



PREMIUM HEAD & MAIN BOLTS

These premium grade bolts are forged from 8740 chrome moly steel. They are ground and thread rolled after heat treat to assure exacting tolerances.

Other special features are: a 1/2" hex head for greater socket clearance, a wide flange area under the head for greater load spread, and a black oxide finish. When used with head bolt washer package #82210, they provide an excellent fastening system which will give high strength and consistent torque readings. The tensile strength of these premium fasteners is 170,000 PSI.

The Milodon name stamped on the head is your assurance of quality and means that these bolts are 100% warranted unbreakable. Packaged in



- HEAD BOLT KITS -

Small Block Chevy 283-400	80000
Big Block Chevy 396-454, Mark IV & V	80005
Australian Holden V-8	80008
Small Block Ford 289-302	80010
Big Block Chrysler 383-440	80015
Oldsmobile 425-455 (1968-75)	80020

- MAIN BOLT KITS -

Small Block Chevy 350-400 (2 Bolt)	80030
Small Block Chevy 283-327 (2 Bolt)	80031
Small Block Chevy 350-400 (4 Bolt)	80032
Small Block Ford 289-302 (2 Bolt)	80035

TECH NOTE: When installing any bolt set, the block threads must be cleaned up with a flat nosed, bottom tap or chaser tap prior to bolt installation. Install head bolts with non-hardening thread sealer and main bolts with oil. Torque all head and main bolts to 65 ft./lbs. with oil.



#82210

HEAD BOLT WASHERS

Hardened, parallel ground head bolt washers properly spread the bolts' loads evenly on the head as well as promotes accurate, even bolt torques.

Small and Big Block Chevy, Big Block Chrysler Ford 289-351W and Olds (except 403)	82210
Ford 351C, 390 and 428, SB Chrysler, Pontiac, and Olds 403 and Diesel	82215



#82230

NUT AND WASHER KITS

Same high quality parts used in Milodon complete head and main stud kits.

Nut and Washer Kit – 7/16" (10 pieces each) ...	82100
Nut and Washer Kit – 1/2" (10 pieces each)	82200
Washers Only – 7/16" (34 pieces)	82210
Washers Only – 1/2" (30 pieces)	82215
Nuts Only – 12 Point, 7/16" (10 pieces)	82230
Nuts Only – 12 Point, 1/2" (10 pieces)	82235



PREMIUM HEAD STUDS



— PROFESSIONAL QUALITY FOR 40 YEARS —



- **Milodon has 40 years of experience in quality fastener manufacturing**
- **Studs are required where maximum gasket loading and reduced wear & tear on block threads are desired**
- **Aircraft quality, 8740 chrome moly steel is used to produce premium grade, race quality fasteners, right in Milodon's own plant**
- **Ground and thread rolled after heat treat to assure the exacting tolerances**
- **190,000 PSI tensile strength is equal to the most demanding of applications**
- **Kits include 4130 heat treated, parallel ground washers and high strength nuts**
- **Sold in complete 2 head sets**

-HEAD STUDS-	6-PT. NUTS	12-PT. NUTS
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SMALL BLOCK CHEVY		
OEM 23` Steel & Alum,	80115	80114
Brodix -8,-10,-11 & Track 1, Dart Iron Eagle & Sportsman, Bowtie, Airflow, GM Vortec, Trick Flow, Edelbrock		

-HEAD STUDS-	6-PT. NUTS	12-PT. NUTS
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BIG BLOCK CHEVY		
OEM Steel or Aluminum	80125	80124
Brodix -2, -4, 2x, 3x, Holley	80135	80132
Late Bowtie, Dart Merlin, Dart 360, . . . Dart Pro1, Edelbrock, AFR	80136	80133
Brodix, Pontiac Pro Stock	80137	80134
Dart Big Chief	80138	80131



PREMIUM HEAD STUDS



— PROFESSIONAL QUALITY —

-HEAD STUDS-	12-PT. NUTS	6-PT. NUTS
MERLIN - ALUMINUM BIG BLOCK CHEVY		
Brodix	80142	—
Bowtie, Dart Merlin	80143	—
Brodix, Pontiac Pro Stock	80144	—
Dart Big Chief	80145	—
FORD		
302	80155	
351W	80165	
351W - J302 Aluminum Heads	80166	
351-C - 351M - 400	80175	
351C - Steel Hi Port	80177	
390 - 427 - 428	80185	
429 - 460 and SCJ	80188	
429 - 460 and SVO	80189	
CHRYSLER		
340 - 360 Standard and W2	80235	
340 - 360 with Edelbrock RPM and Victor Heads ..	80236	
383 - 426 - 440 Wedge - factory & Indy head	80225	
332 - 354 - 392 Early Hemi	80215	
426 Factory Hemi - 7/16" Studs and Inside Bolts .	80285	
CADILLAC		
472-500	80291	

SUGGESTED TORQUE SPECIFICATIONS:

Always clean up block threads with a bottom tap (chasing tap) before installing studs. Install head studs with non-hardening thread sealer and use Locite on mains. All nuts are torqued using oil as lubricant. Lightly seat studs into block at 10 ft./lbs (hand tight). Then torque nuts as follows:

- 7/16" @ 65 ft./lbs.
- 1/2" @ 85 ft./lbs.
- 9/16" @ 115 ft./lbs.

OLDS	
330 - 425 - 455	80245
350 (1968-75)	80245
307 - 350 (1976-80)	80247
403 and Diesel (1/2" Studs)	80247
PONTIAC	
389-400-455 (Oval Port) Ram Air II, IV, V, SD, 71-72HO	80275
455-(D Port) Ram Air III & 1970, '73, '74 & '75 HO .	80279
AMC	
343 - 401 (Pre 1970) 7/16" Stud	80195
343 - 401 (1970 and Up) 1/2" Stud	80205
AUSTRALIAN HOLDEN	
253-308 V-8	80305
253-308 V-8 (Oversized 1/2" Studs)	80306
182-202 6 Cylinder	80304

ENGINE STUD - 4 PACKS

Genuine 190,000 PSI premium race quality engine studs are available in these handy 4 packs to replace either lost or damaged studs. These also provide studs for special applications for which there are no kits available. Bulk, unpackaged studs are available in minimum quantities of 50.

- 2 3/4" x 7/16" ... **81250**
- 3" x 7/16" **81251**
- 3 1/4" x 7/16" **81252**
- 3 3/4" x 7/16" ... **81253**
- 4" x 7/16" **81254**
- 4 1/4" x 7/16" **81255**
- 4 1/2" x 7/16" **81256**
- 4 3/4" x 7/16" ... **81257**

- 5" x 7/16" **81258**
- 5 1/4" x 7/16" **81259**
- 6 1/8" x 7/16" **81260**
- 6 1/2" x 7/16" **81261**
- 6.9" x 7/16" **81262**
- 7 1/4" x 7/16" ... **81263**
- 2 3/4" x 1/2" **81270**
- 3" x 1/2" **81271**
- 3 1/4" x 1/2" **81272**
- 3 5/8" x 1/2" **81273**
- 3.8" x 1/2" **81274**
- 4" x 1/2" **81275**
- 4 3/8" x 1/2" **81276**
- 4 5/8" x 1/2" **81277**
- 4 3/4" x 1/2" **81278**
- 5" x 1/2" **81279**
- 5 3/8" x 1/2" **81280**
- 6 1/4" x 1/2" **81281**
- 6 1/2" x 1/2" **81282**
- 7 1/4" x 1/2" **81283**
- 8" x 1/2" **81284**
- 8 1/2" x 1/2" **81285**



PREMIUM MAIN STUDS



— PROFESSIONAL QUALITY —

-MAIN STUDS-	FACTORY 2 BOLT MAIN CAPS	FACTORY 4 BOLT MAIN CAPS	MILODON ANGLE BOLT MAIN CAPS	MILODON STRAIGHT BOLT CAPS
SMALL BLOCK CHEVY				
SB Chevy	81125	81115	81128	81130
SB Chevy with Windage Tray	81126	81117	81129	81131
BIG BLOCK CHEVY				
BB Chevy	81138	81135	81133	81140
BB Chevy with Windage Tray	81139	81137	81134	81141
FORD				
289 - 302	81155	—	—	81155
289 - 302 with Windage Tray	81156	—	—	81156
351W	81165	—	81175	—
351W with Windage Tray	81166	—	81164	—
351C - 351M - 400M	81165	—	81169	—
351C with Windage Tray	81168	—	81170	—
390 - 427 - 428CJ	81175	—	—	—
429 - 460	81188	—	81188	—
429 - 460 with Windage Tray	81189	—	81189	—
CHRYSLER				
318 - 340 - 360	81185	—	81183	—
340 - 360 with Windage Tray	81186	—	81184	—
Mopar Small Block "R3" Race Block	81180	—	—	—
Mopar Small Block "R3" Race Block w / Tray	81181	—	—	—
383 - 440 Wedge	81185	—	—	81183
331 - 354 - 392 Early Hemi	81185	—	81183	—
426 Factory Hemi (Center Studs)	81205	—	—	—
OLDS				
400 - 425 - 455, 350 Diesel	81215	—	—	81175
400 - 425 - 455, 350 with Windage Tray	81217	—	—	—
307 - 350 - 403	81216	—	—	—
307 - 350 - 403 with Windage Tray	81218	—	—	—
PONTIAC				
326 - 389 - 400 - 455	81221	—	—	81222
326 - 389 - 400 - 455 with Windage Tray	81223	—	—	81224
326 - 389 - 400 - 455 (Center Studs)	—	81222	—	81222
326 - 389 - 400 - 455 (Center Studs) with Tray	—	81224	—	81224
AMC				
290 - 304 - 343 - 360 - 390 - 401	81187	—	—	—
CADILLAC				
472-500	81229	—	—	—
AUSTRALIAN HOLDEN				
253-308 V-8	81145	—	81145	—
253-308 V-8 with Windage Tray	81146	—	81146	—
186-202 6 Cylinder	81147	—	—	—