

Wilson Engine Shop Build Sheet
Customer: MW5 Arkansas '92 6 bolt

Date: Start: 07/07/2023
Finish: 11/14/2023

Displacement	2.0 L	Stroke :	88mm			Oil Pump :	ACL OPMB1096
Rod Ratio	1.7	Rod Length :	150mm 5.905"				
Rod	MANLEY I BEAM TURBO TUFF	Part # :	14407-4			Block :	1992 4G63 from Arkansas 4G63 MJ1541
Piston	Manley Sport Compact	Part # :	Extreme Duty Turbo Tuff 606205CE-4 10:1 Flat Top				
Wrist Pin material	MANLEY 9310 Tool Steel #42551 22mm .250" wall	Ring Part # :	Manley #46855-01			Rod Bolts - 60 Ft/lbs Main Stud Nuts - 60 Ft/lbs Water Pump - 200 in/lbs OFH - 200 in/lbs Oil Pickup Tube - 200 in/lbs Oil Pan - 200 in/lbs Rear Main Housing cleared for Torque Converter Bolts Main Oil Passage Massage Block Cleared for Kiggly Main Girdle	
Bore size	85.5mm (.020" over)	PTW :	.004"				
Fasteners type	Head stud : ARP 207-4201	Main :	ARP 207-2401	Rod :	ARP 2000		
Crankshaft Brand: Eagle #2034655900A6 4340 Forged Steel 88mm							
Main bearing clearance	#1 .0025"	#2 .002"	#3 .0015"	#4 .002"	#5 .002"	Main Bearing part number : ACL 5M1144H - STD	
Rod bearing clearance	#1 .002"	#2 .00175"	#3 .002"	#4 .002"		Rod Bearing part number : ACL 4B1146HX - STD	
Ring end gap	#1 .024"	#2 .024"	#3 .024"	#4 .024"		Deck Height :	
						Thrust clearance : .002"	
	Middle .028"	.029"	.028"	.028"		Block fill : NONE	
Oil						Rod side clearance :	

Rod Number	.688.5gm	.688.5gm	.688.8gm	.688.3gm
Rod small end weight :	1 199.2	2 199.0	3 199.3	4 199.3
Rod big end weight :	1 490.0	2 490.0	3 490.4	4 490.5
Piston weight :	1 352.0	2 352.0	3 351.9	4 352.0
Pin weight :	1 124.0	2 124.0	3 124.0	4 124.0
Total weight :	1 1166.5gm	2 1166.0gm	3 1166.0gm	4 1166.1gm
Comments : Total weight = Piston, Locks, Pin & Rod				

NOTES:
Kiggly Main Girdle
Oil Galley Mod
BSE
Aisen WPM-012 Water Pump
ACL 3BS8389-STD Balance Shaft
Bearings
EHBP-070 Harmonic Balancer

Boring & Rod Wrist Pin Sizing by Privitt
Machine Shop S. C-Ville OK
Block Decked by D&L Machine Caney KS
Bottom End Balanced by Zach's Engine
& Machine Erie KS