

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1994

Manufacturer FORD MOTOR COMPANY	Vehicle Line FORD MUSTANG	
Mailing Address P.O. BOX 2053 DEARBORN, MICHIGAN 48121	Issued MAY 14, 1993	Revised OCTOBER 1, 1993

Direct questions concerning these specifications to the manufacturer listed above.

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Motor Vehicle Manufacturers Association
of the United States, Inc.
Forms Provided by Technical Affairs Division

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1994 Issued 5/14/93 Revised (+) 10/1/93

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	Ford Motor Company
Where built (country)	U.S.A.
Authorized U.S. sales marketing representative	Ford Division, Ford Motor Company

Vehicle Models

	Model Description & Drive (FWD/RWD/AWD/4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
	REAR WHEEL DRIVE (RWD)					
(+)	MUSTANG MODEL	12/9/93				
(+)	2-Door Coupe		63 (BJ)	2/2	45.4 (100)	20/30
(+)	2-Door Convertible		76 (BH)	2/2	45.4 (100)	20/30
(+)	MUSTANG GT MODEL	12/9/93				
(+)	2-Door Coupe		63 (BJ)	2/2	45.4 (100)	17/25
(+)	2-Door Convertible		76 (BH)	2/2	45.4 (100)	17/25
(+)	MUSTANG COBRA MODEL					
(+)	2-Door Coupe		63 (BJ)	2/2	45.4 (100)	
(+)	2-Door Convertible		76 (BH)	2/2	45.4 (100)	

* FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

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Issued 5/14/93

Revised (•) 10/1/93

METRIC (U.S. Customary)

Power Teams

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77°F/25°C and 29.61 in. Hg/100 kPa atmospheric pressure.

		A	B	C	D	
ENGINE	Engine Code	994	994	99T	99T	
	Displacement Liters (in ³)	3.8 (232)	3.8 (232)	5.0 (302) HO+	5.0 (302) HO+	
	Induction System (FI, Carb. etc.)	Sequential Electronic Port Fuel Injection	Sequential Electronic Port Fuel Injection	Sequential Electronic Port Fuel Injection	Sequential Electronic Port Fuel Injection	
	Compression Ratio	9.0:1	9.0:1	9.0:1	9.0:1	
	SAE Net at RPM	Power kW (bhp)	108 (145) @ 4000	108 (145) @ 4000	160 (215) @ 4200	160 (215) @ 4200
		Torque N·m (lb. ft.)	292 (215) @ 2500	292 (215) @ 2500	386 (285) @ 3400	386 (285) @ 3400
Exhaust single, dual		Single	Single	Dual	Dual	
TRANS	Transmission/ Transaxle	5-Spd. Man. T5OD Transmission	4-Spd. Auto. AODE Transmission	5-Spd. Man. T5OD Transmission	4-Spd. Auto. AODE Transmission	
	Effective Final Drive/ Axle Ratio (std. first)	2.73	2.73	2.73T, 3.08T	2.73T, 3.27T	

T50D — 5-Speed Manual Overdrive

AODE — 4-Speed Electronic Automatic Overdrive

T — Traction-Lok Included

[illegible]

(•) (1) See Page 2A for Specifications

MVMA Specifications

Vehicle Line	MUSTANG		
Model Year	1994	Issued	10/1/93
			Revised (*)

METRIC (U.S. Customary)

Power Teams

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77°F/25°C and 29.61 in. Hg/100 kPa atmospheric pressure.

		E			
E N G I N E	Engine Code	VY			
	Displacement Liters (in ³)	5.0 (302) SHP			
	Induction System (FI, Carb. etc.)	Sequential Electronic Port Fuel Injection			
	Compression Ratio	9.0:1			
	SAE Net at RPM	Power kW (bhp)			
		Torque N·m (lb. ft.)			
Exhaust single, dual	Dual				
T R A N S	Transmission/ Transaxle	5-Spd. Man. T5OD Transmission			
	Effective Final Drive/ Axle Ratio (std. first)	3.08			

T50D — 5-Speed Manual Overdrive

(For Power Team E Availability See Page 2)

[illegible]

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1994 Issued 5/14/93 Revised (*) 7/30/93

METRIC (U.S. Customary)

Engine Description
Engine Code

3.8L

ENGINE - GENERAL

(See Page 3A for 5.0L)

Type and description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	90° Front, Longitudinal, (OHV) Overhead Valve Engine with Modified Wedge Combustion Chambers	
Manufacturer	Ford Motor Company	
No. of cylinders	Six	
Bore	96.8 (3.8)	
Stroke	86.0 (3.4)	
Bore spacing (C/L to C/L)	106.5	
Cylinder block material & mass kg (lbs.) (machined)	Cast Iron & 54.5 (120)	
Cylinder block deck height	234.5 (9.2)	
Cylinder block length	411 (16.2)	
Deck clearance (minimum) (above or below block)	0.25 (0.01) Above	
Cylinder head material & mass kg (lbs.)	Aluminum and 7.2 (15.9)	
Cylinder head volume cm ³ (inches ³)	61.2 (3.7)	
Cylinder liner material	N / A	
Head gasket thickness (compressed)	1.04-1.19 (0.041-0.047)	
Minimum combustion chamber total volume cm ³ (inches ³)	73.2 (4.5)	
Cyl. no. system (front to rear)*	L. Bank	4, 5, 6
	R. Bank	1, 2, 3
Firing order	1, 4, 2, 5, 3, 6	
Intake manifold material & mass kg (lbs.)**	Aluminum 6.4 (14.0) Upper, 4.9 (10.8) Lower	
(*) Exhaust manifold material & mass kg (lbs.)**	Tubular Stainless - 439 & 2.2 (4.85) - RH, 2.3 (5.07) - LH	
Knock sensor (number & location)	None	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) + 2	87 Minimum Octane	
(*) Engine mounts	Quantity	Three
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric Clamshell
	Added isolation (sub-frame, crossmember, etc.)	None
Total dressed engine mass (wt) dry ***		

Engine - Pistons

(*) Material & mass, g (weight, oz.) - piston only	Aluminum Alloy ESE-M2A137-A & 445 (15.7)
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Engine - Camshaft

Location		In Block
Material & mass kg (weight, lbs.)		SAE 1050/1053 Steel Bar Stock and 3.76 (8.3)
Drive type	Chain/belt	Chain (Silent)
	Width/pitch	19.99-18.72 (0.787-0.737)/9.525 (0.375)

* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

** Finished state.

*** Dressed engine mass (weight) includes the following: Front End Dress, All Engine Mounted Components and Flex Plate; Excludes Starter and Alternator

MVMA Specifications

Vehicle Line MUSTANG
Model Year 1994 Issued 5/14/93 Revised (+) 10/1/93

METRIC (U.S. Customary)

Engine Description
Engine Code

5.0L

ENGINE – GENERAL

Type and description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		90°V, Front, Longitudinal, (OHV) Overhead Valve, Modified Wedge Combustion Chambers
Manufacturer		Ford Motor Company
No. of cylinders		Eight
Bore		101.6 (4.00)
Stroke		76.2 (3.00)
Bore spacing (C/L to C/L)		111.3 (4.38)
Cylinder block material & mass kg (lbs.) (machined)		Cast Iron
Cylinder block deck height		208.4 (8.21)
Cylinder block length		529.3 (20.84)
Deck clearance (minimum) (above or below block)		.343 (.0135) Above
Cylinder head material & mass kg (lbs.)		Cast Iron and 20.9 (46.0)
Cylinder head volume cm ³ (inches ³)		60.6-63.6
Cylinder liner material		N / A
Head gasket thickness (compressed)		1.19 (0.047)
Minimum combustion chamber total volume cm ³ (inches ³)		71.8
Cyl. no. system (front to rear)*	L. Bank	5, 6, 7, 8
	R. Bank	1, 2, 3, 4
Firing order		1, 3, 7, 2, 6, 5, 4, 8
Intake manifold material & mass kg (lbs.)**		Aluminum and 17.6 (39.5)
Exhaust manifold material & mass kg (lbs.)**		Stainless Steel Headers and 6.4 (14.2)
Knock sensor (number & location)		No
Fuel required unleaded, diesel, etc.		Unleaded
(*) Fuel antiknock index (R + M) ÷ 2		87 Minimum Octane (Premium Recommended for Cobra)
Engine mounts	Quantity	Three
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric Clamshell
	Added isolation (sub-frame, crossmember, etc.)	None
Total dressed engine mass (wt) dry ***		226 (498)

Engine – Pistons

Material & mass, g (weight, oz.) - piston only	Cast Aluminum Alloy, 565 (19.89)
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Engine – Camshaft

Location	In Block
Material & mass kg (weight, lbs.)	SAE 1050 or 1053 Steel, Induction Hardened and 4.54 (10)
Drive type	Chain/belt
	Width/pitch
	Chain, Silent – Inverted Tooth
	15.9 (0.625)/9.5 (0.375)

* Rear of engine – drive takeoff. View from drive takeoff end to determine left & right side of engine

** Finished state.

*** Dressed engine mass (weight) includes the following: Front End Dress, All Engine Mounted Components and Flex Plate; Excludes Starter and Alternator

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Engine Description
Engine Code

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Engine – Valve System

Hydraulic lifters (std., opt., n.a.) Standard with Roller Tappets

Valves	Number intake/exhaust	6/6
	Head O.D. intake/exhaust	45 (1.77)/37 (1.46)

Engine – Connecting Rods

Material & mass kg., (weight, lbs.)* Forged Steel (SAE-1151-M) 0.666-0.676 (1.46-1.49)

Length (axes C/L to C/L) 150.2 (5.9)

Engine – Crankshaft

Material & mass kg., (weight, lbs.)* Nodular Cast Iron and 14.06 (31)

End thrust taken by bearing (no.) #3

Length & number of main bearings 4

Seal (material, one, two piece design, etc.)	Front	Flourocarbon, One Piece
	Rear	Flourocarbon, Dual Lip

Engine – Lubrication System

Normal oil pressure kPa (psi) at engine rpm 276-414 (40-60) @ 2000 RPM

Type oil intake (floating, stationary) Stationary Shrouded Screen in Sump

Oil filter system (full flow, part, other) Full Flow

Capacity of c/case, less filter-refill-L (qt.) 4.5 (4.5) Plus 0.5 (0.5) for Filter

Engine – Diesel Information

(NOT OFFERED)

Diesel engine manufacturer

Glow plug, current drain at 0°F

Injector nozzle	Type	
	Opening pressure kPa (psi)	

Pre-chamber design

Fuel injection pump	Manufacturer	
	Type	

Fuel injection pump drive (belt, chain, gear)

Supplementary vacuum source (type)

Fuel heater (yes/no)

Water separator, description (std., opt.)

Turbo manufacturer

Oil cooler-type (oil to engine coolant; oil to ambient air)

Oil filter

Engine – Intake System

(NOT OFFERED)

Turbo charger - manufacturer

Super charger - manufacturer

Intercooler

* Finished state.

MVMA Specifications

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METRIC (U.S. Customary)

Engine Description
 Engine Code

5.0L w/GT

5.0L w/COBRA

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	Standard with Roller Tappets	
Valves	Number intake/exhaust	8/8
	Head O.D. intake/exhaust	45 (1.78)/37 (1.45) 47 (1.84)/39 (1.54)

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged Steel, 0.56 (1.23)
Length (axes C/L to C/L)	129.3 (5.09)

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*		Nodular Cast Iron, 17.3 (38.2)
End thrust taken by bearing (no.)		#3
Length & number of main bearings		5
Seal (material, one, two piece design, etc.)	Front	Silicon, One Piece
	Rear	Viton, One Piece

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	276-414 (40-60) @ 2000 RPM
Type oil intake (floating, stationary)	Stationary Shrouded Screen in Sump
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4.0) Plus 0.9 (1.0) for Filter

Engine - Diesel Information

(NOT OFFERED)

Diesel engine manufacturer		
Glow plug, current drain at 0°F		
Injector nozzle	Type	
	Opening pressure kPa (psi)	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Fuel injection pump drive (belt, chain, gear)		
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator, description (std., opt.)		
Turbo manufacturer		
Oil cooler-type (oil to engine coolant; oil to ambient air)		
Oil filter		

Engine - Intake System

(NOT OFFERED)

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

* Finished state.

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Engine Description
Engine Code

3.8L

Engine - Cooling System

(See Page 5A for 5.0L)

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Radiator Coolant Fill; Bottle Coolant Add
Radiator cap relief valve pressure kPa (psi)		97-127 (14-18), Mean 110 (16)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	91.7° (197°)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	10
	Number of pumps	One
	Drive (V-belt, other)	Six Rib Poly V
	Bearing type	Double Row, Sealed, Ball and Roller
	Impeller material	Low Carbon Steel
	Housing material	Die Cast Aluminum
By-pass recirculation type (inter., ext.)		External
(*) Cooling system capacity	With heater - L(qt.)	11.9 (12.6)
	With air conditioner - L(qt.)	11.9 (12.6)
	Opt. equipment specify - L(qt.)	N / A
Water jackets full length of cyl. (yes, no)		No
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		No
Radiator core	Std., A/C, HD	Standard
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	Tube and Slit Fin, Vacuum Brazed Aluminum with Nylon End Tanks
	Material, mass kg (wt., lbs.)	Vacuum Brazed Aluminum, 8.48 (18.7) w/ MT, 9.13 (20.1) w/ AT
	Width	609.5 (24.0)
	Height	378 (14.9)
	Thickness	25.9 (1.0)
Radiator end tank material	Std., elec., opt.	Electric Driven
	Number of blades & type (flex, solid, material)	Nine Blade Nylon Ring
Fan	Number & location (front, rear of radiator)	Rear of Radiator
	Diameter & projected width	392.0 (15.5) and 17.5 (0.69)
	Ratio (fan to crankshaft rev.)	N / A
	Fan cutout type	N / A
	Drive type (direct, remote)	N / A
	RPM at idle (elec.)	1750
	Motor rating (wattage/elec.)	170
	Motor switch (type & location/elec.)	Electrical — EEC Control
	Switch point (temp./pressure/elec.)	Electrical — EEC Control, 102°C (216°F)
Fan shroud (material)		Glass Filled Heat Stabilized Nylon

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Engine Description
Engine Code

5.0L

Engine - Cooling System

(See Page 5 for 3.8L)

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Radiator
Radiator cap relief valve pressure kPa (psi)		97-124 (14-18)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	89-92 (192-197)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	10
	Number of pumps	One
	Drive (V-belt, other)	Poly V-Belt
	Bearing type	Double Row, Sealed Ball/Roller
	Impeller material	Low Carbon Steel
	Housing material	Aluminum
By-pass recirculation type (inter., ext.)		External
(*) Cooling system capacity	With heater - L (qt.)	13.2 (13.96)
	With air conditioner - L (qt.)	13.2 (13.96)
	Opt. equipment specify - L (qt.)	N / A
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		No
Radiator core	Std., A/C, HD	Standard
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	Tube and Center, Vacuum Brazed Aluminum with Nylon End Tanks
	Material, mass kg (wgt., lbs.)	Vacuum Brazed Aluminum 4.5 (9.5)
	Width	609.5 (24.0)
	Height	378 (14.9)
	Thickness	25.9 (1.0)
	Fins per inch	70 (FPDM)
Radiator end tank material		33% Glass Filled Nylon Ring
Fan	Std., elec., opt.	Electric
	Number of blades & type (flex, solid, material)	Nine Blade Nylon Ring
	Number & location (front, rear of radiator)	Rear of Radiator
	Diameter & projected width	392 (15.5) & 17.5 (0.69)
	Ratio (fan to crankshaft rev.)	N / A
	Fan cutout type	N / A
	Drive type (direct, remote)	N / A
	RPM at idle (elec.)	Low Speed 1750; High Speed 2200
	Motor rating (wattage/elec.)	N / A
	Motor switch (type & location/elec.)	Electrical — EEC Control
	Switch point (temp./pressure/elec.)	Electrical — EEC Control 102°C (216°)
	Fan shroud (material)	Glass Filled Heat Stabilized Nylon

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line MUSTANG
 Model Year 1994 Issued 5/14/93 Revised (*) _____

• Description
 • Code

3.8L

5.0L

Engine – Fuel System (See supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.		Sequential Electronic Port Fuel Injection System	Sequential Electronic Port Fuel Injection System
Manufacturer		Ford Motor Company	
Carburetor no. of barrels		N / A	
Idle A/F mix.		14.6:1 Closed Loop	
Fuel Injection	Point of injection (no.)	Intake Ports (6)	Intake Ports (8)
	Constant, pulse, flow	Timed Pulse	
	Control (electronic, mech.)	Electronic	
	System pressure kPa (psi)	270 (39.5)	206.9-275.8 (30-40)
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	720 (Neutral)	675 (Neutral) Non-Adj.
	Automatic	700 (Neutral); 750 (Neutral) w/ AC On	625 (Neutral) Non-Adj.
		650 (Drive); 700 (Drive) w/ AC On	
Intake manifold heat control (exhaust or water thermostatic or fixed)		None	
Air cleaner type		Conical, Wetted Media, Replacable Element	
Fuel filter (type/location)		FG-800, Below Vehicle Near Fuel Tank	
Fuel Pump	Type (elec. or mech.)	Electric	
	Location (eng., tank)	Fuel Tank	
	Pressure range kPa (psi)	250-270 (36-39)	206.9-275.8 (30-40)
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	60 (15.9)/Hr @ 310 (45)	

Fuel Tank

Capacity refill L (gallons)		58.3 (15.4)
Location (describe)		Behind Rear Axle
Attachment		Two Straps, Pin and Loop at Front, Bolt at Rear
Material & Mass kg (weight lbs.)		Steel (NI/Teme Plate) and 9.1 (20.0)
Filler pipe	Location & material	Right Rear Quarter Panel — Steel
	Connection to tank	Rubber Seal
Fuel line (material)		Steel/Nylon
Fuel hose (material)		Covered Nylon
Return line (material)		Steel/Nylon
Vapor line (material)		Steel/Nylon
Extended range tank	Opt., n.a.	N / A
	Capacity L (gallons)	—
	Location & material	—
	Attachment	—
Auxiliary tank	Opt., n.a.	N / A
	Capacity L (gallons)	—
	Location & material	—
	Attachment	—
	Selector switch or valve	—
	Separate fill	—

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Engine Description
Engine Code

3.8L

Vehicle Emission Control

(See Page 7A for 5.0L)

(*)	Exhaust Emission Control	Type (air injection, engine modifications, other)		Vehicle and Engine Modifications, Plus Exhaust Gas Recirculation and Air Injection
		Air Injection	Pump or pulse	N / A
			Driven by	N / A
			Air distribution (head, manifold, etc.)	N / A
			Point of entry	N / A
		Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Delta PFE (DPFE)
			Exhaust source	RH Exhaust Manifold
			Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
		Catalytic Converter	Type	TWC Toeboard (2) + TWC Underbody (2)
			Number of	Four (4)
			Location (s)	TWC (2) — Toeboard and TWC (2) — Underbody
			Volume L (in ³)	Toeboard 2 x (55); Underbody 2 x (42)
			Substrate type	
			Noble metal type	
			Noble metal concentration (g/cm ³)	
	Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Closed Induction System
		Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
		Discharges to (intake manifold, other)		Intake Manifold
		Air inlet (breather cap, other)		Air Inlet Tube
	Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Externally Vented to Carbon Canister
			Carburetor	N / A
		Vapor storage provision		Carbon Canister
	Electronic system	Closed loop (yes/no)		Yes
		Open loop (yes/no)		Yes

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single with Dual Catalyst System
(*)	Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs)	One, Straight Through Flow, 409 Stainless Steel, 10.8 (23.75)
(*)	Resonator no. & type	N / A
Exhaust pipe	Branch o.d., wall thickness	—
	Main o.d., wall thickness	—
	Material & Mass kg (weight lbs)	—
Intermediate pipe	o.d. & wall thickness	50.8 x 1.37 (2.00 x .054)
	Material & Mass kg (weight lbs)	409 Stainless Steel
Tail pipe	o.d. & wall thickness	50.8 x 1.37 (2.00 x .054)
	Material & Mass kg (weight lbs)	409 Stainless Steel

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Engine Description
Engine Code

5.0L

Vehicle Emission Control

(See Page 7 for 3.8L)

Exhaust Emission Control	Type (air injection, engine modifications, other)		Vehicle and Engine Modifications, Exhaust Gas Recirculation and Air Injection
	Air Injection	Pump or pulse	Pump
		Driven by	Belt
		Air distribution (head, manifold, etc.)	Cylinder Head, Underbody Catalyst
		Point of entry	Cylinder Head Exhaust Ports, Underbody Catalyst Mid-Bed
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Electronic
		Exhaust source	#4 Exhaust Port
		Point of exhaust injection (spacer, carburetor, manifold, other)	Upper Intake Manifold
	Catalytic Converter	Type	TWC + TWC + COC
		Number of	Six (Four — TWC + Two — COC)
		Location (s)	TWC (2) — Toeboard and TWC (2) + COC (2) — Underbody
		Volume L (in ³)	Toeboard — (2) x 0.69 (42), Underbody — (4) x 0.69 (42)
		Substrate type	
		Noble metal type	
		Noble metal concentration (g/cm ³)	
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Closed Induction System
	Energy source (manifold vacuum, carburetor, other)		Intake Manifold Vacuum
	Discharges to (intake manifold, other)		Intake Manifold
	Air inlet (breather cap, other)		Throttle Body Inlet Air
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Carbon Canister
		Carburetor	N / A
	Vapor storage provision		Carbon Canister
Electronic system	Closed loop (yes/no)		Yes (Stabilized)
	Open loop (yes/no)		Yes (Cold Start and Heavy Load)

Engine – Exhaust System

Type (single, single with cross-over, dual, other)		Dual with Tubular Exhaust Manifolds	
(*)	Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs)	Two, Reverse Flow, 409 Stainless Steel and LH — 9.26 (20.4), RH — 9.38 (20.6)	
Resonator no. & type		N / A	
Exhaust pipe	Branch o.d., wall thickness	—	
	Main o.d., wall thickness	—	
	Material & Mass kg (weight lbs)	—	
Intermediate pipe	o.d. & wall thickness	57.2 x 1.30 – 1.45 (2.25 x 0.051 – 0.057)	
	Material & Mass kg (weight lbs)	409 Stainless Steel	
(*)	Tail pipe	o.d. & wall thickness	57.2 x 1.2 – 1.35 (2.25 x 0.047 – 0.053)
(*)		Material & Mass kg (weight lbs)	409 Stainless Steel with Bright 309 Stainless Steel Polished Outlets

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1994

Issued 5/14/93

Revised (*) 7/30/93

METRIC (U.S. Customary)

Engine Description
Engine Code

3.8L

Transmissions/Transaxle (Std., Opt., N.A.) (See Page 8A for 5.0L)

Manual 4-speed (manufacturer/country)	N / A
Manual 5-speed (manufacturer/country)	Standard (Borg Warner)
Manual 6-speed (manufacturer/country)	N / A
Automatic (manufacturer/country)	N / A
Automatic overdrive (manufacturer/country)	Optional, 4-Speed (Ford)

Manual Transmission/Transaxle

Number of forward speeds		Five
Gear ratios	1st	3.35
	2nd	1.93
	3rd	1.29
	4th	1.00
	5th	0.73
	6th	—
	Reverse	3.15
Synchronous meshing (specify gears)		All Forward Gears
Shift lever location		Floor
(*) Trans. case mat'l. & mass kg (lbs)*		Aluminum & 40.87 (90.1)
Lubricant	Capacity L (pt.)	2.6 (5.6)
	Type recommended	Dexron IIE (97% By Volume) Plus Lubrizol (3% by Volume)

Clutch (Manual Transmission)

(*) Clutch manufacturer		Luk Inc.
Clutch type (dry, wet; single, multiple disc)		Dry Plate, Single Disc
Linkage (hydraulic, cable, rod, lever, other)		Cable with Self-Adjustment
(*) Max. pedal effort (nom. spring load) N (lbs)	Depressed	130 (29)
	Released	71 (16)
Assist (spring, power/percent, nominal)		No
Type pressure plate springs		Belleville Springs
Total spring load (nominal) N (lbs)		6750 (1517)
(*) Clutch facing	Facing mfg. & material coding	Valeo F-202
	Facing material & construction	Woven Non-Asbestos
	Rivets per facing	16
	Outside x inside dia. (nominal)	280 x 198 (11.02 x 7.8)
	Total eff. area cm ² (in. ²)	307.8 (47.6)
	Thickness (pressure plate side/ty wheel side)	3.35 (0.132)/3.35 (0.132)
	Rivet depth (pressure plate side/ty wheel side)	1.2 (0.047)/1.2 (0.047) Minimum
(*) Engagement cushion method		Segmented
Release bearing type & method lub.		Self-Centering, Angular Contact, Constant Running, Prepacked
Torsional damping method, springs, hysteresis		Multi-State, Springs and Friction Material

* Includes shift linkage, lubricant, and clutch housing. If other specify.

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1994 Issued 5/14/93 Revised (*) 10/1/93

METRIC (U.S. Customary)

Engine Description
Engine Code

5.0L

Transmissions/Transaxle (Std., Opt., N.A.)

Manual 4-speed (manufacturer/country)	N / A
Manual 5-speed (manufacturer/country)	Standard (Borg Warner)
Manual 6-speed (manufacturer/country)	N / A
Automatic (manufacturer/country)	N / A
(*) Automatic overdrive (manufacturer/country)	Optional (Ford/USA); N / A w/Cobra

Manual Transmission/Transaxle

Number of forward speeds		Five
Gear ratios	1st	3.35
	2nd	1.99
	3rd	1.33
	4th	1.00
	5th	0.68
	6th	—
	Reverse	3.15
Synchronous meshing (specify gears)		All Forward Gears
Shift lever location		Floor
Trans. case mat'l. & mass kg (lbs)*		Aluminum and 40.87 (90.1)
Lubricant	Capacity L (pt.)	2.6 (5.6)
	Type recommended	Dexron IIE (97% By Volume) Plus Lubrizol (3% By Volume)

Clutch (Manual Transmission)

Clutch manufacturer		Valeo
Clutch type (dry, wet; single, multiple disc)		Dry Plate, Single Disc
Linkage (hydraulic, cable, rod, lever, other)		Cable with Self-Adjustment
Max. pedal effort (nom. spring load) N (lbs)	Depressed	148 (33)
	Released	107 (24)
Assist (spring, power/percent, nominal)		No
Type pressure plate springs		Belleville Springs
Total spring load (nominal) N (lbs)		8795 (1977)
Clutch facing	Facing mfg. & material coding	Valeo F-202
	Facing material & construction	Woven Non-Asbestos
	Rivets per facing	18
	Outside x inside dia. (nominal)	268 x 170 (10.55 x 6.69)
	Total eff. area cm ² (in. ²)	674 (104.4)
	Thickness (pressure plate side/fly wheel side)	3.6 (0.14)/3.6 (0.14)
	Rivet depth (pressure plate side/fly wheel side)	1.40 (.055) / 1.40 (.055) Minimum
	Engagement cushion method	Segmented
Release bearing type & method lub.		Self-Centering, Angular Contact, Constant Running, Prepacked
Torsional damping method, springs, hysteresis		Multi-Stage, Springs and Friction Material

* Includes shift linkage, lubricant, and clutch housing. If other specify

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1994

Issued 5/14/93

Revised (-) 10/1/93

METRIC (U.S. Customary)

(*) Engine Description
Engine Code

3.8L

2.73:1 Axle

5.0L

2.73:1 Axle 3.08:1 Axle 3.27:1 Axle

Automatic Transmission/Transaxle

Trade Name		Automatic Overdrive (AODE)		
Type and special features (describe)		4-Speed Electronically Controlled and Shift Pattern; Planetary Gear Set		
Shift mechanics		Non-Synchronous 1 to 2/2 to 3 Synchronous 3 to 4		
Gear selector	Location (column, floor, other)	Floor (Located in Console w/Push Button O/D Lockout)		
	Ltr./No. designation (e.g. PRND21)	P R N D 2 1		
	Shift interlock (yes, no, describe)	Yes, Locks Selector in "PARK" Position until Service Brakes are Applied		
Gear ratios	1st	2.40		
	2nd	1.47		
	3rd	1.00		
	4th	0.67		
	Reverse	2.00		
	Final drive ratio	1.83:1 2.06:1 2.19:1		
(*) Max. upshift vehicle speed - drive range km/h (mph)		193 (120)	204 (127)	N / A 180 (112)
(*) Max. upshift engine speed RPM		4560	5000	N / A 5000
(*) Max. kickdown speed - drive range km / h (mph)		166 (103)	180 (112)	N / A 164 (102)
(*) Min. overdrive speed km / h (mph)		72 (45)	68 (42)	N / A 60 (37)
Torque converter	Type	Piston Plate Modulated Lock-Up Converter		
	Torus design	Full		
	Number of elements	Three		
	Max. ratio at stall	2.4		
	Type of cooling (air, liquid)	Liquid		
	Nominal diameter	305 (12)		
	Capacity factor "K"	165		
Pump type		Gerotor		
Lubricant	Capacity refill L (pt.)	12.4 (26.2)		
	Type recommended	ESP-M2C 166-H (Mercon®) WSP-M2C 185-A for Service Exc. Calif.)		
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard, External Oil to Engine Coolant		
Transmission mass kg (lbs) & case material**		90.7 (200) & Aluminum		

All Wheel / 4 Wheel Drive

(NOT OFFERED)

Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)		
Transfer case	Manufacturer and model	
	Type and location	
Low-range gear ratio		
System disconnect (describe)		
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	
	Torque split (% front/rear)	

* Input speed ÷ √torque

** Dry weight including torque converter. If other, specify.

Vehicle Line MUSTANG

Model Year	1994	Issued	5/14/93	Revised (*)	7/30/93
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METRIC (U.S. Customary)[illegible]

3.8L

5.0L

Axle Ratio and Tooth Combinations

(See 'Power Teams' for axle ratio usage)

(*) Axle ratio (or overall top gear ratio)		2.73:1	2.73:1	3.08:1	3.27:1
(*) Ring gear o.d.		198.1 (7.8)	221 (8.7)	223.5 (8.8)	223.5 (8.8)
No. of teeth	Pinion	15	15	13	11
	Ring gear	41	41	40	36

(•) **Rear Axle Unit**

(Regular Axle)

(Traction-Lok Axle)

Description		Semi-Floating Type with Cast Center and Overhung Pinion	
Limited slip differential (type)		N / A	Friction Disc
(•)	Drive Pinion	Type	Hypoid
		Offset	25.4 (1.0) 38.1 (1.5)
No. of differential pinions		Two	
	Pinion / differential	Adjustment (shim, etc.)	Shim
		Bearing adjustment	Collapsible Spacer, Shim
Driving wheel bearing (type)		Straight Roller	
(•)	Lubricant	Capacity L (pt.)	1.5 (3.3) 1.8 (3.75)
(•)		Type recommended	ESP-M2C 154-A, SAE 90, GL-5 Plus ESP-M2C 154-A, SAE 90, GL-5 Plus (a)

(a) Add 4 oz. M2C11-A Friction Modifier

Propeller Shaft — Rear Wheel Drive

(*)

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Ford Straight Tube with Internal Tuned Damper	
Outer diam. x length* x wall thickness	Manual 4-speed transmission		N / A	
	Manual 5-speed transmission		88.9 x 1163 x 1.65 (3.50 x 45.8 x .065)	88.9 x 1153 x 1.65 (3.50 x 45.4 x .065)
	Manual 6-speed transmission		N / A	
	Overdrive		N / A	
	Automatic Transmission 4-Speed, AODE		88.9 x 1163 x 1.65 (3.50 x 45.8 x .065)	88.9 x 1153 x 1.65 (3.50 x 45.4 x .065)
Intermediate bearing	Type (plain, anti-friction)		N / A	
	Lubrication (fitting, prepack)		N / A	
Slip yoke	Type		Damper	Plain w/ MT; Damper w/ AT
	Number of teeth		28	
	Spline o.d.		38.05 (1.498)	
Universal joints	Make and mtg. no.	Front	Ford 1310	Ford 1330
		Rear	Ford 1310	Ford 1330
	Number used		Two	
	Type (ball and trunnion, cross)		Cross	
	Rear attach (u-bolt, clamp, etc.)		Circular Flange	
	Bearing	Type (plain, anti-friction)	Needle Roller	
Lubrication (fitting, prepack)		Pre-pack		
Drive taken through (torque tube, arms or springs)			Control Arms	
Torque taken through (torque tube, arms or springs)			Control Arms	

* Centerline to centerline of universal joints, or to centerline of rear attachment.

MVMA Specifications

Vehicle Line **MUSTANG**

Model Year **1994**

Issued **5/14/93**

Revised (*) **10/1/93**

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

MUSTANG MODELS EXCEPT GT AND COBRA

Suspension – General Including Electronic Controls (SEE PAGE 11A FOR GT AND 11B FOR COBRA)

Car leveling	Standard/optional/not avail.	N / A
	Manual/automatic control	—
	Type (air/hydraulic)	—
	Primary/assist spring	—
	Rear only/4 wheel leveling	—
	Single/dual rate spring	—
	Single/dual ride heights	—
	Provision for jacking	—
Shock absorber damping controls	Standard/option/not avail.	N / A
	Manual/automatic control	—
	Number of damping rates	—
	Type of actuation (manual/ electric motor/air, etc.)	—
	s e n s o r s	Lateral acceleration
		Deceleration
		Acceleration
		Road surface
(*) Shock absorber (front & rear)	Type	Strut — Front/Shock — Rear, Nitrogen Gas Pressurized Hydraulic
	Make	Monroe Automotive
	Piston diameter	Front 32 (1.26)/Rear 30.12 (1.19)
	Rod diameter	Front 22 (0.87)/Rear 12.5 (0.5)

Suspension – Front

Type and description		Hybrid MacPherson Strut with Spring Mounted on Lower Control Arm
Travel	Full jounce (define load condition)	91 (3.58)
	Full rebound	91.7 (3.61)
Spring	Type (coil, leaf, other & material)	Coil, SAE-5160-H Steel
	Insulators (type & material)	Upper-Ring, Lower-Sleeve & Rubber
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	89.0 (3.50); 2956 (116.4) & 15.6 (0.61)
	Spring rate [N/mm (lb./in.)]	70 (400)
	Rate at wheel [N/mm (lb./in.)]	19 (106)
Stabilizer	Type (link, linkless, frameless)	Link; Teflon Lined Rubber Under Rail Insulator
	Material & O.D. bar/tube, wall thickness	SAE-J403, 1020 Solid Ends/SAE-J404, 413L DOM-Tube Steel & 27 (1.06) Tubular Bar-4.32 (0.17) Wall Thickness

Suspension – Rear

Type and description		Four Bar Link with Coil Spring on Lower Arm
Travel	Full jounce (define load condition)	73.7 (2.90)
	Full rebound	122.1 (4.81)
Spring	Type (coil, leaf, other & material)	Coil, SAE-5160-H Steel
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	196 (7.7) & 102 (4.02); 2984 (117.5) & 13.0 (0.51)
	Spring rate [N/mm (lb./in.)]	28 (160) w/Coupe; Variable 29 (165) to 46 (265) w/Convertible
	Rate at wheel [N/mm (lb./in.)]	14 (80) w/Coupe; Variable 14.5 (83) to 23 (133) w/Convertible
	Insulators (type & material)	Upper Disc (Rubber); Lower Disc (Rubber)
	If leaf	No. of leaves
		Shackle (comp. or tens.)
Stabilizer	Type (link, linkless, frameless)	Linkless
	Material & O.D. bar/tube, wall thickness	SAE-J403, 1020 Solid Ends/SAE-J404, 4130 DOM-Tube Steel & 21 (0.827) Tubular Bar-3.36 (0.132) Wall Thickness
Track bar (type)		None

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1994 Issued 5/14/93 Revised (*) 10/1/93

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

MUSTANG GT MODELS WITH AXLE DAMPER REAR SUSPENSION

Suspension – General Including Electronic Controls

Car leveling	Standard/optional/not avail.	N / A
	Manual/automatic control	—
	Type (air/hydraulic)	—
	Primary/assist spring	—
	Rear only/4 wheel leveling	—
	Single/dual rate spring	—
	Single/dual ride heights	—
	Provision for jacking	—
Shock absorber damping controls	Standard/optional/not avail.	N / A
	Manual/automatic control	—
	Number of damping rates	—
	Type of actuation (manual/electric motor/air, etc.)	—
	s e n s o r s	Lateral acceleration
		Deceleration
		Acceleration
		Road surface
Shock absorber (front & rear)	Type	Front Struts/Vert. Rear Shocks, Nitrogen Gas-Pressurized Hydraulic; Horizontal Rear Damper
	Make	Front Struts/Rear Shocks — Monroe Automotive Rear Dampers — Gabriel
	Piston diameter	Front 32 (1.26)/Rear 30.12 (1.19); Damper 25.4 (1.00)
	Rod diameter	Front 22 (0.87)/Rear 12.5 (0.5); Damper 12.5 (0.50)

Suspension – Front

Type and description		Hybrid MacPherson Strut with Spring Mounted on Lower Control Arm
Travel	Full jounce (define load condition)	91 (3.58)
	Full rebound	91.7 (3.61)
Spring	Type (coil, leaf, other & material)	Coil, SAE 5160 Steel
	Insulators (type & material)	Upper — Ring, Lower — Sleeve and Rubber
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	Variable Rate Coil; 89.0 (3.50); 325.1 (12.8) & 16.69 (.66) to 14.75 (.58)
	Spring rate [N/mm (lb./in.)]	Variable 70 (400) to 87.5 (500)
	Rate at wheel [N/mm (lb./in.)]	Variable 19 (106) to 23 (133)
Stabilizer	Type (link, linkless, frameless)	Link; Teflon Lined Rubber Under Rail Insulator
	Material & O.D. bar/tube, wall thickness	SAE-J403, 1020 Solid Ends/SAE-J404, 4130 DOM-Tube Steel & 30 (1.18) Tubular Bar, 4.8 (0.189) Wall Thickness

Suspension – Rear

Type and description		Four Bar Link with Coil Spring on Lower Arm; Also Includes both Vertical Shock Absorbers and Horizontal Axle Dampers
Travel	Full jounce (define load condition)	73.7 (2.90)
	Full rebound	122 (4.81)
Spring	Type (coil, leaf, other & material)	Variable Rate Coil and SAE 5160H Steel
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	Variable Rate; 196 (7.7) & 102 (4.02); 283.2 (11.15) and 14.36 (.56) to 11.27 (.44)
	Spring rate [N/mm (lb./in.)]	Variable 29 (165) to 46 (265)
	Rate at wheel [N/mm (lb./in.)]	Variable 14.5 (83) to 23 (133)
	Insulators (type & material)	Lower Disc (Rubber) and Upper Disc (Rubber)
	If leaf	No. of leaves
		Shackle (comp. or tens.)
Stabilizer	Type (link, linkless, frameless)	Linkless
	Material & O.D. bar/tube, wall thickness	SAE-J403, 1020 Solid Ends/SAE-J404, 4130 DOM-Tubular 24 (0.94) Tubular Bar 3.0 (0.118) Wall Thickness
Track bar (type)		None

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1994 Issued 10/1/93 Revised (•) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

MUSTANG COBRA MODELS WITH AXLE DAMPER REAR SUSPENSION

Suspension – General Including Electronic Controls

Car leveling	Standard/optional/not avail.	N / A
	Manual/automatic control	—
	Type (air/hydraulic)	—
	Primary/assist spring	—
	Rear only/4 wheel leveling	—
	Single/dual rate spring	—
	Single/dual ride heights	—
	Provision for jacking	—
Shock absorber damping controls	Standard/option/not avail.	N / A
	Manual/automatic control	—
	Number of damping rates	—
	Type of actuation (manual/ electric motor/air, etc.)	—
	s e n s o r s	Lateral acceleration
		Deceleration
		Acceleration
		Road surface
Shock absorber (front & rear)	Type	Front Struts/Vert. Rear Shocks, Nitrogen Gas-Pressurized Hydraulic.; Horizontal Rear Dampers
	Make	Front Struts/Rear Shocks — Monroe Automotive; Rear Dampers — Gabriel
	Piston diameter	Front 32 (1.26)/Rear 30.12 (1.19); Damper 25.4 (1.00)
	Rod diameter	Front 22 (0.87)/Rear 12.5 (0.5); Damper 12.5 (0.50)

Suspension – Front

Type and description		Hybrid MacPherson Strut with Spring Mounted on Lower Control Arm
Travel	Full jounce (define load condition)	91 (3.58)
	Full rebound	91.7 (3.61)
Spring	Type (coil, leaf, other & material)	Coil, SAE 5160 Steel
	Insulators (type & material)	Upper — Ring, Lower — Sleeve and Rubber
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	Coil: 89.0 (3.50) i.d.
	Spring rate [N/mm (lb./in.)]	70 (400)
	Rate at wheel [N/mm (lb./in.)]	19 (106)
Stabilizer	Type (link, linkless, frameless)	Link; Teflon Lined Rubber Under Rail Insulator
	Material & O.D. bar/tube, wall thickness	SAE-J403, 1020 Solid Ends/SAE-J404, 4130 DOM-Tube Steel & 25 (0.98) Tubular Bar, 5.0 (0.197) Wall Thickness

Suspension – Rear

Type and description		Four Bar Link with Coil Spring on Lower Arm; Also Includes both Vertical Shock Absorbers and Horizontal Axle Dampers
Travel	Full jounce (define load condition)	73.7 (2.90)
	Full rebound	122 (4.81)
Spring	Type (coil, leaf, other & material)	Variable Rate Coil and SAE 5160H Steel
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	Coil
	Spring rate [N/mm (lb./in.)]	28 (160)
	Rate at wheel [N/mm (lb./in.)]	14.0 (80)
	Insulators (type & material)	Lower Disc (Rubber) and Upper Disc (Rubber)
	If leaf	No. of leaves
		Shackle (comp. or tens.)
Stabilizer	Type (link, linkless, frameless)	Linkless
	Material & O.D. bar/tube, wall thickness	SAE-J403, 1020 Solid Ends/SAE-J404, 4130 DOM-Tubular 27 (1.06) Tubular Bar-5.4 (0.213) Wall Thickness
Track bar (type)		None

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1994

Issued 5/14/93

Revised (*) 10/1/93

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

ALL MODELS EXCEPT COBRA COBRA MODELS

Brakes — Service

Description			Four Wheel Hydraulic Actuated System		
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)		Disc		
	Rear (disc or drum)		Disc		
(•) Valving type (proportion, delay, metering, other)			Proportion (400/0.42)	Proportion (250/0.36)	
Power brake (std., opt., n.a.)			Standard		
Booster type (remote, integral, vac., hyd., etc.)			205 (8.07) Tandem, Vacuum		
Vacuum	Source (inline, pump, etc.)		Inline		
	Reservoir (volume in. ³)		N / A		
	Pump-type (elec. gear driven, belt driven)		N / A		
Traction assist	Operational speed range		—		
	Type (engine or brake intervention)		—		
Anti-lock device	Front / rear (std., opt., n.a.)		Opt. / Opt.		
	Manufacturer		Bosch		
	Type (electronic, mech.)		Electronic		
	Number sensors or circuits		4		
	Number anti-lock hydraulic circuits		3		
	Integral or add-on system		Integral		
	Yaw control (yes, no)		Yes		
Hydraulic power source (elec., vac. mtr., pwr. strg.)			Electric Motor		
(•) Effective area cm ² (in. ²)*			199.2 (30.88) / 107 (16.6)	212.3 (32.9) / 107 (16.6)	
(•) Gross Lining area cm ² (in. ²)*(F/R)			205.2 (31.81) / 107 (16.6)	212.3 (32.9) / 107 (16.6)	
(•) Swept area cm ² (in. ²)*(F/R)			1423 (220.0) / 1086 (168.3)	1456 (225.7) / 1226 (190.0)	
(•) Rotor	Outer working diameter	F/R	276 (10.8) / 266 (10.5)	330 (13.0) / 296 (11.42) 296 (11.65)	
	Inner working diameter	F/R	175.7 (6.9) / 180.5 (7.1)	247.6 (9.75) / 210 (8.3)	
	Thickness	F/R	26 (1.02) / 14 (0.55)	28 (1.10) / 18 (0.71)	
	Material & type (vented/solid)	F/R	Cast Iron, Vented / Cast Iron, Solid	Cast Iron, Vented / Cast Iron, Vented	
(•) Drum	Diameter & width	F/R	N / A		
	Type and material	F/R	—		
(•) Wheel cylinder bore			60 (2.36) – Front / 19.1 (0.75) – Rear	38 (1.5) – 2 Cal. Front / 38 (1.5) – 2 Cal. Rear	
(•) Master cylinder Bore/stroke			27 (1.06) / 36.7 (1.44)	25.4 (1.0)	
Pedal arc ratio			3.5:1		
(•) Line pressure at 445 N(100 lb.)pedal load [kPa (psi)]			8588 (1246)	9692 (1406)	
Lining clearance			F/R		
(•) Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Rivet size		N / A	
		Manufacturer		Akebono	JB1
		Lining code*****		AK-NS171H	CP-26-FE
		Material		Low Metallic, Non Asbestos	Semi-Metallic, Non Asbestos
		****	Primary or out-board	112 x 51 x 10.65 (4.4 x 2.0 x 0.4)	137 x 40 x 9.5 (5.4 x 1.6 x 0.4)
	Rear wheel	Size	Secondary or in-board	112 x 51 x 10.65 (4.4 x 2.0 x 0.4)	137 x 40 x 9.5 (5.4 x 1.6 x 0.4)
		Shoe thickness (no lining)		6.35 (0.25)	5.5 (0.22)
		Bonded or riveted (rivets/seg.)		Bonded	
		Manufacturer		Akebono	
		Lining code*****		AK-NS516H	
		Material		Low Metallic, Non Asbestos	
		****	Primary or out-board	72.4 x 38 x 12 (2.8 x 1.5 x 0.47)	72.4 x 38 x 10 (2.8 x 1.5 x 0.40)
		Size	Secondary or in-board	72.4 x 38 x 12 (2.8 x 1.5 x 0.47)	72.4 x 38 x 10 (2.8 x 1.5 x 0.40)
		Shoe thickness (no lining)		5.0 (.20)	

* Excludes rivet holes, grooves, chamfers, etc. **Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)
(Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by $\pi/2$ for each brake.)

**** Size for drum brakes includes length x width x thickness. *****Manufacturer I.D., catalog for formulation designation and coefficient of friction classification

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Vehicle Line MUSTANG

Model Year 1994

Issued 5/14/93

Revised (+) 10/1/93

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

MUSTANG MODELS

MUSTANG GT MODELS

Tires And Wheels (Standard)

Tires	Size (service description)	P205/65R15 92T	P225/55ZR16
	Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial	
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	240 (35)
		Rear kPa (psi)	207 (30)
	Rev./mile at 70 km/h (45 mph)	810	812
Wheels	Type & material	Stamped Steel	Aluminum, Painted Spider
	Rim (size & flange type)	(15" x 6.5")	(16" x 7.5")
	Wheel offset	24 (0.94)	30 (1.18)
	Attachment	Type (bolt or stud & nut)	Stud
		Circle diameter	(4.5)
		Number & size	Five — 12.7 (.50) — 20 Thd
(*) Spare	Tire and wheel	T125/90R15, 415 KPa (60 PSI), Aluminum Wheel 381 x 101.6 (15 x 4), Temporal Spare (High Pressure)	
	Storage position & location (describe)	Flat Position, Deep Well in Trunk	

Tires and Wheels (Optional)

Tire size (service description)	N / A	245/45ZR17 Performance
Type (bias, radial, steel, nylon, etc.)	—	Steel Belted Radial
Wheel (type & material)	Aluminum, Painted Spider	Aluminum, Painted Spider
Rim (size, flange type and offset)	(15" x 7") JJ, Offset 24 (0.94)	(17" x 8"), Offset 30 (1.18)
Tire size (service description)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Tire size (service description)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Tire size (service description)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		

Brakes — Parking

Type of control		Pull Level — Push Button Release
Location of control		Tunnel Mounted
Operates on		Rear Service Brakes
If separate from service brakes	Type (internal or external)	N / A
	Drum diameter	—
	Lining size (length x width x thickness)	—

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Revised (•)

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

MUSTANG COBRA MODELS

Tires And Wheels (Standard)

Tires	Size (service description)		P255.45ZR17
	Type (bias, radial, steel, nylon, etc.)		Steel Belted Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	207 (30)
		Rear kPa (psi)	207 (30)
	Rev./mile-at 70 km/h (45 mph)		802
Wheels	Type & material		Aluminum, Painted Spider
	Rim (size & flange type)		(17" x 8.0")
	Wheel offset		30 (1.18)
	Attachment	Type (bolt or stud & nut)	Stud
		Circle diameter	(4.5)
Spare	Tire and wheel		
	Storage position & location (describe)		Flat Position, Deep Well in Trunk

Tires and Wheels (Optional)

(NOT AVAILABLE)

Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel size	
(if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	

Brakes — Parking

Type of control		Pull Lever — Push Button Release
Location of control		Tunnel Mounted
Operates on		Rear Service Brakes
If separate from service brakes	Type (internal or external)	N / A
	Drum diameter	—
	Lining size (length x width x thickness)	—

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Engine Code/Description

MUSTANG MODELS

MUSTANG GT AND COBRA MODELS

Steering

Manual (std., opt., n.a.)			N / A	
Power (std., opt., n.a.)			Standard	
Speed-sensitive (std., opt., n.a.)			N / A	
4-wheel steering (std., opt., n.a.)			N / A	
Adjustable steering wheel/column (tilt, telescope, other)		Type	Tilt Column	
		Manufacturer	Ford	
		(std., opt., n.a.)	Standard	
Wheel diameter** (W9) SAE J1100		Manual	N / A	
		Power	Std. 381 (15)	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)	11.67 (38.3)	
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		
Scrub Radius*			5.0 (0 20)	-5.0 (-0 20)
Manual	Gear	Type	N / A	
		Manufacturer	—	
		Ratios : Gear	—	
		Overall	—	
	No. wheel turns (stop to stop)		—	
Power	Type (coaxial, elec., hyd., etc.)		Integral Hydraulic	
	Manufacturer		Gear (Ford), Pump (Ford); Fluid ESP-M2C 138CJ	
	Gear	Type	Rack and Pinion	
		Ratios : Gear	6.44 ² /mm Constant Ratio	
		Overall	14.7:1 on Center; 13.2:1 at Stops	
	Pump (drive)		Multi-Rib Belt Off Crankshaft Pulley	
	No. wheel turns (stop to stop)		2.38	
Linkage	Type		Rack and Pinion (Rod and Ball Joint Directly Attached to Gear)	
	Location (front or rear of wheels, other)		Front of Wheels	
	Tie rods (one or two)		Two (Integral with Gear)	
Steering axis	Inclination at camber (deg.)		18.0°	
	Bearings (type)	Upper	Strut Mount	
		Lower	Ball Joint	
		Thrust		
Steering spindle/knuckle & joint type			Forged Spindle, with Ball Joint	

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.

** See Page 23.

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METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

**MUSTANG MODELS
EXCEPT COBRA**

MUSTANG COBRA MODELS

Wheel Alignment

(*)	Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	+3.6° ± 0.75° (a)	3.9
			Camber (deg.)	-0.6° ± 0.75° (a)	
			Toe-in outside track-mm (in.)	+3.0 ± 3.0 (+0.12 ± 0.12) (b)	0.0 ± 0.12
	(*)	Service reset*	Caster (deg.)	Factory Set and Cannot Be Adjusted	
			Camber (deg.)	-0.6° ± 0.75° (a)	
			Toe-in - mm (in.)	+3.0 ± 3.0 (+0.12 ± 0.12) (b)	0.0 ± 0.12
(*)	Periodic M.V. inspection		Caster (deg.)	+3.6° ± 0.75° (a)	3.9
			Camber (deg.)	-0.6° ± 0.75° (a)	
			Toe-in - mm (in.)	+3.0 ± 3.0 (+0.12 ± 0.12) (b)	0.0 ± 0.12
	Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	N / A	
			Toe-in outside track-mm (in.)	N / A	
		Service reset*	Camber (deg.)	N / A	
	Periodic M.V. inspection		Toe-in - mm (in.)	N / A	
			Camber (deg.)	N / A	
			Toe-in - mm (in.)		

* Indicates pre-set, adjustable, trend set or other.

(a) Max. Side-to-Side Difference Not to Exceed ± 0.75°

(b) Steering Wheel Must be Within ± 3.0° of -0.75° (Counter-Clockwise) After Toe Setting

Electrical – Instruments and Equipment

(*)	Speedometer	Type (analog, digital, std., opt.)	Analog, Standard 193 KPH/120 MPH (d)	241 KPH/150 MPH
		Trip odometer (std., opt., n.a.)	Standard	275 KPH/160 MPH
Head-up display	Standard, optional, not available		N / A	
		Type	Secondary, opto-electronic	
		Speedometer	Digital	
	Status / warning indicators	Turn signals, high beam, low fuel, check gauges		
		Brightness control	Day / night mode, adjustable	
	EGR maintenance indicator		N / A	
Charge indicator	Type		90° Magnetic Voltmeter Gauge, Standard	
	Warning device (light, audible)		Warning Light, Standard	
Temperature indicator	Type		90° Magnetic Gauge, Standard	
	Warning device (light, audible)		N / A	Warning Light, Standard (c)
Oil pressure indicator	Type		90° Magnetic Gauge, Standard	
	Warning device (light, audible)		N / A	Warning Light, Standard (c)
Fuel indicator	Type		90° Magnetic Gauge, Standard	
	Warning device (light, audible)		Warning Light, Standard (c)	
Wind-shield wiper	Type (standard)		Two-Speed Electric Column-Mtd. Control, Interval Wipe, Standard	
	Type (optional)		N / A	
	Blade length		500 (20)	
	Swept area cm ² (in. ²)		6381 (989)	
Wind-shield washer	Type (standard)		Electric Pump (Impeller Type), Standard	
	Type (optional)		N / A	
	Fluid level indicator (light, audible)		N / A	Light, Standard (c)
Rear window wiper, wiper/washer (std., opt., n.a.)			N / A	
Horn	Type		Air Electric	
	Number used		Two Std. — One Hi-Pitch, One Lo-Pitch	
Other			See Page 15A	

(*) (c) Alert Lights Located in Instrument Cluster for Low Fuel, and Low Washer Fluid (Check Oil and Low Coolant w/GT and Cobra)

(d) 241 KPH/150 MPH w/GT MODEL

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METRIC (U.S. Customary) SUPPLEMENTAL PAGE

Electrical Instruments and Equipment (Cont'd)

- Brake System Warning Light
- Emergency Flashers
- Directional Turn Signal Lights
- Hi-Beam Indicator Light
- Fasten Seat Belts Warning Light
- Headlamps "ON" Reminder Chime, Safety Belt Warning Chime, Ignition Key Reminder Chime
- Check Engine Warning Light (Emissions Warning)
- Check Oil – Low Engine Oil Warning Light (For 5.0L Engine Only; Located in Instrument Cluster)
- Low Coolant Alert Light (For 5.0L Engine Only; Located in Instr. Cluster)
- Air Bag Readiness Light
- Anti-Lock Brake System, Warning Light
- Overdrive "Off" Indicator Light

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METRIC (U.S. Customary)

Code/Description

MUSTANG MODELS/3.8L

Electrical - Supply System

(SEE PAGE 16A FOR 5.0L)

Battery	Manufacturer	Johnson Controls Inc. or GNB
	Model, (std., opt.)	Standard
	Voltage	12
	Amps at 0°F cold crank	540
	Minutes-reserve capacity	100
	Amps/hrs.-20 hr. rate	58
	Location	Left-Hand Front of Engine Compartment
Alternator	Manufacturer	Ford (EFHD Rawsonville)
	Rating (idle/max. rpm)	130 Amp/Max. (F4SU-10300-AB)
	Ratio (alt. crank/rev.)	2.80:1
	Output at idle (rpm, park)	
	Optional (type & rating)	N / A
Regulator	Type	Electronic — Integral with Alternator

Electrical - Starting System

Motor	Manufacturer	Motorcraft — Permanent Magnet Type
	Current drain -20 (°F)	260-380 Amps.
	Power rating kw (hp)	1.4 (1.9)
Motor drive	Engagement type	Positive (E9SF-11000-BA)
	Pinion engages from (front, rear)	Front

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Standard
	Other (specify)	EDIS
Coil	Manufacturer	Nippondenso
	Model	F1SU-12029-AA
	Current	Engine stopped - A
		Engine idling - A
Spark plug	Manufacturer	Motorcraft
	Model	AWSF44 PP
	Thread (mm)	14
	Tightening torque N-m (lb.-ft)	7-15 (5-11)
	Gap	1.32-1.42 (.052-.056)
	Number per cylinder	One
Distributor	Manufacturer	N / A
	Model	N / A

Electrical - Suppression

Locations & type	Capacitor in Alternator, Resistor Spark Plugs and Resistance Core Ignition Wire. Ground Cable — Engine to Dash Ground Cable, Hood Bond, RF Shielding Material.
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MVMA Specifications

Vehicle Line MUSTANG

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METRIC (U.S. Customary)

(-) Engine Code/Description

MUSTANG GT AND COBRA MODELS/5.0L

Electrical – Supply System

(See Page 16 for 3.8L)

Battery	Manufacturer	Johnson Controls Inc. or GNB
	Model, (std., opt.)	Standard
	Voltage	12
	Amps at 0°F cold crank	540
	Minutes-reserve capacity	100
	Amps/hrs., 20 hr. rate	58
	Location	Left-Hand Front of Engine Compartment
Alternator	Manufacturer	Ford (EFHD Rawsonville)
	Rating (idle/max. rpm)	130 Amp Max.
	Ratio (alt. crank/rev.)	2.97:1
	Output at idle (rpm, park)	
	Optional (type & rating)	N / A
Regulator	Type	Electronic with Integral Regulator

Electrical – Starting System

Motor	Manufacturer	Motorcraft — Permanent Magnet Type
	Current drain <u>.20</u> (°F)	260-380
	Power rating kw (hp)	1.4 (1.9)
Motor drive	Engagement type	Positive (E93F-11000-0A)
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Electronic (std., opt., n.a.)	Standard
	Other (specify)	N / A
Coil	Manufacturer	Motorcraft
	Model	E-Core, E73F-12029-AB
	Current	Engine stopped – A
		Engine idling – A
Spark plug	Manufacturer	Motorcraft
	Model	ASF-42C
	Thread (mm)	14
	Tightening torque N-m (lb.-ft)	7-14 (5-10)
	Gap	1.37 (0.054)
	Number per cylinder	One
Distributor	Manufacturer	Motorcraft
	Model	Universal-Hall Effect

Electrical – Suppression

Locations & type	Capacitor in Alternator, Resistor Spark Plugs, Resistance Ignition Wire, Ground Cable — Engine to Dash, Hood Bond.
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METRIC (U.S. Customary)

Model Code/Description

ALL MODELS

Body

Structure	Unitized All-Steel Welded Body with Multi-Piece Side Stampings and Energy-Absorbing Front and Rear Structures
Bumper system front - rear	Impact-Resistant Rim Urethane Fascias with Ultra High Strength Steel Understructure at Front and Rear Front/Rear — 5 MPH Bumpers — Ford Requirements
Anti-corrosion treatment	• Major Exterior and Underbody Sheet Metal Components and Panels Pre-Coated (Galvanized) Steel • Body Cathodically Electrocoat Primed • Urethane Chip-Resistant Primer • Grille: Integral with Polyurethane Fascia

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		Enamel Acrylic (All Colors Clearcoat Except White)
Hood	Material & mass	Composite (SMC) & 15 (33)
	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	Primary — Internal; Secondary — External
Trunk lid	Material & mass	Steel & 16.3 (36)
	Type (counterbalance, other)	Counterbalance — Gas Spring
	Internal release control (elec., mech., n.a.)	Electric (with Power Lock Group)
Hatch-back lid	Material & mass	N / A
	Type (counterbalance, other)	—
	Internal release control (elec., mech., n.a.)	—
Tailgate	Material & mass	N / A
	Type (drop, lift, door)	—
	Internal release control (elec., mech., n.a.)	—
Vent window control (crank, friction, pivot, power)	Front	N / A
	Rear	N / A
Window regulator type (cable, tape, flex drive, etc.)	Front	Mechanical Drive (Cross Arm)
	Rear	N / A Exc. Conv.; Convertible — Mechanical Drive (Single Arm)
Seal cushion type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket, Stamped Frame — Coil Springs and Flexolater-Foam Pad (a)
	Rear	Bench, Integral Frame and Foam Pad Assembly
	3rd seat	None
Seal back type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket, Stamped Frame — Foam Pad (a)
	Rear	Bench, Fm. Hdbd. with Foam Pad Assy on Convertible (Fold Down, Split 50/50 for Coupe)
	3rd seat	None

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized Construction
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(a) Articulated Front Sport Seats Standard with GT.

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METRIC (U.S. Customary)

Model Code/Description

ALL MODELS

Restraint System

Seating Position		Left		Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.)	First seat	Type 2: 3-Point Lap and Shoulder Belt, Standard	N / A	Type 2: 3-Point Lap and Shoulder Belt, Standard
		Second seat	Type 2: 3-Point Lap and Shoulder Belt, Standard	N / A	Type 2: 3-Point Lap and Shoulder Belt, Standard
	Standard / optional	Third seat	N / A	N / A	N / A
Passive	Type & description (air bag, motorized - 2-point belt, fixed belt, knee bolster, manual lap belt)	First seat	Supplemental Air Bag (Inflated with Nitrogen Gas)	N / A	Supplemental Air Bag (Inflated with Nitrogen Gas)
		Second seat	N / A	N / A	N / A
	Standard / optional	Third seat	N / A	N / A	N / A

Glass	SAE Ref. No.	2-DOOR COUPE	CONVERTIBLE
Windshield glass exposed surface area cm ² (in. ²)	S1	10072.3 (1611.2)	
Side glass exposed surface area cm ² (in. ²) - total 2-sides	S2	1704.5 (264.2) Qtr. Window 8221.54 (1274.34) Total	7684.78 (1191.14) Total
Backlight glass exposed surface area cm ² (in. ²)	S3	10117.8 (1618.8)	
Total glass exposed surface area cm ² (in. ²)	S4	28411.6 (4403.8)	
Windshield glass (type / thickness)		Laminated / 5.1 (0.2)	
Side glass (type / thickness)		Tempered / 4.7 (0.19) Door 3.2 (0.126) Qtr.	Tempered / 4.7 (0.19) Door 4.7 (0.19) Qtr.
Backlight glass (type / thickness)		Tempered / 3.8 (0.15)	
Tinted (yes / no, location)		Yes	
Solar control (yes / no, coated / batched, location)		No	

(•) Headlamps

ALL MODELS EXC. COBRA

COBRA MODELS

(•) Description (sealed beam, halogen, replaceable bulb, etc.)	Aero Halogen, Replaceable Bulb (9004)	Aero Halogen, Replaceable Bulb (9007)
(•) Shape	Single, Rectangular	Single, Elliptical
Lo-beam type (2A1, 2B1, 2C1, etc.)	N / A	
Quantity	Two (Combined Two Headlamp System)	
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	N / A	
Quantity	Two (Combined Two Headlamp System)	

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METRIC (U.S. Customary)

• Code/Description

ALL MODELS

Climate Control System

Air conditioning (std., opt., man., auto.)

Optional, Manual Temperature Control

Condenser	Type	Tube and Fin
	Eff. face area (sq. mm.)	283870 (440)
	Fins per inch	22
Evaporator	Type	Shell and Plate
	Eff. face area (sq. mm.)	38340
	Fins per inch	14
Heater core	Material	Aluminum
	Eff. face area (sq. mm.)	28390
	Fins per inch	21
Compressor	Type	Swashplate
	Displacement (cc.)	170
	Manufacturer	Ford
	A/C pulley ratio	1.46:1
Accumulator	Type	Domed
	Height (mm.)	178
	Diameter (mm.)	89
Receiver	Type	N / A
	Height (mm.)	—
	Diameter (mm.)	—
ant control (CCOT, TVS, etc.)		CCOT
...ater water valve (yes/no)		No
Refrigerant (R - 12, R - 134a, etc.)		R-134a
Charge level (lbs. - oz.)		2 lbs.-2 oz.
Cold engine lockout switch (yes/no)		Yes
Wide open throttle cutout switch (yes/no)		Yes

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METRIC (U.S. Customary)

Model Code/Description

ALL MODELS

Convenience Equipment (standard, optional, n.a.)

	Clock (digital, analog)	Standard, Digital
	Compass / thermometer	N/A
	Console (floor, overhead)	Standard, Floor
	Defroster, electric windshield	N/A
	Defroster, electric backlight	Optional (Mandatory New York State)
Electronic	Diagnostic monitor (integrated, individual)	N/A
	Instrument cluster (list instruments)	N/A
	Keyless entry	Optional, Remote: Lock, Unlock, Panic, & Trunk
	Tripfinder (avg. spd., fuel)	N/A
	Voice alert (list items)	N/A
	Other	
	Fuel door lock (remote, key, electric)	N/A
Lamps	Auto head on/off delay, dimming	N/A
	Cornering	N/A
	Courtesy (map, reading)	Standard Comb. Dome/Map Light (Integral w/ Interior Mirror – Convertible.)
	Door lock, ignition	N/A
	Engine compartment	Standard
	Fog	Standard on GT Model; Not Available on Other Models
	Glove compartment	Standard
	Trunk	Standard
	Illuminated entry system (list lamps, activation)	Optional (Included and Available Only w/Remote Keyless Entry Option)
	Other	
Mirrors	Day / night (auto., man.)	Standard, Manual (Integral with Map Light on Convertible)
	L.H. (remote, power, heated)	Std., Power Remote
	R.H. (convex, remote, power, heated)	Std., Convex, Power Remote
	Visor vanity (RH/LH, illuminated)	Optional, RH/LH Illuminated, Std. with Convertible and GT
	Navigation system (describe)	N/A
	Parking brake-auto release (warning light)	N/A

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Model Code/Description

ALL MODELS

Convenience Equipment (standard, optional, n.a.)

(•)	Deck lid (release, pull down)		Standard, Pull Lever — Push Button Release
	Door locks (manual, automatic, describe system)		Optional Power Door Locks (Part of Pwr. Equip. Grp.); Standard with Convertible & GT
	Seats	2 - 4 - 6 way, etc.	Standard, 4-Way Driver's Seat (Not Available w/Cobra)
		Reclining (R.H., L.H.)	N/A
		Memory (R.H., L.H., preset recline)	N/A
		Support (lumbar, hip, thigh, etc.)	Standard GT Only, Power Lumbar, Driver and Passenger
		Heated (R.H., L.H., other)	N/A
	Side windows		Optional (Standard with Convertible & GT), Driver Side Express Down
	Vent windows		N/A
	Rear windows		N/A
(•)	Antenna (location, whip, w/shield, power)		Standard, Whip — Right Front Fender
	Standard		Electronic AM/FM Stereo 24 Watt Output (All Models Except Cobra)
			Electronic AM/FM Stereo With Cassette and 24 Watt Output (Cobra)
	Optional	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	— Electronic AM/FM Stereo with Cassette (24 watts)
			— Electronic AM/FM Stereo with Cassette & Premium Sound (80 Watts) (a)
			— Mini Disc Player (Requires Opt. AM/FM w/Cassette and Premium Sound or Mach 460 System)
			— Mach 460 Premium AM / FM Stereo with Cassette (Includes Four 5.5" x 7.5" Subwoofer and Four 2.5" Dia. Mid-Range Tweeter Speakers) (a) (b)
			— Audio Disc Single Play System (Requires Opt. AM / FM w/ Cassette and Premium Sound or Mach 460 System) (b)
	Speaker (number, location)		Std. — Four 5.5 x 7.5; Located in Each Side Door and Package Tray for Coupe, (One in Each Inner Qtr. Panel for Convertible)
	Roof: open air or fixed (flip-up, sliding, "T")		N/A
Speed control device		Optional (Standard w/Cobra)	
Speed warning device (light, buzzer, etc.)		N/A	
Tachometer (rpm)		7000	
Telephone system (describe)		N/A	
Theft deterrent system		Optional, Total Anti-Theft System (TATS) (Standard w/Cobra)	
		(a) Inc. Premium Quality Speakers	
		(b) Mach 460 and Audio Disc Systems Available w/Cobra as Combined Option	

Trailer Towing

Towing capable	Yes/No	Yes
Engine/transmission/axle	Std/Opt	Standard
Tow class (I, II, III)*	Std/Opt	Class I
Max. gross trailer wgt. (lbs.)	Std/Opt	1000
Max. trailer tongue load (lbs.)	Std/Opt	100
Towing package available	Yes/No	No

* Class I — 2,000 lbs.

Class II — 3,500 lbs.

Class III — 5,000 lbs.

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Vehicle Line MUSTANG

METRIC (U.S. Customary)

Model Year 1994

Issued 5/14/93

Revised (*) 10/1/93

Vehicle Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line.
SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified

(*) Model Code/Description

COUPE (BASE; GT)

CONVERTIBLE (BASE; GT)

Width

SAE Ref. No.		(FOR COBRA MODELS SEE PAGE 22A)
W101	Tread (front)	1539 (60.6); 1527 (60.1) w/GT
W102	Tread (rear)	1501 (59.1); 1490 (58.7) w/GT
W103	Vehicle width	1823 (71.8)
W117	Body width at Sg RP (front)	1749 (68.9)
W120	Vehicle width (front doors open)	
W121	Vehicle width (rear doors open)	
W122	Tumble-home (degrees)	26°
W410	Outside mirror width	1963 (77.3)

Length

L101	Wheelbase	2572 (101.3)
L103	Vehicle length	4610 (181.5)
L104	Overhang (front)	1022 (40.2)
L105	Overhang (rear)	1016 (40.0)
(*) L123	Upper structure length	2535 (99.8) 2373 (93.4)
L127	Rear wheel C/L "X" coordinate	4193 (165.1)

Height*

PD1,2,3	Passenger distribution (front/rear)	2/2
	Trunk/cargo load	0
(*) H101	Vehicle height	1345 (52.9); 1357 (53.4) w/GT 1347 (53.04); 1354 (53.3) w/GT
(*) H114	Cowl point to ground	943 (37.1); 952 (37.5) w/GT 943 (37.1); 944 (37.2) w/GT
(*) H138	Deck point to ground	1003 (39.5); 1017 (40.0) w/GT 1061 (41.8); 1071 (42.2) w/GT
(*) H112	Rocker panel-front to ground	160 (6.3) 165 (6.5)
(*) H111	Rocker panel-rear to ground	156 (6.1)
H122	Windshield slope angle (degrees)	64°
H121	Backlight slope angle (degrees)	66.2° 63.7°

Ground Clearance*

H102	(*) Front bumper to ground	250 (9.8) 233 (9.2)
H104	(*) Rear bumper to ground	300 (11.8) 316 (12.4)
H103	(*) Bumper to ground front at curb mass (wt.)	187 (7.4); 183 (7.2) w/GT 182 (7.17); 178 (7.0) w/GT
H105	(*) Bumper to ground rear at curb mass (wt.)	351 (13.8); 363 (14.3) w/GT 348 (13.7); 360 (14.2) w/GT
H106	(*) Angle of approach (degrees)	15.2°; 15.6° w/GT 15.1°; 14.9° w/GT
H107	(*) Angle of departure (degrees)	16.6°; 17.6 w/GT 16.6°; 17.4° w/GT
H147	Ramp breakover angle (degrees)	
H153	(*) Axle differential to ground (front/rear)	43.3 (1.7) 39.3 (1.5)
H156	(*) Min. running ground clearance	102.6 (4.0) 90.3 (3.6); 85.8 (3.4) w/GT
	(*) Location of min. run. grd. clear.	RH Lt-Off Catalyst; LH Catalyst w/GT X-Brace

* All vehicle height and ground clearances are measured at the Manufacturer's Design Load Weight.
Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load, unless otherwise specified.
All linear dimensions are in millimeters (inches) unless otherwise noted.

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Vehicle Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line.
SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified

Model Code/Description

COBRA COUPE

COBRA CONVERTIBLE

Width

SAE
Ref.
No.

(FOR BASE AND GT MODELS SEE PAGE 22)

Tread (front)	W101	1524 (60.0)	
Tread (rear)	W102	1491 (58.7)	
Vehicle width	W103	1823 (71.8)	
Body width at Sg RP (front)	W117	1749 (68.9)	
Vehicle width (front doors open)	W120		
Vehicle width (rear doors open)	W121		
Tumble-home (degrees)	W122	26°	
Outside mirror width	W410	1963 (77.3)	

Length

Wheelbase	L101	2572 (101.3)	
Vehicle length	L103	4609 (181.5)	
Overhang (front)	L104	1022 (40.2)	
Overhang (rear)	L105	1016 (40.0)	
Upper structure length	L123	2535 (99.8)	2373 (93.4)
Rear wheel C/L "X" coordinate	L127	4193 (165.1)	

Height*

Passenger distribution (front/rear)	PD1,2,3	2/2	
Trunk/cargo load		0	
Vehicle height	H101	1357 (53.4)	1354 (53.3)
Cowl point to ground	H114	952 (37.5)	944 (37.2)
Deck point to ground	H138	1017 (40.0)	1071 (42.2)
Rocker panel-front to ground	H112	160 (6.3)	165 (6.5)
Rocker panel-rear to ground	H111	156 (6.1)	
Windshield slope angle (degrees)	H122	64°	
Backlight slope angle (degrees)	H121	66.2°	63.7°

Ground Clearance*

Front bumper to ground	H102	250 (9.8)	233 (9.2)
Rear bumper to ground	H104	300 (11.8)	316 (12.4)
Bumper to ground front at curb mass (wt.)	H103	183 (7.2)	178 (7.0)
Bumper to ground rear at curb mass (wt.)	H105	363 (14.3)	360 (14.2)
Angle of approach (degrees)	H106	15.6°	14.9°
Angle of departure (degrees)	H107	17.6°	17.4°
Ramp breakover angle (degrees)	H147		
Axle differential to ground (front/rear)	H153		39.3 (1.5)
Min. running ground clearance	H156		85.8 (3.4)
Location of min. run. grd. clear.			X-Brace

* All vehicle height and ground clearances are measured at the Manufacturer's Design Load Weight.
Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load, unless otherwise specified.
All linear dimensions are in millimeters (inches) unless otherwise noted.

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Vehicle Dimensions See Key Sheets for definitions

Model Code/Description

COUPE (BASE; GT)

CONVERTIBLE (BASE; GT)

SAE
Ref.
No.

(FOR COBRA MODELS SEE PAGE 23A)

Front Compartment

(*) SgRP front, "X" coordinate	L31	3050 (41.3)	
(*) Effective head room	H61	969.5 (38.17)	968.7 (38.14)
Max. eff. leg room (accelerator)	L34	1081 (42.6)	
SgRP to heel point	H30	221 (8.7)	
(*) SgRP to heel point	L53	887 (34.9)	
Back angle (degrees)	L40	24°	
Hip angle (degrees)	L42	95.7°	
Knee angle (degrees)	L44	129.2°	
Foot angle (degrees)	L46	87°	
(*) Design H-point front travel	L17	180 (7.1)	
(*) Normal driving & riding seat track trvl.	L23	171 (6.7)	
(*) Shoulder room	W3	1362 (53.6)	
(*) Hip room	W5	1343 (52.9); 1331 (52.4) w/GT	1332 (52.4)
(*) Upper body opening to ground	H50	1198 (47.15); 1208 (47.6) w/GT	1199 (47.22); 1204 (47.4) w/GT
Steering wheel maximum diameter*	W9	381 (15.0)	
Steering wheel angle (degrees)	H18	21°	
Accl. heel pt. to steer. whl. cntr.	H17	538 (21.2)	
Accel. heel pt. to steer. whl. cntr.	H17	606 (23.9)	
Undepressed floor covering thickness	H67		

Rear Compartment

SgRP point couple distance	L50	684 (26.9)	
(*) Effective head room	H63	912 (35.9)	898 (35.4)
(*) Min. effective leg room	L51	770 (30.3)	769 (30.27)
SgRP (second to heel)	H31	276 (10.9)	
(*) Knee clearance	L48	-82 (-3.2); -69.8 (-2.7) w/GT	
(*) Shoulder room	W4	1324 (52.1)	1048 (41.3)
(*) Hip room	W6	1239 (48.8)	1044 (41.1)
Upper body opening to ground	H51		
(*) Back angle (degrees)	L41	24°	22°
(*) Hip angle (degrees)	L43	76.7°	74.7°
(*) Knee angle (degrees)	L45	68.6°	68.5°
(*) Foot angle (degrees)	L47	110.7°	110.6°
Depressed floor covering thickness	H73		

Luggage Compartment

(*) Usable luggage capacity L (cu. ft.)	V1	309 (10.9)	241 (8.5)
(*) Litter height	H195	761 (30.0); 775 (30.5) w/GT	761 (30.0); 773 (30.4) w/GT

Interior Volumes (EPA Classification)

Vehicle class	Subcompact		
Interior volume index including trunk/cargo (cu. ft.)**	93.9		84.5
Trunk/cargo index (cu. ft.)	10.8		8.5

* See page 14.

** See definition page 33.

All linear dimensions are in millimeters (inches) unless otherwise noted.

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Revised (*)

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description

COBRA COUPE

COBRA CONVERTIBLE

Front Compartment	SAE Ref. No.	(FOR BASE AND GT MODELS SEE PAGE 23)	
SgRP front, "X" coordinate	L31	3050 (41.3)	
Effective head room	H61	969.5 (38.17)	968.7 (38.14)
Max. eff. leg room (accelerator)	L34	1081 (42.6)	
SgRP to heel point	H30	221 (8.7)	
SgRP to heel point	L53	887 (34.9)	
Back angle (degrees)	L40	24°	
Hip angle (degrees)	L42	95.7°	
Knee angle (degrees)	L44	129.2°	
Foot angle (degrees)	L46	87°	
Design H-point front travel	L17	180 (7.1)	
Normal driving & riding seat track trvl.	L23	171 (6.7)	
Shoulder room	W3	1362 (53.6)	
Hip room	W5	1343 (52.9)	1332 (52.4)
Upper body opening to ground	H50	1208 (47.6)	1204 (47.4)
Steering wheel maximum diameter*	W9	381 (15.0)	
Steering wheel angle (degrees)	H18	21°	
Accel. heel pt. to steer. whl. cntr	H17	606 (23.9)	
Undepressed floor covering thickness	H67		

Rear Compartment

SgRP point couple distance	L50	684 (26.9)	
Effective head room	H63	912 (35.9)	898 (35.4)
Min. effective leg room	L51	770 (30.3)	769 (30.27)
SgRP (second to heel)	H31	276 (10.9)	
Knee clearance	L48	-69.8 (-2.7)	
Shoulder room	W4	1324 (52.1)	1048 (41.3)
Hip room	W6	1239 (48.8)	1044 (41.1)
Upper body opening to ground	H51		
Back angle (degrees)	L41	24°	22°
Hip angle (degrees)	L43	76.7°	74.7°
Knee angle (degrees)	L45	68.6°	68.5°
Foot angle (degrees)	L47	110.7°	110.6°
Depressed floor covering thickness	H73		

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	309 (10.9)	241 (8.5)
Liftover height	H195	775 (30.5)	773 (30.4)

Interior Volumes (EPA Classification)

Vehicle class	Subcompact		
Interior volume index including trunk/cargo (cu. ft.)**		93.9	84.5
Trunk/cargo index (cu. ft.)		10.8	8.5

* See page 14.

** See definition page 33.

All linear dimensions are in millimeters (inches) unless otherwise noted

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METRIC (U.S. Customary)

Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description

Station Wagon/MPV*

- Third Seat

SAE
Ref.
No.

COUPE

CONVERTIBLE

(NOT APPLICABLE)

Seat facing direction	SD1
SgRP couple distance	L85
Shoulder room	W85
Hip room	W86
Effective leg room	L86
Effective head room	H86
SgRP to heel point	H87
Knee clearance	L87
Back angle (degrees)	L88
Hip angle (degrees)	L89
Knee angle (degrees)	L90
Foot angle (degrees)	L91

Station Wagon/MPV* - Cargo Space (NOT APPLICABLE)

Cargo length (open front)	L200
Cargo length (open second)	L201
Cargo length (closed front)	L202
Cargo length (closed second)	L203
Cargo length at belt (front)	L204
Cargo length at belt (second)	L205
Cargo width (wheelhouse)	W201
Rear opening width at floor	W203
Opening width at belt	W204
Min. rear opening width above belt	W205
Cargo height	H201
Rear opening height	H202
Tailgate to ground height	H250
Front seatback to load floor height	H197
Cargo volume index m ³ (ft. ³)	V2
Hidden cargo volume index m ³ (ft. ³)	V4
Cargo volume index-rear of 2-seat	V10
Cargo volume index*	V6
Cargo width at floor*	W500
Maximum cargo height*	H505

Hatchback - Cargo Space (NOT APPLICABLE)

Cargo length at front seatback height	L208
Cargo length at floor (front)	L209
Cargo length at second seatback height	L210
Cargo length at floor (second)	L211
Front seatback to load floor height	H197
Second seatback to load floor height	H198
Cargo volume index m ³ (ft. ³)	V3
Hidden cargo volume index m ³ (ft. ³)	V4
Cargo volume index-rear of 2-seat	V11

All linear dimensions are in millimeters (inches) unless otherwise noted.
* MPV - Multipurpose Vehicle

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Model Code/
Option

ALL MODELS

Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location
Front(1)	The rear vertical edge of the master control notch on the underside of the front door rocker panels locates the "X" coordinate relative to body grid and is located at the 2315 (91.1) line. (Front Location) X = 2315 (91.1) Y = 823 (32.4) Z = 437 (17.2)
Front(2)	
Rear(1)	(Rear Location) X = 3720 (146.5) Y = 837 (32.9) Z = 438 (17.2)
Rear(2)	
Note: Provide 3 of 4 Fiducial Mark Locations	The intersection of the horizontal-vertical surfaces on the rocker panel door rabbet locates the "Y" and "Z" coordinates relative to body grid at particular fore-aft inch lines. The fore-aft location can be determined by the reference dimension from Fiducial Mark 1 and 2.
Front	W21** 823 (32.4)
	L54** 2315 (91.1)
	H81** 437 (17.2)
	H161** —
	H163** —
Rear	W22** 837 (32.9)
	L55** 3720 (146.5)
	H82** 438 (17.2)
	H162** —
	H164** —

* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks.
 ** Reference - SAE Recommended Practice, J1100 - Motor Vehicle Dimensions.
 dimensions are in millimeters (inches) unless otherwise noted.

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		Vehicle Mass (weight)				% PASS MASS DISTRIBUTION				
Code	Model	CURB MASS, kg (lb) *			SHIPPING MASS kg(lb) ***	ETWC ** Code	Pass in Front		Pass in Rear	
		Front	Rear	Total			Front	Rear	Front	Rear
3.8L Engine — Code 994										
5-Spd. Man. Trans. — Code 445										
994/445	63 (BJ)	790	600	1390	1333	T	45	55	19	81
Mustang Model		(1743)	(1322)	(3065)	(2940)					
2-Door Coupe										
994/445	76 (BH)	822	650	1472	1415	U	45	55	19	81
Mustang Model		(1813)	(1432)	(3245)	(3120)					
2-Door Convertible										
3.8L Engine — Code 994										
4-Spd. Auto. Trans. — Code 44P										
994/44P	63 (BJ)	810	607	1417	1360	U	45	55	19	81
Mustang Model		(1785)	(1339)	(3124)	(2999)					
2-Door Coupe										
994/44P	76 (BH)	842	656	1498	1441	V	45	55	19	81
Mustang Model		(1855)	(1447)	(3302)	(3177)					
2-Door Convertible										
5.0L HO+ Engine — Code 99T/										
5-Spd. Man. Trans. — Code 445										
99T/445	63 (BJ)	850	636	1486	1428	V	45	55	19	81
Mustang GT Model		(1875)	(1401)	(3276)	(3148)					
2-Door Coupe										
99T/445	76 (BH)	881	685	1566	1508	W	45	55	19	81
Mustang GT Model		(1943)	(1509)	(3452)	(3324)					
2-Door Convertible										

* Reference — SAE J1100 Motor vehicle dimensions, curb weight definition

** ETWC — Equivalent Test Weight Class — basis for U.S. Environmental Protection Agency emission certifications.
Refer to ETWC code legend below for test weight class.

ETWC LEGEND

A = 1000	I = 2000	Q = 3000	Y = 4000
B = 1125	J = 2125	R = 3125	Z = 4250
C = 1250	K = 2250	S = 3250	AA = 4500
D = 1375	L = 2375	T = 3375	BB = 4750
E = 1500	M = 2500	U = 3500	CC = 5000
F = 1625	N = 2625	V = 3625	DD = 5250
G = 1750	O = 2750	W = 3750	EE = 5500
H = 1875	P = 2875	X = 3875	FF = 5750

***Shipping Mass (weight) = Curb Weight Less

57 (125) w/3.8L Engine

58 (128) w/5.0L HO+ and SHP Engines

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Optional Equipment Differential Mass (weight)*

Code		Equipment	MASS, kg. (lb.)			Remarks Restrictions, Requirements
			Front	Rear	Total	
Wheels:						
(*)	64J	Wheels, Cast Aluminum, 15" x 7"	-5.3	-5.3	-10.6	Avail. Mustang Models Only;
(*)			(-11.7)	(-11.7)	(-23.4)	Incl. Standard P205/65R15 Tires
(*)	64H	Wheels, Cast Aluminum, 17" x 7.5"	4.08	4.08	8.16	Avail. Mustang GT Models Only;
(*)			(9)	(9)	(18)	Incl. P245/45ZR17 Tires
Brakes:						
	552	Anti-Lock Brake System (ABS)	4.27	3.78	8.05	Included in Preferred Equipment
			(9.42)	(8.33)	(17.75)	Package (PEP) w/GT
Air Conditioning:						
	572	with Manual Temp. Control	14.8	-1.4	13.4	
		& 3.8L Engine	(32.7)	(-3.1)	(29.6)	
	572	with Manual Temp. Control	15.2	-1.5	13.7	
		& 5.0L Engine.	(33.5)	(-3.4)	(30.1)	
Radio Systems:						
	—	Electronic AM/FM Stereo w/Cass. &	1.39	0.7	2.09	
		Premium Sound w/ Coupe	(3.07)	(1.54)	(4.61)	
	—	Electronic AM/FM Stereo w/Cass. &	1.78	0.89	2.67	
		Premium Sound w/ Convertible	(3.93)	(1.96)	(5.89)	
	586	Mach 460 Premium AM/FM Stereo	11.3	5.66	16.96	
		& Cassette w/ Coupe	(24.97)	(12.48)	(37.45)	
	586	Mach 460 Premium AM/FM Stereo	5.85	2.92	8.77	
		& Cassette w/ Convertible	(12.89)	(6.45)	(19.34)	
Miscellaneous Options:						
	57Q	Defroster, Rear Window	0.07	0.02	0.09	
			(0.16)	(0.04)	(0.20)	
	61A	Power Equipment Group	4.08	2.27	6.35	Incl. Dual Electric Exterior Mirrors,
			(9)	(5)	(14)	Pwr. Side Windows & Pwr. Door Locks

* Also see Engine - General Section for dressed engine mass (weight).