

Engine kits

1

CRANKSHAFT

- Forged or billet, USA milled, premium 4340 chromoly material.
- Choice of Enduro, Standard, LightWeight or Ultra-Light design.
- Available for most applications in your choice of stroke and journal diameter.
- Maximum radii journals provide even load distribution for extended crank, connecting rod and bearing life.
- Crower heat-treat produces unrivaled structural integrity and core strength.
- Nitriding increases surface hardness.
- Exclusive Crower "straight-shot" oiling enhances journal lubrication at every degree of the crankshaft's rotation.
- Lightweight profiling, lightening holes, and center counterweight removal available upon request.
- Minimum "heavy-metal" balancing.
- Precision end-to-end indexing and stroke accuracy guarantees true to blueprint specifications.



2

CONNECTING RODS

- Forged or billet 4340 chromoly or 6AL4V billet titanium. Choose from a variety of beam widths.
- H-11 tool steel cap screw bolts rated at 220,000 p.s.i. For AMS5844 bolts (280,000 p.s.i.), specify "UPG".
- Clover leaf journal pads assure constant, true round tracking and even bearing seating.
- Reinforced pin end eliminates pin bind and pinch.
- Double ribbed cap for non-flex performance.
- Excellent combination of tensile and shear strength properties and unrivaled Crower craftsmanship that cannot be duplicated.



3

PISTONS

- Your choice of brand (JE, Ross, Arias, Wiseco, CP, SRP, etc...).
- Your choice of compression ratio, bore diameter and pin boss location.
- Choice of valve pocket dimension.
- Maximum possible pin boss/pin seat area prevents pin flex and hole elongation.
- Lightweight design for quick acceleration and deceleration.
- Your choice of dome or flat top design.

4

BEARINGS

- Premium quality rod and main bearings.
- Features high strength trimetal copper-lead in the load area for superior embedding.
- Lead overplate provides exceptional fatigue strength and conformability to compensate for distortion and misalignment at high engine rpm.
- High strength steel back.



5

PINS

- Premium H-11 tool steel.
- Precision ground with or without tapered wall cross section.
- Lightweight design.



6

RINGS

- Speed-Pro or Total Seal brand plasma-moly top rings provide proper lubrication.
- Offers maximum assurance against galling and scuffing.
- Gap-less rings available.



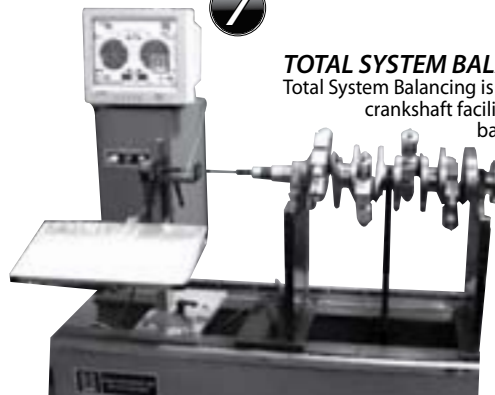
EACH KIT CONSISTS OF:

- Crower crankshaft
- Crower connecting rods
- Choice of pistons
- Rod and main bearings
- Plasma-moly rings
- H-11 wrist pins
- System balanced (extra charge)

7

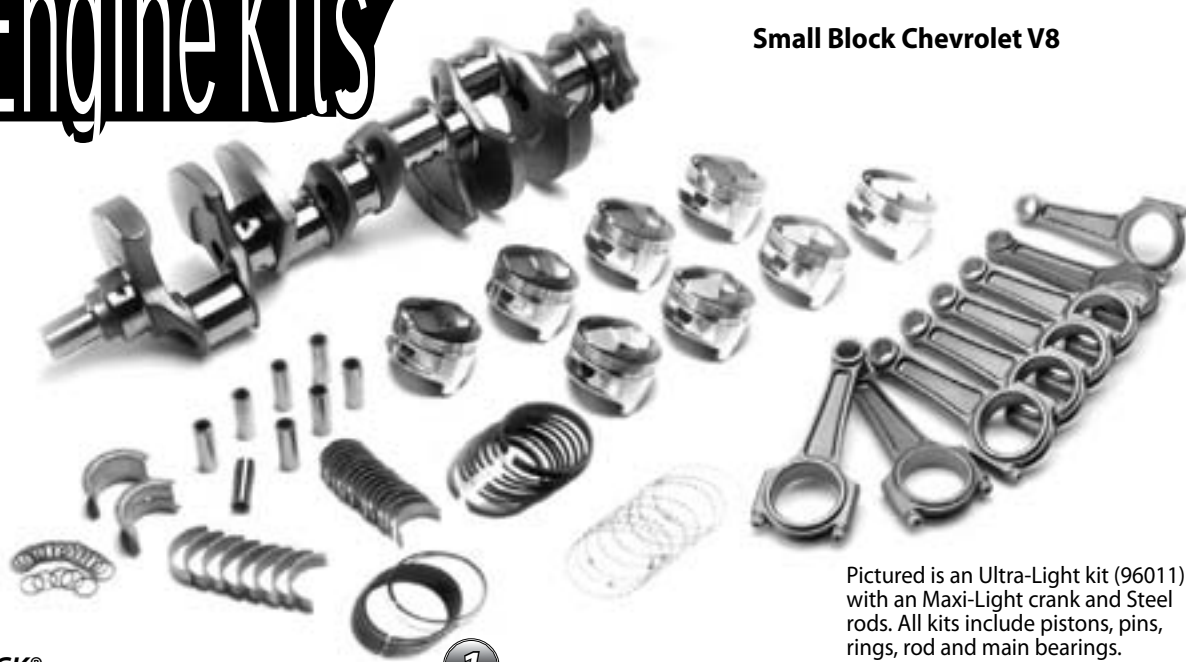
TOTAL SYSTEM BALANCED

Total System Balancing is done in-house at the Crower crankshaft facility. State-of-the-art Hines balancing equipment provides the most accurately matched assembly possible. This service allows for immediate engine assembly, trouble-free of oversights and costly coordination errors. You'll save both time and money, while receiving the finest rotating assembly available on the market. Balancing is an extra charge.



Engine Kits

Small Block Chevrolet V8



Pictured is an Ultra-Light kit (96011) with an Maxi-Light crank and Steel rods. All kits include pistons, pins, rings, rod and main bearings.

PURE-STOCK®

PURE-STOCK CRANK • SPORTSMAN RODS
When the rules call for a "bone stock" crank and rods, this is the kit you need.

1

Part No.	Description
95510	SB Chevy, Pure-Stock Crank w/Sportsman Rods (SP)
95511	SB Chevy, Pure-Stock Crank w/Stroker Sportsman Rods (SSP)

Note: Pure-Stock crank only available in 3.480" stroke. Specify 5.7" or 6.0" rod length.

STOCK-PLUS®

STOCK-PLUS CRANK • SPORTSMAN RODS
Most economical. Lightened stock GM crank, system balanced, perfect for stock restricted applications.

2

Part No.	Description
95500	SB Chevy, Pure-Stock Crank w/Sportsman Rods (SP)
95501	SB Chevy, Pure-Stock Crank w/Stroker Sportsman Rods (SSP)

Note: Stock-Plus crank only available in 3.480" stroke. Specify 5.7" or 6.0" rod length.

ENDURO™

ENDURO CRANK • SPORTSMAN or BILLET RODS
Forged 4340 Enduro crank w/choice of Sportsman or billet rods. Inexpensive, very reliable. Race or street.

3

Part No.	Description
95502	SB Chevy, Enduro Crank w/Sportsman Rods (SP)
95503	SB Chevy, Enduro Crank w/Stroker Sportsman Rods (SSP)
95506	SB Chevy, Enduro Crank w/Billet Rods (B, SB M, LW, UL, ML)

STANDARD

STANDARD CRANK • SPORTSMAN or BILLET RODS
Forged 4340 Standard crank w/choice of Sportsman or billet rods. The original Crower engine kit.

4

Part No.	Description
96000	SB Chevy, Standard Crank w/Sportsman Rods (SP)
96002	SB Chevy, Standard Crank w/Billet Rods (B, SB M, LW, UL, ML)

LIGHTWEIGHT

LIGHTWEIGHT CRANK • SPORTSMAN or BILLET RODS
Forged 4340 LightWeight crank w/choice of Sportsman or billet rods (steel or titanium). Great light weight package.

5

Part No.	Description
96006	SB Chevy, LightWeight Crank w/Sportsman Rods (SP)
96008	SB Chevy, LightWeight Crank w/Billet Rods (B, SB M, LW, UL, ML)
96009	SB Chevy, LightWeight Crank w/Billet Titanium Rods (T, ST)

ULTRA-LIGHT®

ULTRA-LIGHT CRANK • BILLET RODS
Forged 4340 Ultra-Light crank w/choice of billet rods (steel or titanium). Best possible acceleration, low drag.

6

Part No.	Description
96010	SB Chevy, Ultra-Light Crank w/Billet Rods (B, SB M, LW, UL, ML)
96011	SB Chevy, Ultra-Light Crank w/Billet Titanium Rods (T, ST)

Big Block Chevrolet V8



1

ENDURO™

ENDURO CRANK • SPORTSMAN or BILLET RODS
Forged 4340 Enduro crank w/choice of forged or billet rods. Inexpensive, very reliable. Race, street, tow.

2

STANDARD

STANDARD CRANK • FORGED or BILLET RODS
Forged 4340 Standard crank (extra debur) w/choice of forged or billet rods. The original Crower engine kit.

Part No.	Description
95520	BB Chevy, Enduro Crank w/Sportsman Rods (SP)
96101	BB Chevy, Enduro Crank w/Billet Rods (B, SB, M, LW, ML)

Part No.	Description
95521	BB Chevy, Standard Crank w/Sportsman Rods (SP)
96106	BB Chevy, Standard Crank w/Billet Rods (B, SB, M, LW, ML)
96107	BB Chevy, Standard Crank w/Billet Rods (B, SB, M, LW) 4.375" & up
96108	BB Chevy, Standard Crank w/Titanium Rods (T, ST)

3

LIGHTWEIGHT

LIGHTWEIGHT CRANK • BILLET RODS
Forged 4340 LightWeight crank w/choice of billet rods (steel or titanium). Very light, very reliable package.

Part No.	Description
96111	BB Chevy, LightWeight Crank w/Billet Rods (B, SB, M, LW, ML)
96112	BB Chevy, LightWeight Crank w/Billet Rods (B, SB, M, LW) 4.375" & up
96113	BB Chevy, LightWeight Crank w/Titanium Rods (T, ST)

4

ULTRA-LIGHT®

ULTRA-LIGHT CRANK • FORGED or BILLET RODS
Forged 4340 Ultra-Light crank w/choice of forged or billet rods (steel or titanium). Best possible acceleration.

Part No.	Description
96116	BB Chevy, Ultra-Light Crank w/Billet Rods (B, SB, M, LW, ML)
96117	BB Chevy, Ultra-Light Crank w/Billet Rods (B, SB, M, LW) 4.375" & up
96118	BB Chevy, Ultra-Light Crank w/Titanium Rods (T, ST)

Engine Kits

Ford • Mopar • Honda/Acura • Custom

FORD

FORGED or BILLET CRANK • BILLET RODS

Forged or billet 4340 chromoly crank with billet rods.
Forged Sportsman or billet titanium rods also available.

Part No.	Description
96200	Ford 289-302 Crank w/Sportsman Rods (SP) or Billet Rods (B)
96201	Ford 351C or 351W Crank w/Billet Rods (B)
96202	Ford 429-460 Crank w/Billet Rods (B)

Note: Four and six cylinder Ford kits available. See custom applications below.



MOPAR

FORGED or BILLET CRANK • BILLET RODS

Forged or billet 4340 chromoly crank with billet rods.
Ultra-Light crank and titanium rods available.

Part No.	Description
96204	Mopar 426 Hemi or 440 Crank w/Billet Rods (B)

Note: Kits available for any cubic inch displacement. Specify when ordering.

HONDA/ACURA

FORGED or BILLET CRANK • BILLET RODS

Crower offers stroker kits for the B series VTEC engine platform. Turn your 1.6L into a 1.97L or your 1.8L into a 2.1L. Kit includes choice of billet or forged crank, custom billet rods, choice of piston brands (CP, JE, Arias, Ross), premium pins, rings, locks and bearings. You spec stroke (billet crank only), bore and compression. 4340 forged cranks are available in 84.5mm, 89mm, 92mm and 95mm strokes for B series blocks only.



Part No.	Description
96222	Forged Crank w/Custom Rods and Pistons made to specs (B series only)
96221	Billet Crank w/Custom Rods and Pistons made to your specs (All makes)

CUSTOM

BILLET CRANK • BILLET RODS

Create a custom kit for just about any application:

- Mitsubishi 4G63/Evo (102 stroke x 86mm bore = 2.4L)
- Toyota 2JZGTE (94mm stroke x 87mm bore = 3.4L)
- Nissan VQ35 (88mm stroke x 100mm bore = 4.15L)
- Nissan SR20DE (91mm stroke x 91mm bore = 2.35L)
- Honda K20A (92mm stroke x 89mm bore = 2.3L)

Features a custom 4340 steel billet crank and steel billet rod combination, custom CP pistons in your choice of bore and compression, premium pins, rings and locks. Stock samples and 50% deposit are required.

Part No.	Description
96205	Custom Crank w/Custom Rods and Pistons made to your specs