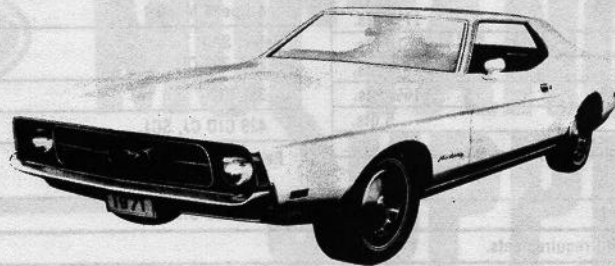


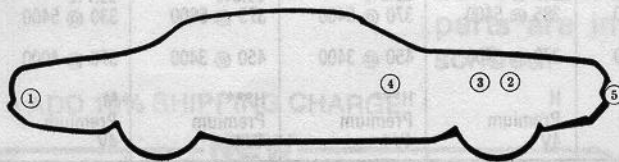
# 1971 MUSTANG



## MODELS

- HARDTOP • GRANDE • BOSS 351
- SPORTSROOF • CONVERTIBLE • MACH I FASTBACK

## SERVICE LOCATIONS



- ① GAS FILLER CAP—Rear—Center of Back Panel
- ② OIL FILLER CAP—6 cylinder: Rear of Rocker Arm Cover  
8 cylinder: Front of Left Rocker Arm Cover (Except 351 4V HO CID, Right Rear)
- ③ PCV VALVE—Located in Rocker Covers: Front 250 CID  
Left Front: 302, 351C 2V, 351C 4V CID; Right Rear: 302 Boss, 429 4V CJ, 429 4V SCJ CID & 351 4V HO CID
- ④ FUSE PANEL—Located on Plate Attached to Lower Right Hand Flange Brake Pedal Support
- ⑤ HOOD LATCH—Upper Center of Grille  
To Open: Pull Lever to Left and Hold—Raise Hood

## LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Trade Number
Headlights Hi-Lo Beam	40 & 50W	6012
Front Park/Turn Signal	3-32 c.p.	1157
Side Marker/Front, Rear	2 c.p.	194A
Rear Tail/Stop/Turn Signal	3-32 c.p.	1157
Back-up Lamp	32 c.p.	1156
License Plate	4 c.p.	97
Dome Lamp	12 c.p.	105
Emergency Flashers (included in Front/Rear Turn Signals)		
<b>Instrument Panel</b>		
Hi-Beam Indicator	2 c.p.	194
Turn Signal Indicator	2 c.p.	194
Warning Lights	2 c.p.	194
Fuel and Speedometer	2 c.p.	194
Glove Compartment	2 c.p.	1895
Deluxe Seat Belt	2 c.p.	1891
Heater (or Optional A/C) Controls	2 c.p.	1895
Clock	2 c.p.	194
Courtesy Lamp	6 c.p.	631
<b>Accessory Equipment</b>		
Fog Lamps—Clear	35W	4415
Fog Lamp Switch	1 c.p.	53X
Spotlight	30W	4405
Radio Pilot Light/AM/AM-FM/AM Stereo	1.9 c.p.	1893
Luggage Compartment	6 c.p.	631
Engine Compartment Lamp	6 c.p.	631
Parking Brake Warning	2 c.p.	256
Map Lamp	6 c.p.	212
Portable Trunk Lamp	15 c.p.	1003
AM/FM Radio Stereo Jewel	1.3 c.p.	1892
A—Amber Color Bulb		

## CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlights	Integral with Light Switch	12	C.B.
Tail Lights, Parking Lights, PRND21 Lamp, Front/Rear Side Markers, License Light	Integral with Light Switch	15	C.B.
Courtesy Lamps: Dome, Map, Instrument Panel, Door Lamps, "C" Pillar; Cigar Lighter Feed, Ignition Key Warning Buzzer, Automatic Seat Back Latch, Luggage & Glove Compartment	Fuse Panel	14	SFE
Engine Compartment Lamp	Cartridge in Feed Line	7.5	SFE
Emergency Flasher, Horns	Fuse Panel	20	AGC or SFE
Warning Lamps, Dual Brake, Distributor Vacuum Emission Control, Parking Brake, Seat Belt Warning	Fuse Panel	14	SFE
Back-up Lights, Windshield Washer and Radio, Turn Signals	Fuse Panel	15	SFE
Stop Lamps	Relay Panel above Glove Box	15	C.B.
Heater & Defroster	Fuse Panel	14	SFE
Air Conditioning (RPO)	Fuse Panel	30	SFE
Air Conditioning (Dealer Inst.)	Fuse Panel	30	SFE
Front Seat Back Latch Solenoid	Integral with Solenoid	—	C.B.
Windshield Wiper	Integral with Wiper Switch	7	C.B.
Power Window, Convertible Top, Heated Backlight	On Starter Relay	20	C.B.
Motors: Power Window, Convertible Top	Integral with Motor	—	C.B.
Instrument Panel Illumination, Heater Switch, Headlight Switch, W/S Wiper/Washer Switch, Ashtray, Radio and Gauge Illumination	Fuse Panel	4	AGA
*C.B. Circuit Breaker			

## MUSTANG

## APPROXIMATE REFILL CAPACITIES (U.S. Measure)

Fuel Tank All Models	20 gal.	Transmission 3-Speed Manual	3½ pts.
Cooling System (Includes 1 qt. for heater) 250 CID	11¼ qts.	4-Speed Manual	4 pts.
302 CID and 302 BOSS	15 qts.	Select Shift 250, 302 CID	9 qts.*
351 CID (with A/C)	16¼ qts.	351 CID	11 qts.*
351 CID (without A/C)	16¼ qts.	429 CID CJ, SCJ	13 qts.*
302, 351 CID	5 qts.	Rear Axle 250, 302 CID	4 pts.
429 CID CJ, SCJ	19½ qts.	351, 429 CID	5 pts.
Engine Crankcase (Includes 1 qt. for filter) 250 CID	4½ qts.		
429 CID CJ/SCJ/Police (add 1 qt. for Oil Cooler)	7 qts.		

\*Dry System: Dipstick used to determine exact fill requirements.

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## ENGINE SPECIFICATIONS

Displacement & Cylinders	250-6	302-V8	351C-V8	351C-V8	429-V8*	429-V8**	351-4V HO V8
Type	In Line	90°V OHV	90°V OHV	90°V OHV	90°V OHV	90°V OHV	90°V OHV
Bore (Inches)	3.682	4.002	4.002	4.002	4.362	4.362	4.002
Bore and Stroke (Inches)	3.910	3.00	3.50	3.50	3.590	3.590	3.50
Compression Ratio	9.0:1	9.0:1	9.0:1	10.7:1	11.3:1	11.3:1	11.7:1
Brake Horsepower @ Specified rpm	145 @ 4000	210 @ 4600	240 @ 4600	285 @ 5400	370 @ 5400	375 @ 5600	330 @ 5400
Maximum Torque (lb.-ft.) @ Specified rpm	232 @ 1600	296 @ 2600	350 @ 2600	370 @ 3400	450 @ 3400	450 @ 3400	370 @ 4000
Valve Lifters H—Hydraulic M—Mechanical	H	H	H	H	H***	H***	M
Fuel	Regular	Regular	Regular	Premium	Premium	Premium	Premium
Carburetor	1V	2V	2V	4V	4V†	4V†	4V

\*Cobra Jet (CJ) \*\*Super Cobra Jet (SCJ). \*\*\*Mechanical with Drag-Pack Option.

†Manual Choke Holley with 780 cfm with Drag-Pack Option.

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## ENGINE PERFORMANCE SPECIFICATIONS

Displacement & Carburetor	250-1V	302-2V	351C-2V	351C-4V	429-4V*	429-4V**	351-4V HO V8
Firing Order	1-5-3-6-2-4	1-5-4-2-6-3-7-8	1-3-7-2-6-5-4-8	1-3-7-2-6-5-4-8	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8	1-3-7-2-6-5-4-8
Spark Plug Type (Autolite No.) and Size	BRF-82 (18mm)	BRF-42 (18mm)	ARF-42 (14mm)	ARF-42 (14mm)	ARF-32 (14mm)	ARF-32 (14mm)	—
Spark Plug Gap (Inches)	.032-.036	.032-.036	.032-.036	.032-.036	.032-.036	.032-.036	—
Distributor—Service Tip ①							
Point Gap (Inches)	.025	Service Tip ①	Service Tip ①	Service Tip ①	.020"	.020"	—
Point Dwell (Degrees)	37-42	Service Tip ①	Service Tip ①	Service Tip ①	24-29	24-29	—
Distributor Diaphragm Type	—	Service Tip ①	Service Tip ①	Service Tip ①	—	—	—
Idle rpm—Service Tip ①							
Manual Transmission (Without Throttle Solenoid)	—	—	—	—	700	700	—
(With Throttle Solenoid)***	750-500	800-500	700-500	800-500	—	—	—
Automatic Transmission (Without Throttle Solenoid)	550	575	—	600	650-500	650-500	—
(With Throttle Solenoid)***	600-500	600-500	650-500	—	—	—	—
Ignition Timing (BTDC)— Service Tip ② ③	6°	6°	6°	6°	10°	10°	—

\*Cobra Jet (CJ). \*\*Super Cobra Jet (SCJ). \*\*\*Higher Idle Speed with Solenoid Energized—Lower Idle Speed with Solenoid De-energized.

## MUSTANG

## SERVICE TIPS

① Adjust all idle speeds with headlights "ON", automatic transmission in "DRIVE" or manual transmission in "NEUTRAL" and if air conditioner equipped, place A/C controls in "OFF" position. Adjust HIGH IDLE SPEED with throttle solenoid operating by using the solenoid adjustment. Adjust the LOW IDLE SPEED using the carburetor idle speed screw with wire disconnected from throttle solenoid.

② The distributor DIAPHRAGM HOSE or HOSES must be disconnected and plugged.

③ If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "Normal" setting to eliminate detonation.

If retarding is necessary, it should be done progressively and not exceed 2 degrees B.T.D.C.

④ Dual Diaphragm distributors: \*24-29 degrees dwell angle  
.021 inches point gap

Single Diaphragm distributors: \*26-31 degrees dwell angle  
.017 inches point gap

\*Use either specification when installing NEW POINTS. Use DWELL ANGLE specification when adjusting points having MORE than ONE HOUR usage.

⑤ Distributor Rotor Rotation: 6 cyl. Clockwise; 8 cyl. Counter-clockwise.