

USA Blocks	Year(s)																	
Features	1932	1933-1934	1935-1936		1937	1938		1939-1940		1941-1942		1943	1944	1945	1946-1948		1949-1953	
Common nomenclature	1932	33-34	35-36	LB	late 21 stud		81A	81A	99	81A	99	?			41A	59	8BA	
Factory cubic inches	221								239	221	239	221 or 239			221	239	239 or 255	
Factory bore	3 1/16 (3.0625) inches								3 3/16"	3 1/16"	3 3/16"	3 1/16" or 3 3/16"			3 1/16"	3 3/16 (3.1875) inches		
Water drain	straight down	angled															none	
Head fasteners	21 stud						24 stud										24 bolt	
Main Bolts into Valve Chamber?	yes		no															
Cam Bearings ?	no		yes															
Crankcase vent ?	no		yes															
Water pump location	head mounted pumps				block mounted pumps													
Main bearing type	poured Babbitt			replaceable insert														
Main bearing diameter	2.000 inches			2.400 inches				2.500 inches										
Crankshaft snout	short							long										
“Raised” intake ?	no								yes		?			no				
Curved between exhaust ports ?	no								yes									
Core plugs in oil pan rails ?	yes								no									
Passes “pencil test” ?	yes										?			yes	no			
Cast on bell housing ?	yes															no		
Center water hole	keystone							round	keystone	round	?			round				
Bottom center water hole	keystone										?			round				