

AMA Specifications—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1967 DATE ISSUED 12-23-66 REVISED ⁽⁹⁾

MODEL	FIREBIRD	FIREBIRD SPRINT	FIREBIRD 326	FIREBIRD H. O.	FIREBIRD 400
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ENGINE—EXHAUST EMISSION CONTROL

6 Cylinder Engines

V-8 Engines

Type (Air Injection, engine modifications, other)		Air Injection					
Air Injection Pump	Type	Vane					
	Displacement	19.3 cu. in.					
	Drive ratio	.95:1		1.20:1 (a)			
	Drive type	Belt					
	Relief valve (type)	Spring Loaded Disc					
	Filter (describe)	Carburetor Air Cleaner					
Air Injection System	Air distribution (hood, manifold, etc.)	Air Manifold		Cylinder Heads			
	Point of entry	Exhaust Ports					
	Injection tube I.D.	.256		None - .25 Dia. Drilled Hole			
	Check valve type	Viton Disc					
	Backfire protection (type)	Vacuum Controlled Air Diverter Valve					
Carburetor	Make	Rochester		Rochester & Carter			
	Model	Special					
	Barrel size	No Change from Standard					
	Idle speed	Drive	600 RPM with Automatic Transmission				
	Neutral	700 RPM with Manual Transmission					
Distributor	Aux. Adv. Systems (type)	Deceleration Spark Advance Valve on V-8 With Manual Transmission Only					
	Make	Delco-Remy					
	Model	1110391 (b)	1110398 (c)	1111199 (d)	1111238 (e)	1111252 (f)	
	Cent'gal adv. in crank degrees @ eng. rpm	Start (rpm)	900	800	800	800	800
		Intermed. points deg. @ rpm	6-10 @ 1000 21-25 @ 2100 26-30 @ 4800	7-11 @ 1500 18-22 @ 4300	23-27 @ 1900 32-36 @ 4600	19-32 @ 1950 28-32 @ 4800	21-25 @ 2000 26-30 @ 4600
		Max. deg. @ rpm	26-30 @ 6000	18-22 @ 6000	32-36 @ 6000	28-32 @ 6000	26-30 @ 6000
		Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg) Intermed. points deg. @ in. Hg Max. deg. @ in.	Vacuum advance is same as corresponding engine distributor used on car without exhaust emission control system except that double acting vacuum diaphragm provides 5° spark retard on 6 cyl. 1-bbl. carb. engine, and 10° retard on all others, with closed throttle. (g)			
Vacuum Source	Spark Ports in Carburetor						
Timing - Crank degrees @ rpm	0° (TDC) *	5° BTC *	6° BTC *				
Timing System (describe changes)	Non-air conditioned cars: No change except higher performance fan and fan shroud added with V-8 engine options. Air conditioned cars: V-8 engine option and all Firebird 400 models have fan drive ratio increased to 1.25:1.						
Exhaust System (describe changes)	Same as Standard						

-) 1.44:1 with air conditioning.
-) 230 cu. in. 1-bbl. manual and automatic transmission.
-) 230 cu. in. 4-bbl. manual and automatic transmission.
-) 326 cu. in. 2-bbl. manual and automatic transmission.
-) 326 cu. in. 4-bbl. manual and automatic transmission.
-) 400 cu. in. 4-bbl manual transmission engines - automatic transmission same as standard.
-) Firebird 400 4-bbl. automatic transmission engine distributors same as standard.

At hot idle - all hoses disconnected.

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