

MITSUBISHI

H-BEAM RODS

Forged SAE 4340 steel from 2 piece forging.
 3/8" ARP 2000 rod bolts, unless otherwise noted.
 Alignment sleeves for precise cap location.
 Sizing performed with Sunnen Krossgrinding system.
 Weight-matched to +/- 1g.
 Recommended for competition use up to 900hp.

CRS H-BEAM

3/8" ARP 2000 bolts

EXTREME DUTY

3/8" ARP 625+ bolts

Additional surface finishing to maximize fatigue life.



ENGINE	LENGTH	WEIGHT	PIN SIZE	NOTES	CRS H-BEAM	EXTREME DUTY
420A	5.472"	139.0mm	535	21mm	CRS5472N3D	CRS5472N3D
early 4G63	5.900"	150.0mm	575	21mm "6 bolt" 89-92	CRS5900MA3D	CRS5900MA3D
late 4G63	5.900"	150.0mm	580	22mm "7 bolt" 93 & newer	CRS5900MB3D	CRS5900MB3D
early 4G63	5.900"	150.0mm	575	22mm for use with newer pistons with 22mm pins	CRS5900MC3D	CRS5900MC3D
4B11T	5.659"	148.7mm	565	23mm Evo X	CRS5659M3D	CRS5659M3D

Crank walk is a hot topic among Mitsubishi enthusiasts. The problem is due to inadequate load area on early 7-bolt (93-97) 4G63 engines. These engines had a "half circle" thrust surface that did not provide adequate load capacity to handle severe thrust loads. Mitsubishi's solution to the problem was to change to a "full circle" thrust washer design which effectively doubled the thrust capacity of the engine. This change was implemented for 1998 and later 4G63 engines.

4340 STEEL CRANKSHAFTS

Forged SAE 4340 steel with non-twist forging and multi-stage heat-treatment. Shot-peened, stress relieved, and nitrided for superior durability. Designed for internal balance without heavy metal. Bobweight guaranteed +/- 2%. .125" radiuses improve strength and rigidity. Chamfered or narrowed bearings required. Recommended for use up to 1000 hp. Approximate weight is 35 pounds.

FORGED



BILLET

NEW!



ENGINE	STROKE	NOTES
4G63	3.465" 88mm	stock stroke
4G63 stroker	3.700" 94mm	use with 1.248" pin height pistons
4G64	3.937" 100mm	4G64 stock stroke
4B11T stroker	3.700" 94mm	use with 1.165" pin height pistons

6 BOLT PART NO.	7 BOLT PART NO.	PART NO.
2034655900A6	2034655900B7	-
2037005900A6	2037005900B7	-
2439375900A6	2039375900B7	-
-	-	34B137015659

4G63 COMPETITION ASSEMBLIES

Forged 4340 steel crankshaft, forged 4340 steel H-Beam rods.
3/8" ARP 2000 capscrew rod bolts (Extreme Duty upgrade available).
Forged pistons and plasma-moly file fit rings and performance bearings.
Standard bore size is 85.0mm.

6-bolt crank (89-92)

STROKE	ROD	PISTON	47cc	85.5	86.0
88mm	5.900"	4032 Mahle -10cc inv. dome	9.0	2021	2045
88mm	5.900"	2618 Mahle -10cc inv. dome	9.0	2021	2045
94mm	5.900"	2618 Mahle -14cc inv. dome	9.0	2159	2184
100mm	5.900"	4032 Mahle -19cc inv. dome	9.0	2297	2324
100mm	5.900"	2618 Mahle -19cc inv. dome	9.0	2297	2324

UNBALANCED	BALANCED
86200	B86200
86201	B86201
86210	B86210
86215	B86215
86216	B86216

7-bolt crank (93 & up)

STROKE	ROD	PISTON	47cc	85.5	86.0
88mm	5.900"	4032 Mahle -10cc inv. dome	9.0	2021	2045
88mm	5.900"	2618 Mahle -10cc inv. dome	9.0	2021	2045
94mm	5.900"	2618 Mahle -14cc inv. dome	9.0	2159	2184
100mm	5.900"	4032 Mahle -19cc inv. dome	9.0	2297	2324
100mm	5.900"	2618 Mahle -19cc inv. dome	9.0	2297	2324

93-97 7-Bolt		98 & up 7-bolt	
UNBALANCED	BALANCED	UNBALANCED	BALANCED
86220	B86220	86140	B86140
86221	B86221	86251	B86251
86230	B86230	86250	B86250
86235	B86235	86225	B86225
86236	B86236	86256	B86256

