

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													yes, updated	
Water pump location	head mounted pumps					block mounted pumps												
Main bearing type	poured Babbitt				replaceable insert													
Main bearing diameter	1.999 inches				2.399 inches				2.499 inches									
Crankshaft snout	Short (24.47 crankshaft overall length)								Long (26.03 crankshaft overall length)									
"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				

*41A blocks were not factory installed in production vehicles. These are service replacement blocks only sold after WW2 for use in repairing pre-war vehicles.