Body, and '64-72 A-Body



Billet Motor Mount and Frame Adapters

Chassisworks billet-aluminum motor mount and frame adapter sets enable direct bolt-in installation of Chevrolet's modern LS engines and standard V8 and 4.3L V6 side-mount engines into 1967-81 Camaro/Firebird (F-Body), 1968-74 Nova (X-Body), and 1964-72 Chevelle (A-Body) factory frames. CNC-machined, billet-aluminum mounts feature a steel-sleeved, urethane bushing set secured by a 1/2" through-bolt. This captive-bushing design creates an inseparable mount with strength and reliability of a solid mount, but with significantly less vibration.

Correct engine position and drivetrain angle is maintained with either mount set to ensure correct drivetrain geometry and pinion angle. Kits include powder-coated steel frame adapters, complete mounting hardware set, and choice of bare-machine, satin-anodized, or polished finish motor mounts.

Note: Tubular crossmembers with standard side-mount- or LS-engine specific frame adapters are also available.



Chevy Side Mount

The standard Chevrolet three-hole bolt pattern allows installation of small- or big-block V8's, as well as 4.3L V6 engines. Separate frame adapter sets are available for small-block and big-block installations to match the factory engine location. Small-block frame adapters center the engine within the chassis and big-block adapters offset the engine toward the passenger side for adequate clearance around the steering system.



Satin Anodized Finish



Polished Finish



Part Number	Description	Price
5914-A10-V8	1964-67 Chevelle (A-Body) V8-Series Engines	\$239. ⁰⁰
5914-A20-V8	1968-72 Chevelle (A-Body) V8-Series Engines	239. ⁰⁰
5914-F10-BB	1967-69 Camaro/Firebird (F-Body), 1968-74 Nova (X-Body) Big-Block V8 Engines	249. ⁰⁰
5914-F10-SB	1967-69 Camaro/Firebird (F-Body), 1968-74 Nova (X-Body) Small-Block V8 Engines	239. ⁰⁰
5914-F20-V8	1970-71 Camaro/Firebird (F-Body) V8-Series Engines	239. ⁰⁰
5914-F21-V8	1972-81 Camaro/Firebird (F-Body) V8-Series Engines	239. ⁰⁰
OPTIONS	Bare Machine Finish	included
	Satin Anodized Finish	add 15. ⁰⁰
	Polished Finish	add 30. ⁰⁰
	Motor-Mount Spud Hardware Set, Polished Finish (3046)	add 70. ⁰⁰

LS Mount

Chevrolet LS-series engines are proportioned a bit differently than the standard V8 or six-cylinder motor that may have been installed in your Camaro, Firebird, or Nova. To ensure the drivetrain geometry remains unchanged, our billet LS mounts maintain the correct engine height and angle to prevent any pinion angle mismatches or drivetrain vibration. The LS engine is also moved forward 1-1/4", allowing the cylinder heads and valve covers to adequately clear the firewall. This correction also requires a slightly different transmission crossmember position for which we offer a tubular crossmember and adapter mount that bolts directly in place of the factory crossmember.



Satin Anodized Finish



Polished Finish



Part Number	Description	Price
5914-A10-LS	1964-67 Chevelle (A-Body) LS-Series Engines	\$298. ⁰⁰
5914-A20-LS	1968-72 Chevelle (A-Body) LS-Series Engines	298. ⁰⁰
5914-F10-LS	1967-69 Camaro/Firebird (F-Body), 1968-74 Nova (X-Body) LS-Series Engines	298. ⁰⁰
5914-F20-LS	1970-71 Camaro/Firebird (F-Body) LS-Series Engines	298. ⁰⁰
5914-F21-LS	1972-81 Camaro/Firebird (F-Body) LS-Series Engines	298. ⁰⁰
OPTIONS	Bare Machine Finish	included
	Satin Anodized Finish	add 20. ⁰⁰
	Polished Finish	add 35. ⁰⁰
	Motor-Mount Spud Hardware Set, Polished Finish (3046)	add 70. ⁰⁰

Transmission Crossmembers for Camaro and Nova Subframes

To accommodate popular drivetrain combinations, direct bolt-in, tubular transmission crossmembers are available for factory-subframes in GM F-body (1967-81 Camaro and Firebird) and X-body (1968-79 Nova, Apollo, Omega, and Ventura) vehicles. Crossmembers are 1-1/4 x .120"-wall steel, dual-tube, fully enclosed structures that are stronger than OEM stamped designs and rigid enough for the vehicle to benefit from stiff polyurethane transmission mounts.

Transmission Mount Frame Adapters

Our frame adapters are CNC machined from billet steel. These allow our exclusive tubular transmission crossmember to bolt into the OEM subframe, maintaining the correct engine transmission location and drive live angle.



5916-F10-04 - Richmond 6-speed ROD
(Adapter mounts sold separately)

OEM Frame Clip - 1967-69 Camaro/Firebird and 1968-74 Nova Chassisworks Clip - 1967-69 Camaro/Firebird and 1968-72 Nova

Part Number	Description	Position ¹	Price
5916-F10-01	4-Speed / Powerglide / Turbo 350 Transmission Crossmember	20.525"	\$179. ⁰⁰
5916-F10-02	700R4 / Tremec / Richmond 5-Speed / 4L60 Transmission Crossmember	22.295"	189. ⁰⁰
5916-F10-03	Turbo 400 / 200-4R / 4L65E ² Transmission Crossmember	26.848"	199. ⁰⁰
5916-F10-04	Richmond 6-Speed ROD Transmission Crossmember	24.375"	219. ⁰⁰
5916-F10-11	OEM Frame Clip Crossmember Adapters for V8 Engines	-	69. ⁰⁰
5916-F10-12	OEM Frame Clip Crossmember Adapters for LS Engines	-	89. ⁰⁰
ESP 3.1108G	GM-Style Transmission Mount, Polyurethane, Black	-	28. ⁰⁰
Notes:			
1	Position of mount is the measured distance from back surface of engine block to center of transmission mounting holes. Use length shown to determine usable crossmember for transmissions not listed. (Must verify pan clearance.)		
2	4L65E transmission can be used with LS-series engine only. 5916-F10-03 crossmember must be mounted in rearmost holes of subframe bracket.		

1970-76 Camaro/Firebird, 1975-79 Nova - OEM Frame Clip 1970-81 Camaro/Firebird - Chassisworks Clip

Part Number	Description	Position ¹	Price
5916-F20-01	4-Speed / Powerglide / Turbo 350 Transmission Crossmember	20.525"	\$189. ⁰⁰
5916-F20-02	700R4 / Tremec / Richmond 5-Speed / 4L60 Transmission Crossmember	22.295"	199. ⁰⁰
5916-F20-03	Turbo 400 / 200-4R / 4L65E ² Transmission Crossmember	26.848"	209. ⁰⁰
5916-F20-04	Richmond 6-Speed ROD Transmission Crossmember	24.375"	229. ⁰⁰
5816-F20-13	OEM Frame Clip Crossmember Adapters for V8 and LS Engines	-	69. ⁰⁰
ESP 3.1108G	GM-Style Transmission Mount, Polyurethane, Black	-	28. ⁰⁰
Notes:			
1	Position of mount is the measured distance from back surface of engine block to center of transmission mounting holes. Use length shown to determine usable crossmember for transmissions not listed. (Must verify pan clearance.)		
2	4L65E transmission can be used with LS-series engine only. 5916-F20-03 crossmember must be mounted in rearmost holes of subframe bracket.		

All prices subject to change. Current pricing available at www.cachassisworks.com.



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