

1956 - 1968 Corvette: Service News: Connecting Rod Bolt Usage

Model Year: 1956-1968

Subject: Connecting Rod Bolt Usage

Source: Chevrolet Service News

Date: August, 1968

A new connecting rod assembly incorporating a 7/16" diameter connecting rod bolt is being used in late built Corvette R.P.O. L-88 (427 cu. in., 430 H.P.) engines and heavy duty M4 service engines. Early built R.P.O. L-88 engines and all other 427 cu. in. engines incorporate the 3/8" diameter bolt. The connecting rod nut used on the 7/16" diameter bolt should be torqued to 70 ft.-lbs.; the 3/8" diameter bolt nut should be torqued to 45 ft.-lbs.

Due to considerable variance between connecting rod bolt usages, a chart has been included in this article giving a listing of connecting rod applications by model year and by part number.

Connecting Rod Bolt Usage Chart		
Year	Application	Part No.
1968	Corvair	6255636
	4 & 6 cylinder engines (except 292)	3892670
	292 cu. in. engine	3789421
	307, 327 & 350 cu. in. engine	3916399
	366, 396, & 427 (except Corvette RPO L-88 2nd Design) cu. in. engine	3862720
	Corvette RPO L-88 2nd Design (427 cu. in., 430 H.P.) ¹	3942409
	1967	Corvair
4 & 6 cylinder engines (except 292)		3892670
292 cu. in. engine		3789421
283, 327 & 350 cu. in engine		3892670
366, 396 & 427 cu. in. engine		3862720
1963-1966		

	Corvair	6255636
	4 & 6 cylinder (except 292 engine & 1963 L-6 engine used in K Series Trucks)	3892670
	292 cu. in. engine	3789421
	L6 engine used in 1963 K Series Trucks	3916399
	V-8 engines (except 348, 409, 366, 396 & 427)	3892670
	348 & 409 (except Special High Performance RPO Z-11)	3732718
	Special High Performance 409 engine (RPO Z-11) offered in 1963	3837689
	366, 396 & 427 cu. in. engine	3862720
1962		
	Corvair	6255636
	6 cylinder engines (except Chevy II)	3836670
	Chevy II 4 & 6 cylinder engine	3892670
	V-8 engines (except 348 & 409 engines)	3892670
	348 & 409 cu. in. engine	3732718
1956²-1961		
	Corvair	6255636
	6 cylinder engines	3836670
	V-8 engines (except 348 & 409 engines)	3892670
	348 & 409 cu. in. engine	3732718
<p>1: Also used in Heavy Duty M4 service engines. 2: For model years prior to 1956 reference Parts Catalog under group 0.623.</p>		

Connecting Rod Bolt Configuration		
Part No.	Thread	Torque.
3732718	3/8-24 x 2	45 FT. LBS.
3789421	3/8-24 x 1 29/32	45 FT. LBS.
3836670	3/8-24 x 2 1/4	45 FT. LBS.

3837689	3/8-24 x 2 25/64	45 FT. LBS.
38623720	3/8-24 x 2 1/8	45 FT. LBS.
38923670	11/32-24 x 1 7/8	35 FT. LBS.
3916399	3/8-24 x 1 39/64	45 FT. LBS.
3942409	7/16-24 x 2 1/8	70 FT. LBS.
6255636	5/16-24 x 1 57/64	25 FT. LBS.

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