

AMA Specifications—Passenger Car

MAKE OF CAR	Pontiac		MODEL YEAR	1967	DATE ISSUED	12-23-66	REVISED (a)
MODEL	FIREBIRD	FIREBIRD SPRINT	FIREBIRD 326	FIREBIRD H. O.	FIREBIRD 400		

ENGINE—GENERAL

Type, no. cyls., valve arr.	Line, 6, Overhead Cam		90°V, 8, In-Head				
Bore and stroke (nominal)	3.8750	3.245	3.7187	3.746	4.1200	3.746	
	3.8774 x	3.255	3.7211 x	3.754	4.1224 x	3.754	
Piston displacement, cu. in.	230		326		400		
Bore spacing (C/L to C/L)	4.4		4.62				
No. system (front to rear)	L. Bank	1-2-3-4-5-6 (In-Line)		1-3-5-7			
	R. Bank	---		2-4-6-8			
Firing order	1-5-3-6-2-4		1-8-4-3-6-5-7-2				
Compress. ratio (nominal)	9.0:1	10.5:1	9.2:1	10.5:1	10.75:1		
Cylinder Head Material	Alloy Cast Iron						
Cylinder Block Material	Alloy Cast Iron						
Cylinder Sleeve-Wet, dry, none	None						
Number of mounting points	Front	2					
	Rear	1					
Engine installation angle	30° 35'						
Taxable horsepower	Dia ² xNo.Cyl. 2.5		36.0	44.3	54.3		
Publishing max. bhp* @ eng. RPM	165 @	215 @	250 @	285 @	325 @		
	4700	5200	4600	5000	4800		
Publishing max. torque* (lb. ft. @ RPM)	216 @	240 @	333 @	359 @	410 @		
	2600	3800	2800	3200	3400		
Recommended fuel regular - premium	Regular	Premium	Regular	Premium	Premium		
Idle speed (spec. neutral or drive)	Manual	600 (In Neutral) (b)				700 (In Neutral)	
	Automatic	500 (In Drive) (b)				600 (In Drive)	

ENGINE—PISTONS

Material	Aluminum Alloy						
Description and finish	Cam Ground Slipper Type - Tin Plated						
Weight (piston only) oz.	20.515 - 20.702		17.935 - 18.122		22.100 - 22.305		
Clearance (limits)	Top land	.0250 - .0303		.0248 - .0301		.0177 - .0230	
	Skirt	Top	.0022 - .0028 (a)		.0022 - .0028 (a)		.0025 - .0031 (a)
		Bottom	.0017 - .0033		.0017 - .0033		.0017 - .0033
Ring groove depth	No. 1 ring	3.427 - 3.437		3.260 - 3.270		3.667 - 3.677	
	No. 2 ring	3.427 - 3.437		3.260 - 3.270		3.667 - 3.677	
	No. 3 ring	3.446 - 3.456		3.295 - 3.305		3.670 - 3.680	
	No. 4 ring	None					

* Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

(a) Pistons selected for clearance at 1.110 below top of piston.

(b) 100 RPM Higher setting required on exhaust emission control cars.