

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1995

95-98

Manufacturer FORD MOTOR COMPANY	Vehicle Line FORD MUSTANG	
Mailing Address P.O. BOX 2053 DEARBORN, MICHIGAN 48121	Issued JULY 1, 1994	Revised MARCH 24, 1995

Direct questions concerning these specifications to the manufacturer listed above.

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The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.



Motor Vehicle Manufacturers Association
of the United States, Inc.

Forms Provided by Technical Affairs Division

MVMA Specifications

METRIC (U.S. Customary)

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NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995 Issued 7/1/94 Revised (*) 3/24/95

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	9/29/94				
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	9/29/94				
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)	
(*) MUSTANG - 1995 1/2 COBRA R MODEL					
2-Door Coupe		63 (BJ)	2/2	45.4 (100)	
(*) MUSTANG GTS SERIES					
(Option Package for Mustang GT; See Page 27 for Package Content)		63 (BJ)	2/2	45.4 (100)	

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

Power Teams

Model Year 1995

Issued 7/1/94

Revised (+) 3/24/95

		A	B	C	D	
E N G I N E	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	
T R A N S	Transmission/ Transaxle	5-Spd. Man. T50D Transmission	4-Spd. Auto. AODE Transmission	5-Spd. Man. T50D Transmission	4-Spd. Auto. AODE Transmission	
	Effective Final Drive/ Aide Ratio (std. first)	2.73	2.73	2.73T, 3.08T	2.73T, 3.27T	

T50D — 5-Speed Manual Overdrive
AODE — 4-Speed Automatic Overdrive

TSOD → 5-Speed Manual Overdrive
AOOE → 4-Speed Electronic Automatic Overdrive
T → Traction-Lok Included

Series Availability		Power Teams (A - B - C - D - E)	
Model	Code	Standard	Optional
Mustang 2-Door Coupe	63 (BJ)	A	B
Mustang 2-Door Convertible	76 (BH)	A	B
Mustang GT 5.0L 2-Door Coupe	63 (BJ)	C	D
Mustang GT 5.0L 2-Door Convertible	76 (BH)	C	D
Mustang Cobra 2-Door Coupe	63 (BJ)	E (1)	N/A
Mustang Cobra 2-Door Convertible	76 (BH)	E (1)	N/A
(*) Mustang Cobra R 2-Door Coupe	63 (BJ)	F (1)	N/A

(1) See Page 2A for Specifications

Power Teams

Model Year 1995 Issued 7/1/94 Revised (*) 3/24/95

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	F			
(•)	E N G I N E	Engine Code	VY	99C			
(•)		Displacement Liters (In ³)	5.0 (302) SHP	5.8 (351) SHP			
(•)		Induction System (FI, Carb, etc.)	Sequential Electronic Port Fuel Injection	Sequential Electronic Port Fuel Injection			
(•)		Compression Ratio	9.0:1	9.0:1			
(•)		SAE Net at RPM	Power kW (bhp)	179 (240) • 4800	224 (300) • 4800		
(•)			Torque N•m (lb. ft.)	386 (285) • 4000	495 (365) • 3750		
(•)		Exhaust single, dual	Dual	Dual			
(•)	T R A N S	Transmission/ Transaxle	5-Spd. Man. TSOD Transmission	5-Spd. Man. TR-3550 Transmission			
(•)		Effective Final Drive/ Axle Ratio (std. first)	3.08	3.27			

T50D — 5-Speed Manual Overdrive

(*) (For Power Teams E and F Availability See Page 2)

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MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

Revised (*)

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 and 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)
--	--

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 1995 Issued 7/1/94 Revised (*) 3/24/95

METRIC (U.S. Customary)

- (*) Engine Description
Engine Code

5.0L

5.8L

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)	88.9 (3.50)
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)	236.6 (9.50)
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)	59 - 63.6	
Cylinder liner material	N / A	
(*) Head gasket thickness (compressed)	1.19 (0.047)	81.9 (5.0)
Minimum combustion chamber total volume cm ³ (inches ³)	70.2	
Cyl. no. system (front to rear)*	L Bank	5, 6, 7, 8
	R Bank	1, 2, 3, 4
Firing order	1, 3, 7, 2, 8, 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)	236 (520)

Engine - Pistons

(*) Material & mass, g (weight, oz.) - piston only	Cast Aluminum Alloy, 565 (19.89)	Hyperutectic 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)	SAE J431 Flame Hardened
Drive type	Chain/belt	Chain, Silent - Inverted Tooth
	Width/pitch	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

MVMA Specifications

Vehicle Line MUSTANGModel Year 1995Issued 7/1/94

Revised (+)

METRIC (U.S. Customary)

Engine Description
Engine Code

3.8L

Engine - Valve System

Hydraulic lifters (std., opt., n.s.)	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.)	4.3 (4.5) Plus 0.47 (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

Vehicle Line MUSTANG

Model Year 1995 Issued 7/1/94 Revised (*) _____

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	3/8	
	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.

MVMA Specifications

Vehicle Line MUSTANGModel Year 1995 Issued 3/24/95 Revised (*)

METRIC (U.S. Customary)

Engine Description
Engine Code

5.8L w/COBRA R

Engine - Valve System

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

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	SAE 1041 Forged Steel, 0.56 (1.23)
Length (axes C/L to C/L)	148.3 (5.96)

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		21.0 (0.825) & 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.)	5.7 (6.0) Plus 0.66 (0.7) 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

Vehicle Line MUSTANG

Model Year 1995 Issued 7/1/94 Revised (*)

METRIC (U.S. Customary)

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 (wgt., 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)
	Fins per inch 70 (FPDM)
Radiator end tank material	33% Glass Filled Nylon
Fan	Std., elec., opt. Electric Driven
	Number of blades & type (flex, solid, material) Nine Blade Nylon Ring
	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

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995 Issued 7/1/94 Revised (*) 3/24/95

METRIC (U.S. Customary)

(*) Engine Description
Engine Code

5.0L

5.8L w/COBRA R

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)

92 (180)

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)

14.2 (15.0)

With air conditioner - L(qt.)

13.2 (13.96)

N / A

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)

Vacuum Brazed Aluminum 5.4 (11.9)

Width

609.5 (24.0)

622 (24.5)

Height

378 (14.9)

467 (18.4)

Thickness

25.9 (1.0)

56.4 (2.22)

Fins per inch

70 (FPDM)

55 (FPDM) (14 FPI)

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) 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.)

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

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Model Year 1995

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Revised (*)

METRIC (U.S. Customary)

Engine Description
Engine 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	
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 propene 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 LH Rear, Bolt at Front of Tank and RH Rear	
Material & Mass kg (weight lbs.)		Steel (NI / Tens Plate) and 9.1 (20.0)	
Filter 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.e.	N / A	
	Capacity L (gallons)	—	
	Location & material	—	
	Attachment	—	
Auxiliary tank	Opt., n.e.	N / A	
	Capacity L (gallons)	—	
	Location & material	—	
	Attachment	—	
	Selector switch or valve	—	
	Separate fill	—	

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995

Issued 3/24/95

Revised ()

METRIC (U.S. Customary)

Engine Description
Engine Code

5.8L w/COBRA R

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
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 (8)
	Constant, pulse, flow	Timed Pulse
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	275.8 - 413.7 (40 - 60)
Idle spd.-rpm (spec. neutral or drive and propene if used)	Manual	675 (Neutral) Non-Adj.
	Automatic	N / A
Intake manifold heat control (exhaust or water thermostatic or fixed)		None
Air cleaner type		Conical, Wetted Media, Replaceable Element
Fuel filter (type/location)		FG-800A, Below Vehicle Near Fuel Tank
Fuel Pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel Tank
	Pressure range kPa (psi)	206.9 - 275.8 (30 - 40)
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	120 (31.7) /Hr @ 310 (45)

Fuel Tank

Capacity refill L (gallons)		75.7 (20.0)
Location (describe)		Behind Rear Axle
Attachment		Two Straps, Pin and Loop at LH Rear, Bolt at Front of Tank and RH Rear
Material & Mass kg (weight lbs.)		Aluminum Shell w/Polyurethane, Rubber and Nylon Bladder
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	—

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995 Issued 7/1/94 Revised (*)

METRIC (U.S. Customary)

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

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

Revised (*) 3/24/95

METRIC (U.S. Customary)

(*) Engine Description
Engine Code

5.0L

5.8L w/COBRA R

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 ²)	
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 - 9.4 (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 1.2 - 1.35 (2.25 x 0.047 - 0.053)
	Material & Mass kg (weight lbs)	409 Stainless Steel
Tail pipe	o.d. & wall thickness	57.2 x 1.3 - 1.45 (2.25 x 0.051 - 0.057)
	Material & Mass kg (weight lbs)	409 Stainless Steel with Bright 309 Stainless Steel Outlets

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995 Issued 7/1/94 Revised (*)

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 / USA)
Manual 6-speed (manufacturer/country)	N / A
Automatic (manufacturer/country)	N / A
Automatic overdrive (manufacturer/country)	Optional, 4-Speed (Ford / USA)

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 and 40.87 (90.1)
Lubricant	Capacity L (pt.)	2.6 (5.6)
	Type recommended	Dexron IIE (90% By Volume) Plus Lubrizol (10% 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 (30)
	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-Plate, Springs and Friction Material

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

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

Revised (*) 3/24/95

METRIC (U.S. Customary)

- (*) Engine Description
Engine Code

5.0L

5.8L w/COBRA R

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

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

Manual Transmission/Transaxle

Number of forward speeds		Five	
(*)	1st	3.35	3.27
(*)	2nd	1.99	1.98
(*)	3rd	1.33	1.34
Gear ratios	4th	1.00	
	5th	0.68	
	6th	---	
(*)	Reverse	3.15	3.00
Synchronous meshing (specify gears)		All Forward Gears	
Shift lever location		Floor	
(*)	Trans. case matl. & mass kg (lbs)*	Aluminum and 40.87 (90.1)	Aluminum and 44.0 (97.0)
(*)	Lubricant	Capacity L (pt.)	2.6 (5.6)
(*)		Type recommended	Dexron IIE (90% By Volume)
			Synchromesh Transmission Fluid
			Plus Lubrizol (10 % By Volume)
			(Part No. 12345349 - GM)

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	125 (28)
	Released	148 (33)
Assist (spring, power/percent, nominal)		No
Type pressure plate springs		Belleville Springs
(*)	Total spring load (nominal) N (lbs)	8795 (1977)
		10000 (2248)
Clutch facing	Facing mfg. & material coding	Valeo F-202
	Facing material & construction	Woven Non-Asbestos
	Rivets per facing	9
	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/ty wheel side)	3.6 (0.14) / 3.6 (0.14)
	Rivet depth (pressure plate side/ty wheel side)	2.0 (0.079) / 2.0 (0.079)
Engagement cushion method		Segmented
Release bearing type & method lub.		Self-Centering, Angular Contact, Constant Running, Prepacked
Torsional damping method, springs, hysteresis		Single-Stage, Springs and Friction Material

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

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995 Issued 7/1/94 Revised (*)

METRIC (U.S. Customary)

Engine Description
Engine Code

3.8L	5.0L
2.73:1 Axle	2.73:1 Axle 3.08:1 Axle 3.27:1 A

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 (O/D Push Button Lockout Switch Located in Console)			
	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)		
Carrier differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	
	Torque split (% front/rear)	

* Input speed = $\sqrt{\text{torque}}$

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

MVMA Specifications

Vehicle Line **MUSTANG**

Model Year **1995** Issued **7/1/94** Revised (*)

METRIC (U.S. Customary)

Engine Description
Engine Code

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)	223.5 (8.8)	223.5 (8.8)	223.5 (8.9)
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 Plate
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	WSP-M2C 197-A, SAE 80 W 90, GL-5	WSP-M2C 197-A, SAE 80 W 90, GL-5 (a)

(a) Add 2 oz. M2C 196-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 mfg. 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

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995

Issued 3/24/95

Revised (*)

METRIC (S. Customary)

Engine Description
Engine Code

5.8L w/COBRA R

Axle Ratio and Tooth Combinations

(See "Power Teams" for axle ratio usage)

Axle ratio (or overall top gear ratio)		3.27:1
Ring gear o.d.		223.5 (8.8)
No. of teeth	Pinion	11
	Ring gear	36

Rear Axle Unit

Description		Semi-Floating Type with Cast Center and Overhung Pinion
Limited slip differential (type)		Friction Plate
Drive Pinion	Type	Hypoid
	Offset	38.1 (1.5)
No. of differential pinions		Two
Pinion / differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Collapseable Spacer, Shim
Driving wheel bearing (type)		Straight Roller
Lubricant	Capacity L (pt.)	2.25 - 2.37 (4.75 - 5.00)
	Type recommended	WSP-M2C 192-A, SAE 70 W 140 Synthetic, Add 5 oz. N12C-196-A Friction Modifier

Propeller Shaft — Rear Wheel Drive

Manufacturer			Ford Straight Tube
Type (straight tube, tube-in-tube, internal-external damper, etc.)			
Outer diam. x length* x wall thickness	Manual 4-speed transmission		N / A
	Manual 5-speed transmission		76.2 x 1178 x 2.11 (3.00 x 46.4 x .08)
	Manual 6-speed transmission		N / A
	Overdrive		N / A
	Automatic Transmission		N / A
Intermediate bearing	Type (plain, anti-friction)		N / A
	Lubrication (fitting, prepack)		N / A
Slip yoke	Type		Plain
	Number of teeth		28
	Spline o.d.		38.05 (1.498)
Universal joints	Make and mfg. no.	Front	Ford 1330
		Rear	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

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

Revised (*)

MUSTANG MODELS EXCEPT GT AND COBRA

Suspension - General Including Electronic Controls (SEE PAGE 11A FOR GT, 11B FOR COBRA AND 11C FOR COBRA R)

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 Lateral acceleration	—
	n Deceleration	—
Shock absorber (front & rear)	s Acceleration	—
	s Road surface	—
	Type	Strut — Front / Shock — Rear, Nitrogen Gas-Pressurized Hydraulic
	Make	Monroe Automotive
Shock absorber (front & rear)	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)	90.9 (3.58)
	Full rebound	90.7 (3.57)
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)	254 (10.0) and 89.0 (3.50)
	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 & 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)	220 (8.7) and 102 (4.02)
	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 1995 Issued 7/1/94 Revised (*)

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 levelling	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 camping controls	Standard/option/not avail.	N / A
	Manual/automatic control	—
	Number of damping rates	—
	Type of actuation (manual/ electric motor/air, etc.)	—
	s Lateral acceleration	—
	n Deceleration	—
Shock absorber (front & rear)	s Acceleration	—
	r Road surface	—
	Type	Front Struts / Vert. Rear Shocks, Nitrogen Gas-Pressurized Hydraulic; Horizontal Rear Dampers
	Make	Front Struts / Rear Shocks — Monroe Automotive; Rear Dampers — Arvin
	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; 244 (9.6) and 89.0 (3.5)
	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; 220 (8.7) & 102 (4.02)
	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	N / A
		Shackle (comp. or tens.)	N / A
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-3.84 (0.151) Wall Thickness
Track bar (type)			None

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995

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METRIC (U.S. Customary)

(*) Model Code/Description And/Or
Engine Code/Description

**MUSTANG COBRA MODELS EXCEPT COBRA R WITH AXLE DAMPER
REAR SUSPENSION**

(*) Suspension - General Including Electronic Controls (SEE PAGE 11C FOR COBRA R)

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	—
Shock absorber damping controls	Provision for jacking	—
	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	—
Shock absorber (front & rear)	Deceleration	—
	Acceleration	—
	Road surface	—
	Type	Front Struts / Vert. Rear Shocks, Nitrogen Gas-Pressurized Hydraulic; Horizontal Rear Dampers
	Make	Front Struts / Rear Shocks — Monroe Automotive; Rear Dampers — Gabriel
Shock absorber (front & rear)	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	N / A
Stabilizer	Shackle (comp. or tens.)	N / A
	Type (link, linkless, frameless)	Linkless
Track bar (type)	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
		None

MVMA Specifications

Vehicle Line - MUSTANG

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METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

MUSTANG COBRA R 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.		Standard
	Manual/automatic control		Manual
	Number of damping rates		Infinitely Adjustable
	Type of actuation (manual/ electric motor/air, etc.)		Manual
	s e n s o r s	Lateral acceleration	N / A
		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 — Koni Adjustable; Rear Dampers — Gabriel	
	Piston diameter	Front 55.8 (2.19) / Rear 41.12 (1.61); Damper 25.4 (1.00)	
	Rod diameter	Front 16 (0.63) / Rear 11.75 (0.46); 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)	Variable Rate Coil & SAE 5160H 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.)]	123 — 149 (700 — 850)
	Rate at wheel [N/mm (lb./in.)]	36.3 — 39.4 (207 — 225)
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 (0.19) 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.)]	35.0 — 45.5 (200 — 260)					
	Rate at wheel [N/mm (lb./in.)]	17.7 — 22.8 (100 — 130)					
	Insulators (type & material)	Lower Disc (Rubber) and Upper Disc (Rubber)					
	<table> <tr> <td>if leaf</td><td>No. of leaves</td><td>N / A</td></tr> <tr> <td></td><td>Shackle (comp. or tens.)</td><td>N / A</td></tr> </table>	if leaf	No. of leaves	N / A		Shackle (comp. or tens.)	N / A
if leaf	No. of leaves	N / A					
	Shackle (comp. or tens.)	N / A					
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

METRIC (U.S. Customary)

Vehicle Line MUSTANG

Model Year 1995

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Revised (*) 3/24/95

(*) Model Code/Description And/Or
Engine Code/Description

ALL MODELS EXCEPT COBRA COBRA AND COBRA R MODELS
AND COBRA R

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)*			198 (30.71) / 107 (16.6)	212.8 (33.0) / 107 (16.6)	
Gross Lining area cm ² (in. ²)*(F/R)			204.6 (31.7) / 107 (16.6)	216.9 (33.6) / 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 (11.65)	
	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			66 (2.6) – Front / 38 (1.5) – Rear	38 (1.5) – 2 Cal. Front / 38 (1.5) – 2 Cal. Rear	
Master cylinder	Bore/stroke	F/R	27 (1.06) / 36.7 (1.44)	23.8 (0.94)/ 36.7 (1.44)	
Pedal arc ratio			3.5:1	3.5:1 (4.41:1 for Cobra R)	
Line pressure at 445 N(100 lb.)pedal load (kPa (psi))			8585 (1245)	11029 (1600)	
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)
		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 1.8 x 0.4)
		Shoe thickness (no lining)		6.35 (0.25)	5.5 (0.22)
	Rear wheel	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

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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)	207 (30)
		Rear kPa (psi)	240 (35)	207 (30)
	Rev./mile-at 70 km/h (45 mph)		810	812
Wheels	Type & material		Stamped Steel	Aluminum, 5-Spoke, 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)	
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	
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 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)		—

MVMA Specifications

Vehicle Line MUSTANG

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Issued 7/1/94

Revised (*) 3/24/95

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

MUSTANG COBRA MODELS

MUSTANG COBRA R 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)		802 811
(*)	Type & material		Aluminum, Painted Spider Aluminum, Squeezed Cast
(*)	Rim (size & flange type)		(17" x 8.0") (17" x 9.0")
(*)	Wheel offset		30 (1.18) 24 (0.945)
Wheels	Attachment	Type (bolt or stud & nut)	Stud
		Circle diameter	(4.5)
		Number & size	Five — 12.7 (0.50) — 20 THD
Spare	Tire and wheel		T155/70R17, 415 KPa (60 PSI), Aluminum Wheel 431.8 x 101.6 (17" x 4"), Temporal Spare (High Pressure)
	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 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)	—

MVMA Specifications

Vehicle Line MUSTANG

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METRIC (U.S. Customary)

(*) Model Code/Description And/Or
Engine Code/Description

MUSTANG MODELS

MUSTANG GT, COBRA AND COBRA R 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.)			
Scrib 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*/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.

MVMA Specifications

Vehicle Line MUSTANG

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METRIC (U.S. Customary)

- (*) Model Code/Description And/or
Engine Code/Description

MUSTANG MODEL EXCEPT COBRA AND COBRA R	MUSTANG COBRA AND COBRA R MODELS
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Wheel Alignment

(*)	Service checking	Caster (deg.)	$+3.6^{\circ} \pm 0.75^{\circ}$ (a)	3.9
		Camber (deg.)	$-0.6^{\circ} \pm 0.75^{\circ}$ (a)	$-0.6^{\circ} \pm 0.75^{\circ}$ (-2.5 for Cobra R) (a)
		Toe-in outside track-mm (in.)	$+3.0 \pm 3.0$ ($+0.12 \pm 0.12$) (b)	0.0 ± 0.12
	Service reset*	Caster (deg.)	Factory Set and Cannot Be Adjusted	
		Camber (deg.)	$-0.6^{\circ} \pm 0.75^{\circ}$ (a)	
		Toe-in - mm (in.)	$+3.0 \pm 3.0$ ($+0.12 \pm 0.12$) (b)	0.0 ± 0.12
	Periodic M.V. inspection	Caster (deg.)	$+3.6^{\circ} \pm 0.75^{\circ}$ (a)	3.9
		Camber (deg.)	$-0.6^{\circ} \pm 0.75^{\circ}$ (a)	
		Toe-in - mm (in.)	$+3.0 \pm 3.0$ ($+0.12 \pm 0.12$) (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	
		Toe-in - mm (in.)	N / A	
	Periodic M.V. inspection	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 $\pm 0.75^{\circ}$

(b) Steering Wheel Must be Within $\pm 3.0^{\circ}$ of -0.75° (Counter-Clockwise) After Toe Setting

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	Standard	275 KPH / 160 MPH
	Trip odometer (std., opt., n.a.)	Standard	
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)	N / A	
Windshield wiper	Type (standard)	Two-Speed Electric Column-Mounted Control, Interval Wipe, Standard	
	Type (optional)	N / A	
	Blade length	500 (20)	
	Swept area cm ² (in. ²)	6381 (989)	
Windshield washer	Type (standard)	Electric Pump (Impeller Type), Standard	
	Type (optional)	N / A	
	Fluid level indicator (light, audible)	N / A	
Rear window wiper, wiper/washer (std., opt., n.a.)		N / A	
Horn	Type	Air Electric	
	Number used	Two Standard — 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 with GT Model

MVMA Specifications

Vehicle Line MUSTANG

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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 Instrument Cluster)
- Air Bag Readiness Light
- Anti-Lock Brake System, Warning Light
- Overdrive "Off" Indicator Light

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

Revised (*)

METRIC (U.S. Customary)

Engine 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

METRIC (U.S. Customary)

Vehicle Line MUSTANG

Model Year 1995 Issued 7/1/94 Revised (*) 3/24/95

(*) Engine Code/Description

MUSTANG GT AND COBRA MODELS/5.0L AND 5.8L w/COBRA R

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
Alternator	Location	Left-Hand Front of Engine Compartment
	Manufacturer	Ford (EFHD Rawsonville)
	Rating (idle/max. rpm)	130 Amp Max.
	Ratio (alt. crank/rev.)	2.97:1
	Output at idle (rpm, park)	
Regulator	Optional (type & rating)	N / A
	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 (E9SF-11000-BA)
	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	2.5 - 6.5
(*) Spark plug	Manufacturer		Motorcraft
	Model		ASF-42C (AWSF-32C for 5.8L)
	Thread (mm)		14
	Tightening torque N-m (lb.-ft)		7 - 14 (5 - 10)
	Gap		1.37 (0.054)
Distributor	Number per cylinder		One
	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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MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995 Issued 7/1/94 Revised (*) 3/24/95

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); Fiberglass for Cobra R
	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 Except Convertible; Convertible — Mechanical Drive (Single Arm)
(*) Seat cushion type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket, Stamped Frame — Coil Springs and Flexolator-Foam Pad (a)
	Rear	Bench, Integral Frame and Foam Pad Assembly (N / A with Cobra R)
	3rd seat	None
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket, Stamped Frame — Foam Pad (a)
	Rear	Bench, Frm. 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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MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995

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Revised (*) 3/24/95

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 with Cobra R)	N / A	Type 2: 3-Point Lap and Shoulder Belt, Standard (N / A with Cobra R)
	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) Quarter 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) Quarter	Tempered / 4.7 (0.19) Door 4.7 (0.19) Quarter
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)	

MVMA Specifications

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Model Year 1995

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Revised (*) 3/24/95

METRIC (U.S. Customary)

Engine Code/Description

ALL MODELS

Climate Control System

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

Optional, Manual Temperature Control (N / A with Cobra R)

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	1.47:1 with 3.8L; 1.44:1 with 5.0L
Accumulator	Type	Domed
	Height (mm.)	178
	Diameter (mm.)	89
Receiver	Type	N / A
	Height (mm.)	—
	Diameter (mm.)	—
Refrigerant control (CCOT, TVS, etc.)		CCOT
Heater 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

MVMA Specifications

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Revised (+) 3/24/95

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); N / A with Cobra R
	Diagnostic monitor (integrated, individual)	N / A
	Instrument cluster (list instruments)	N / A
(*)	Keyless entry	Optional, Remote: Lock, Unlock, Panic, and Trunk; N / A with Cobra R
Electronic	Trip/finder (avg. spd., fuel)	N / A
	Voice alert (list items)	N / A
	Other	
	Fuel door lock (remote, key, electric)	N / A
	Auto head on / off delay, dimming	N / A
	Cornering	N / A
	Courtesy (map, reading)	Standard Comb. Dome/Map Light (Integral with Interior Mirror - Convertible.)
(*)	Door lock, ignition	N / A
	Engine compartment	Standard; N / A with Cobra R
Lamps	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 with Remote Keyless Entry Option); N / A with Cobra R
	Other	
	Day / night (auto., man.)	Standard, Manual (Integral with Map Light on Convertible)
Mirrors	L.H. (remote, power, heated)	Standard, Power Remote
	R.H. (convex, remote, power, heated)	Standard, Convex, Power Remote
(*)	Visor vanity (RH/LH, illuminated)	Optional, RH/LH Illuminated, Standard with Convertible, GT and Cobra; N / A with Cobra R
	Navigation system (describe)	N / A
	Parking brake-auto release (warning light)	N / A

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Revised (*) 3/24/95

METRIC (U.S. Customary)

Model Code/Description

ALL MODELS

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

	Deck lid (release, pull down)	Standard with Convertible, Cobra and GT, Pull Lever - Push Button Release
(*)	Door locks (manual, automatic, describe system)	Optional Power Door Locks (Part of Power Equipment Group); Standard with Convertible, Cobra and GT; N / A with Cobra R
(*)	Power equipment Seats	2 - 4 - 6 way, etc.
		Reclining (R.H., L.H.)
		Memory (R.H., L.H., preset recline)
		Support (lumber, hip, thigh, etc.)
		Heated (R.H., L.H., other)
(*)	Side windows	Opt. (Std. with Convertible, Cobra and GT), Driver Side Express Down; N/A with Cobra R
	Vent windows	N / A
	Rear windows	
(*)	Antenna (location, whip, w/shield, power)	Standard, Whip - Right Front Fender; N / A with Cobra R
(*)	Standard	Electronic AM/FM Stereo 24 Watt Output; N / A with Cobra R
(*)	Optional	— Electronic AM/FM Stereo with Cassette (24 Watts); N / A with Cobra R
(*)		— Electronic AM/FM Stereo with Cassette and Premium Sound (80 Watts) (a); N / A with Cobra R
(*)		— Mach 460 Premium AM / FM Stereo with Cassette (Includes Four 5.5" x 7.5" Subwoofer (Except Convertible, Includes Two 5.5" x 7.5" Front and Two 5.25" Rear Subwoofers) and Four 2.5" Diameter Mid-Range Tweeter Speakers (a) (b); N / A with Cobra R
(*)		— Compact Disc Player System (Requires Opt. AM / FM with Cassette and Premium Sound or Mach 460 System) (b); N / A with Cobra R
(*)	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); Opt. Prem. Speakers with Prem. Sound
	Roof: open air or fixed (flip-up, sliding, T ¹)	N / A
(*)	Speed control device	Optional (Standard with Cobra); N / A with Cobra R
	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 with Cobra); N / A with Cobra R
		(a) Inc. Premium Quality Speakers
		(b) Mach 460 and Audio Disc Systems Available with 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 / N/A
Max. trailer tongue load (lbs.)	Std/Opt	100 / N/A
Towing package available	Yes/No	No

* Class I - 2,000 lbs.

Class II - 3,500 lbs.

Class III - 5,000 lbs.

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

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METRIC (U.S. Customary)

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	SAE Ref. No.	COUPE (BASE and GT)	CONVERTIBLE (BASE and GT)
Width		(FOR COBRA MODELS SEE PAGE 22A)	
Tread (front)	W101	1537 (60.5); 1527 (60.1) w/GT	
Tread (rear)	W102	1502 (59.2); 1490 (58.7) w/GT	
Vehicle width	W103	1823 (71.8)	
Body width at Sq RP (front)	W117	1749 (68.9)	
Vehicle width (front doors open)	W120		
Vehicle width (rear doors open)	W121		
Turn-in angle (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)	2470 (97.2)
Rear wheel C/L "X" coordinate	L127	4193 (86.4)	

Height*

Passenger distribution (front/rear)	PD1.2.3	2 / 2	
Trunk/cargo load		0	
Vehicle height	H101	1346 (53.0); 1355 (53.4) w/GT	1351 (53.2); 1354 (53.3) w/GT
Cowl point to ground	H114	948 (37.3); 949 (37.3) w/GT	949 (37.3); 944 (37.2) w/GT
Deck point to ground	H138	1003 (39.5); 1017 (40.0) w/GT	1016 (40.0); 1024 (40.3) w/GT
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	66.3°	62.9°

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	187 (7.4); 183 (7.2) w/GT	182 (7.17); 178 (7.0) w/GT
Bumper to ground rear at curb mass (wt.)	H105	351 (13.8); 363 (14.3) w/GT	348 (13.7); 360 (14.2) w/GT
Angle of approach (degrees)	H106	15.9°; 15.3° w/GT	15.7°; 15.0° w/GT
Angle of departure (degrees)	H107	16.2°; 19.9° w/GT	16.7°; 19.7° w/GT
Ramp breakover angle (degrees)	H147		
Axle differential to ground (front/rear)	H153	43.3 (1.7)	39.3 (1.5)
Min. running ground clearance	H156	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.

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

Revised (*)

METRIC (U.S. Customary)

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

SAE
Ref.
No.

(FOR BASE AND GT MODELS SEE PAGE 22)

Width

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	
Turn-in-home (degrees)	W122	26°
Outside mirror width	W410	1963 (77.3)

Length

Wheelbase	L101	2572 (101.3)	
Vehicle length	L103	4628 (182.2)	
Overhang (front)	L104	1040 (41.0)	
Overhang (rear)	L105	1016 (40.0)	
Upper structure length	L123	2535 (99.8)	2470 (97.2)
Rear wheel C/L "X" coordinate	L127	4193 (86.4)	

Height*

Passenger distribution (front/rear)	PD1,2,3	2 / 2	
Trunk/cargo load		0	
Vehicle height	H101	1357 (53.4)	1355 (53.3)
Cowl point to ground	H114	952 (37.5)	947 (37.3)
Deck point to ground	H138	1017 (40.0)	1024 (40.3)
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	66.3°	62.9°

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	15.2°	14.9°
Angle of departure (degrees)	H107	19.9°	19.6°
Ramp breakover angle (degrees)	H147		
Axle differential to ground (front/rear)	H153		39.3 (1.5)
Min. running ground clearance	H158		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.

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995 Issued 3/24/95 Revised (*)

METRIC (U.S. Customary)

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 R COUPE

Width

SAE
Ref.
No.

Tread (front)	W101	1536 (60.5)
Tread (rear)	W102	1503 (59.2)
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	4628 (182.2)
Overhang (front)	L104	1040 (41.0)
Overhang (rear)	L105	1016 (40.0)
Upper structure length	L123	2535 (99.8)
Rear wheel C/L "X" coordinate	L127	4193 (86.4)

Height* (a)

Passenger distribution (front/rear)	PD1,2,3	2 / 0
Trunk/cargo load		0
Vehicle height	H101	1340 (52.7)
Cowl point to ground	H114	935 (36.8)
Deck point to ground	H138	1040 (40.9)
Rocker panel-front to ground	H112	178 (7.0)
Rocker panel-rear to ground	H111	203 (7.9)
Windshield slope angle (degrees)	H122	64°
Backlight slope angle (degrees)	H121	66.3°

Ground Clearance* (a)

Front bumper to ground	H102	225 (8.8)
Rear bumper to ground	H104	339 (13.3)
Bumper to ground front at curb mass (wt.)	H103	225 (8.8)
Bumper to ground rear at curb mass (wt.)	H105	339 (13.3)
Angle of approach (degrees)	H106	15.2°
Angle of departure (degrees)	H107	19.9°
Ramp breakover angle (degrees)	H147	
Axle differential to ground (front/rear)	H153	
Min. running ground clearance	H158	
Location of min. run. grd. clear.		

* 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.

(a) All Cobra R height and ground clearances are measured at curb weight with empty fuel tank bladder.

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

Revised (*)

Model Code/Description

COUPE (BASE; GT)

CONVERTIBLE (BASE; GT)

Front Compartment	SAE Ref. No.	(FOR COBRA MODELS SEE PAGE 23A)
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 (42.5)
SgRP to heel point	H30	221 (8.7)
SgRP to heel point	LS3	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); 184 (7.2) w/GT
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) w/GT 1332 (52.4)
Upper body opening to ground	H50	1199 (47.2); 1206 (47.5) w/GT 1204 (47.4)
Steering wheel maximum diameter*	W9	381 (15.0)
Steering wheel angle (degrees)	H18	21°
Accel. heel pt. to steer. whl. cntr	L11	538 (21.2)
Accel. heel pt. to steer. whl. cntr	H17	605 (23.8)
Undepressed floor covering thickness	H67	

Rear Compartment

SgRP point couple distance	L50	684 (26.9)
Effective head room	H63	912 (35.9) 908 (35.7)
Min. effective leg room	L51	770 (30.3)
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 (41.2)
Hip room	W6	1239 (48.8) 1043 (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°
Foot angle (degrees)	L47	110.7°
Depressed floor covering thickness	H73	

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	308 (10.9) 241.9 (8.5)
Liftover height	H195	764 (30.1); 776 (30.6) w/GT 763 (30.0); 773 (30.4) w/GT

Interior Volumes (EPA Classification)

Vehicle class	Subcompact	
Interior volume index including trunk/cargo (cu. ft.)**	94.0	84.6
Trunk/cargo index (cu. ft.)	10.9	8.5

* See page 14.

** See definition page 33.

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

MVMA Specifications

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

Revised (*) 3/24/95

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

(*) Model Code/Description

COBRA AND COBRA R 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 (42.5)
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)	L48	87°
Design H-point front travel	L17	184 (7.2)
Normal driving & riding seat track trvl.	L23	171 (6.7)
Shoulder room	W3	1362 (53.6)
Hip room	W5	1332 (52.4)
Upper body opening to ground	H50	1208 (47.6) 1206 (47.5)
Steering wheel maximum diameter*	W9	381 (15.0)
Steering wheel angle (degrees)	H18	21°
Accel. heel pt. to steer. whl. cntr	L11	538 (21.2)
Accel. heel pt. to steer. whl. cntr	H17	606 (23.8)
Undepressed floor covering thickness	H67	

Rear Compartment

SgRP point couple distance	L50	684 (26.9)
Effective head room	H83	912 (35.9) 908 (35.7)
Min. effective leg room	L51	770 (30.3)
SgRP (second to heel)	H31	276 (10.9)
Knee clearance	L48	-82 (-3.2)
Shoulder room	W4	1324 (52.1) 1048 (41.2)
Hip room	W6	1239 (48.8) 1043 (41.1)
Upper body opening to ground	H51	
Back angle (degrees)	L41	24° 22°
Hip angle (degrees)	L43	78.7° 74.7°
Knee angle (degrees)	L45	68.6°
Foot angle (degrees)	L47	110.7°
Depressed floor covering thickness	H73	

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	308 (10.9) 241.9 (8.5)
Liftover height	H195	776 (30.6) 773 (30.4)

Interior Volumes (EPA Classification)

Vehicle class	Subcompact	
Interior volume index including trunk/cargo (cu. ft.)**	94.0	84.8
Trunk/cargo index (cu. ft.)	10.9	8.5

* See page 14.

** See definition page 33.

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

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

Revised ()

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*	V8
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

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

Revised (*)

Model Code/
Description

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)
	H181** —
	H183** —
Rear	W22** 837 (32.9)
	L55** 3720 (146.5)
	H82** 438 (17.2)
	H182** —
	H184** —

* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks.

** Reference - SAE Recommended Practice, J1100 - Motor Vehicle Dimensions.

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

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line MUSTANG

Model Year 1995

Issued 7/1/94

Revised (*)

		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)	789	607	1396	1339	T	45	55	19	81
Mustang Model		(1740)	(1337)	(3077)	(2952)					
2-Door Coupe										
994 / 445	76 (BH)	832	645	1477	1420	U	45	55	19	81
Mustang Model		(1834)	(1423)	(3257)	(3132)					
2-Door Convertible										
3.8L Engine — Code 994										
4-Spd. Auto. Trans. — Code 44P										
994 / 44P	63 (BJ)	808	609	1417	1360	U	45	55	19	81
Mustang Model		(1782)	(1342)	(3124)	(2999)					
2-Door Coupe										
994 / 44P	76 (BH)	851	648	1499	1442	V	45	55	19	81
Mustang Model		(1876)	(1428)	(3304)	(3179)					
2-Door Convertible										
5.0L HO+ Engine — Code 99T/										
5-Spd. Man. Trans. — Code 445										
99T / 445	63 (BJ)	878	610	1488	1430	V	45	55	19	81
Mustang GT Model		(1936)	(1345)	(3281)	(3153)					
2-Door Coupe										
99T / 445	76 (BH)	899	666	1565	1507	W	45	55	19	81
Mustang GT Model		(1982)	(1469)	(3451)	(3323)					
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

METRIC (U.S. Customary)

Model Year 1995

Issued 7/1/94

Revised (*) 3/24/95

* 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.

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 Loss:

(*) 58 (128) w/5.0L HO+ and 5.0L & 5.8L SHP
Engines

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line MUSTANG

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Revised (*) 3/24/95

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 (-11.7)	-5.3 (-11.7)	-10.6 (-23.4)	Available Mustang Models Only; Includes Standard P205/65R15 Tires	
64H	Wheels, Cast Aluminum, 17" x 7.5"	3.45 (7.6)	3.45 (7.6)	6.9 (15.2)	Available Mustang GT Models Only; Includes P245/45ZR17 Tires	
Brakes:						
552	Anti-Lock Brake System (ABS)	3.8 (8.42)	4.2 (9.33)	8.0 (17.75)	Included in Preferred Equipment Package (PEP) w/GT	
Air Conditioning:						
572	with Manual Temperature Control and 3.8L Engine	14.2 (31.3)	-0.8 (-1.7)	13.4 (29.6)		
572	with Manual Temperature Control and 5.0L Engine	14.4 (31.8)	-0.8 (-1.7)	13.6 (30.1)		
Radio Systems:						
—	Electronic AM/FM Stereo w/Cassette and Premium Sound	1.4 (3.09)	0.7 (1.52)	2.1 (4.61)		
586	Mach 460 Premium AM/FM Stereo and Cassette w/ Coupe	5.6 (12.4)	12.2 (26.87)	17.8 (39.27)		
586	Mach 460 Premium AM/FM Stereo and Cassette w/ Convertible	3.8 (8.3)	8.1 (17.9)	11.9 (26.2)		
Miscellaneous Options:						
57Q	Defroster, Rear Window	0.07 (0.16)	0.02 (0.04)	0.09 (0.20)		
61A	Power Equipment Group	1.45 (3.2)	0.9 (2)	2.36 (5.2)	Includes Dual Electric Exterior Mirrors, Power Side Windows and Power Door Locks	
P42	GTS Series Vehicle				Includes Many Features of GT Series Coupe, Except Includes: 4-Spoke Sport Steering Wheel, Regular Front Bucket Seats, Manual Windows, Manual Door Locks and Non- Illuminated Visor Mirrors	

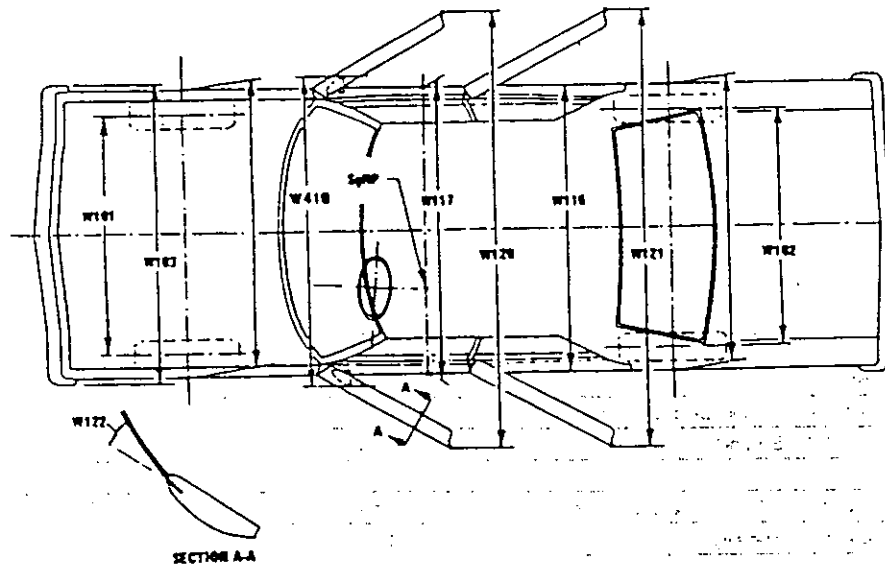
* Also see Engine - General Section for dressed engine mass (weight).

MVMA Specifications

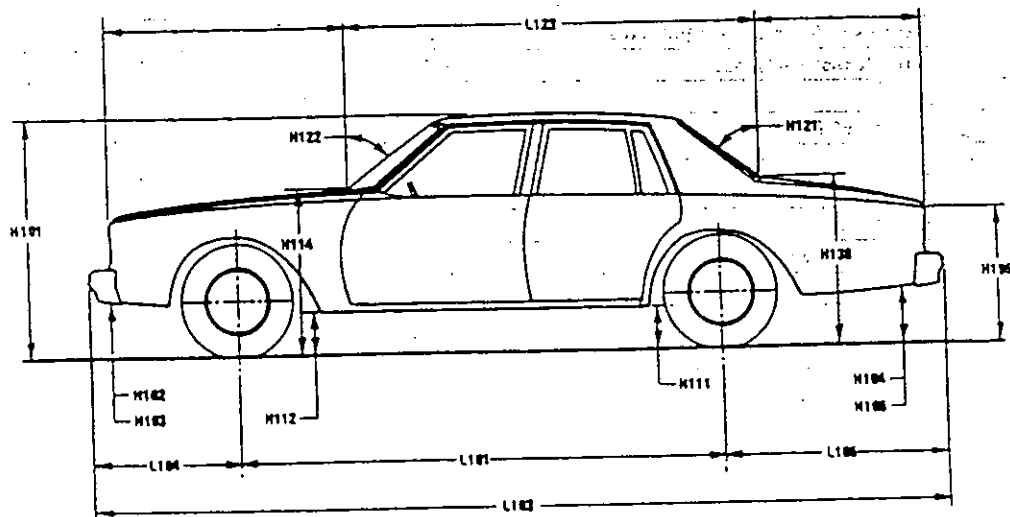
METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions - Key Sheet

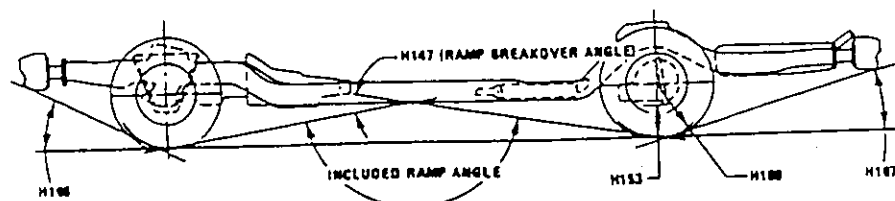
Exterior Width



Exterior Length & Height



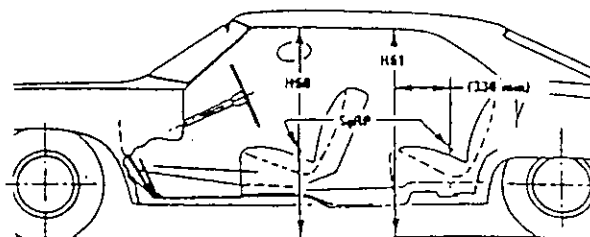
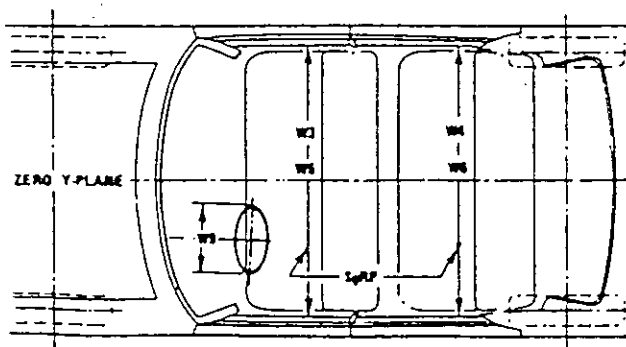
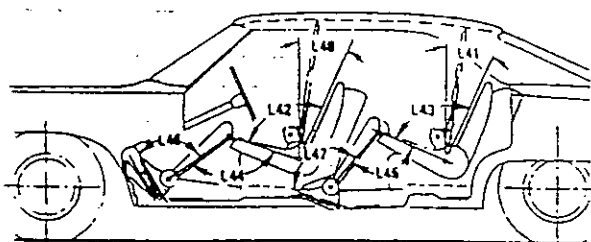
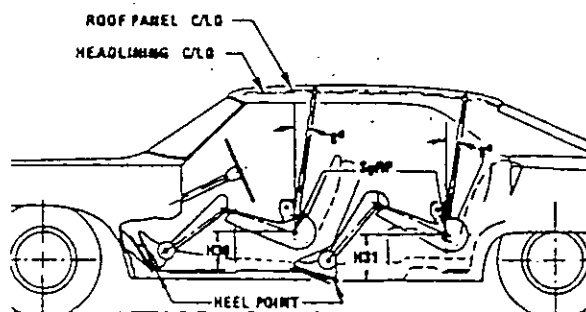
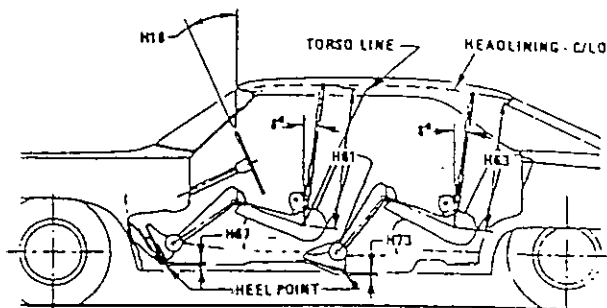
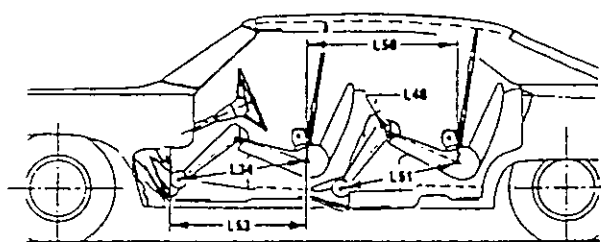
Exterior Ground Clearance



MVMA Specifications Form

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet

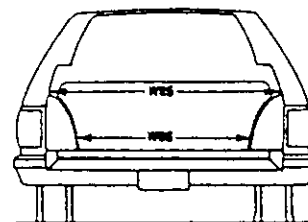
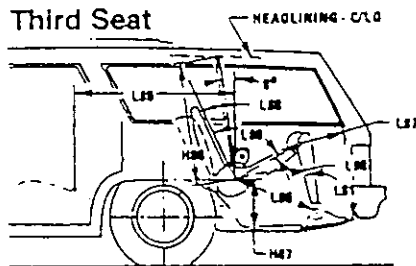


MVMA Specifications

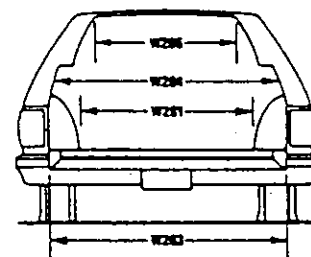
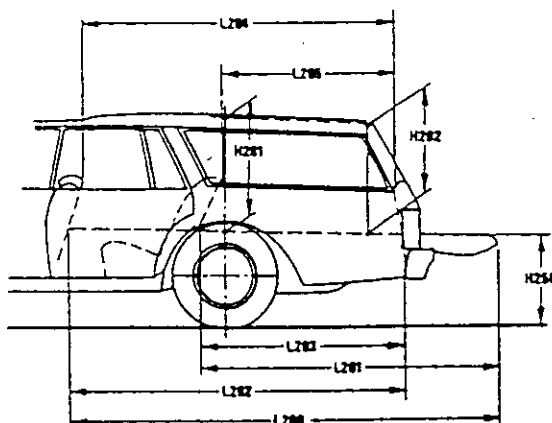
METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet

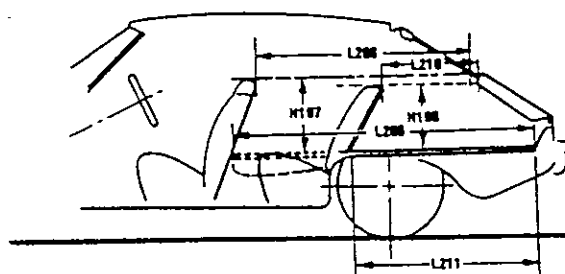
Third Seat



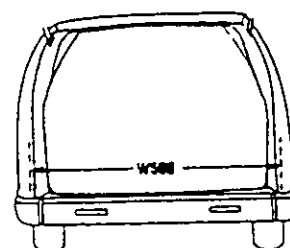
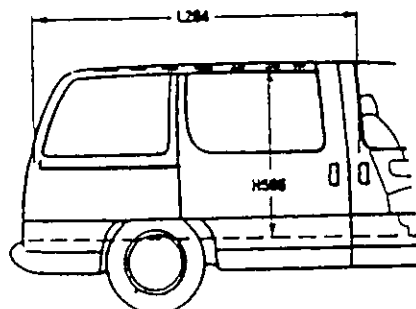
Cargo Space



Station Wagon



Hatchback



Multipurpose Vehicle

MVMA Specifications

METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which –

- (a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
- (b) Has coordinates established relative to the design vehicle structure;
- (c) Simulates the position of the pivot center of the human torso and thigh; and
- (d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Devices for Use in Defining and Measuring Vehicle Seating Accommodations."

Width Dimensions

- W101 TREAD – FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD – REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W117 BODY WIDTH AT SgRP – FRONT. The dimension measured laterally between the widest points on the body at the SgRP-front, excluding door handles, applied moldings, or appliques.
- W120 VEHICLE WIDTH – FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.
- W121 VEHICLE WIDTH – REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.
- W122 TUMBLE – HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.
- W410 OUTSIDE MIRROR WIDTH. The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" plane.

Length Dimensions

- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.
- L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L104 OVERHAND – FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L105 OVERHANG – REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.

- L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
- L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H111 ROCKER PANEL – REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
- H112 ROCKER PANEL – FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. In the case of wrap over glass, the angle is to chord of backlight arc from lower DLO to upper DLO.
- H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield arc running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in.) long drawn from the lower DLO to the intersecting point on the windshield.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H109 STATIC LOAD – TIRE RADIUS – REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

Ground Clearance Dimensions

- H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.
- H103 FRONT BUMPER TO GROUND – CURB MASS (WT.). Measured in the same manner as H102.
- H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.
- H105 REAR BUMPER TO GROUND – CURB MASS (WT.). Measured in the same manner as H104.
- H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius arc and the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.
- H107 ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius arc and the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.
- H147 RAMP BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.
- H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.
- H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

Glass Areas

- S1 Windshield area.
- S2 Side windows area. Includes the front door, rear door, vents, and rear quarter windows on both sides of the vehicle.
- S3 Backlight areas.
- S4 Total area. Total of all areas (S1 + S2 + S3).

Fiducial Mark Dimensions

Fiducial Mark - Number 1

- LS4 "X" coordinate.
- W21 "Y" coordinate.
- H81 "Z" coordinate.
- H161 Height "Z" coordinate to ground at curb weight.
- H163 Height "Z" coordinate to ground.

Fiducial Mark - Number 2

- LS5 "X" coordinate.
- W22 "Y" coordinate.
- W82 "Z" coordinate.
- H162 Height "Z" coordinate to ground at curb weight.
- H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

- L11 ACCELERATOR HEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.
- L17 DESIGN H-POINT - FRONT TRAVEL. The dimension measured horizontally between the design H-point - front in the foremost and rearmost seat track positions. (See SAE J1100)
- L23 NORMAL DRIVING AND RIDING SEAT TRACK TRAVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100).
- L31 SgRP - FRONT. "X" COORDINATED.
- L34 MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP - front plus 254 mm (10.0 in.) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.
- L40 BACK ANGLE - FRONT. The angle measured between a vertical line through the SgRP - front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.
- L42 HIP ANGLE - FRONT. The angle measured between torso line and thigh centerline.
- L44 KNEE ANGLE - FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.
- L46 FOOT ANGLE - FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826.
- LS3 SgRP - FRONT TO HEEL. The dimension measured horizontally from the SgRP - front to the accelerator heel point.
- W3 SHOULDER ROOM - FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP - front at height between the belt line and 254 mm (10.0 in.) above the SgRP - front, excluding the door assist strap and attaching parts.

- W5 HIP ROOM - FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP - front within 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP - front and 76 mm (3.0 in.) fore and aft of the SgRP - front.
- W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.
- H7 ACCELERATOR HEEL POINT TO THE STEERING WHEEL CENTER. The dimension measured vertically from the AHP - front to the intersection of the steering column centerline to a plane tangent to the upper surface of the steering wheel rim.
- H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
- H30 SgRP - FRONT TO HEEL. The dimension measured vertically from the SgRP - front to the accelerator heel point.
- H50 UPPER BODY OPENING TO GROUND - FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP - front "X" plane.
- H61 EFFECTIVE HEAD ROOM - FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP - front to the headlining plus 102 mm (4.0 in.).
- H67 FLOOR COVERING THICKNESS - UNDEPRESSED - FRONT. The dimension measured vertically from the surface of the undepressed floor covering to the underbody sheet metal at the accelerator heel point.

Rear Compartment Dimensions

- L41 BACK ANGLE - SECOND. The angle measured between a vertical line through the SgRP - second and the torso line.
- L43 HIP ANGLE - SECOND. The angle measured between torso line and thigh centerline.
- L45 KNEE ANGLE - SECOND. The angle measured between thigh centerline and lower leg centerline.
- L47 FOOT ANGLE - SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).
- L48 KNEE CLEARANCE - SECOND. The minimum dimension measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in.).
- LS0 SgRP COUPLE DISTANCE - SECOND. The dimension measured horizontally from the driver SgRP - front to the SgRP - second.
- LS1 MINIMUM EFFECTIVE LEG ROOM - SECOND. The dimension measured along a line from the ankle pivot center to the SgRP - second plus 254 mm (10.0 in.).
- W4 SHOULDER ROOM - SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP - second at height between 254-406 mm (10.0-16.0 in.) above the SgRP - second, excluding the door assist straps and attaching parts.
- W6 HIP ROOM - SECOND. Measured in the same manner as W5.
- H31 SgRP - SECOND TO HEEL. The dimension measured vertically from the SgRP - second to the two dimensional device heel point on the depressed floor covering.
- H51 UPPER BODY OPENING TO GROUND - SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP - second.
- H63 EFFECTIVE HEAD ROOM - SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).
- H73 FLOOR COVERING - DEPRESSED - SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

Luggage Compartment Dimensions

- V1 USABLE LUGGAGE CAPACITY - Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE J1100a.

Interior Volumes (EPA Classification)

The Interior Volume Index is listed for each body style except two seaters. The Interior Volume Index estimates the space in a car. It is based on four measurements - head room, shoulder room, hip room, and leg room - for the front and rear seats, plus trunk capacity.

The Trunk/Cargo Index is an estimate of the size of the trunk/cargo space. In station wagons and hatchbacks it is an estimate of the space behind the second seat.

Station Wagon / MPV - Third Seat Dimensions

- L85 SgRP COUPLE DISTANCE - THIRD. The dimension measured horizontally from the SgRP - second to the SgRP - third.
- L86 EFFECTIVE LEG ROOM - THIRD. The dimension measured along a line from the ankle pivot center to the SgRP - third plus 254 mm (10.0 in.).
- L87 KNEE CLEARANCE - THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51 mm (2.0 in.). With rear-facing third seat, dimension is measured to closure.
- L88 BACK ANGLE - THIRD. Measured in the same manner as L41.
- L89 HIP ANGLE - THIRD. Measured in the same manner as L43.
- L90 KNEE ANGLE - THIRD. Measured in the same manner as L45.
- L91 FOOT ANGLE - THIRD. Measured in the same manner as L47.
- W85 SHOULDER ROOM - THIRD. Measured in the same manner as W4.
- W86 HIP ROOM - THIRD. Measured in the same manner as W5.
- H86 EFFECTIVE HEAD ROOM - THIRD. The dimension, measured along a line 8 deg. from the SgRP - third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
- H87 SgRP - THIRD TO HEEL POINT.
- SD1 SEAT FACING DIRECTION - THIRD.

Station Wagon / MPV - Cargo Space Dimensions

- L200 CARGO LENGTH - OPEN - FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate at the zero "Y" plane.
- L201 CARGO LENGTH - OPEN - SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

- L202 CARGO LENGTH - CLOSED - FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L203 CARGO LENGTH - CLOSED - SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L204 CARGO LENGTH AT BELT - FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel at the height of the belt, on the zero "Y" plane.
- L205 CARGO LENGTH AT BELT - SECOND. The minimum dimension measured horizontally from the back of the second seatback at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.
- W201 CARGO WIDTH - WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure to the sheet metal.
- W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.
- W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.
- W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.
- W500 CARGO WIDTH AT FLOOR. The maximum dimension measured laterally between the limiting interferences at the floor level. This dimension shall include ribs and pillars, but will exclude wheelhouses.
- H197 FRONT SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.
- H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinate on the zero "Y" plane.
- H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.
- H250 TAILGATE TO GROUND CURB MASS (WT.). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.
- H505 MAXIMUM CARGO HEIGHT. The maximum vertical dimension rear of the front seat from the cargo floor to roof bow or headlining at the zero "Y" plane.

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

V2 STATION WAGON

Measured in inches:

$$\frac{W4 \times H201 \times L204}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

V4 HIDDEN LUGGAGE CAPACITY - REAR OF FRONT SEAT.

The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V5 TRUCKS AND MPV'S WITH OPEN AREA.

Measured in inches:

$$\frac{L506 \times W505 \times H503}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{L506 \times W500 \times H503}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

V6 TRUCKS AND MPV'S WITH CLOSED AREA.

Measured in inches:

$$\frac{L204 \times W500 \times H505}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{L204 \times W500 \times H505}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

V8 HIDDEN LUGGAGE CAPACITY - REAR OF SECOND SEAT.

The total volume of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the second seat.

V10 STATION WAGON CARGO VOLUME INDEX.

Measured in inches:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

Hatchback - Cargo Space Dimensions

All hatchback cargo dimensions are to be taken with the front seat in full down and rear position, and the rear seat folded down. The hatchback door is in the closed position. (For electronically adjusted seats, see the manufacturer's specifications for Design "H" Point).

L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.

L209 CARGO LENGTH AT FLOOR - FRONT. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback to the load floor which is stowed at least one half of the H198 dimension height above the rear load floor, to the rearmost limiting interference on the zero "X" plane.

L211 CARGO LENGTH AT FLOOR - SECOND SEATBACK. The minimum horizontal dimension measured at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

H197 FRONT SEATBACK TO LOAD HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undeepressed floor covering.

H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the second seatback to the undeepressed floor covering.

V3 HATCHBACK.

Measured in inches:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

V4 HIDDEN LUGGAGE CAPACITY - REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor.

Measured in inches:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

MVMA Specifications

METRIC (U.S. Customary)

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