

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC(U.S. Customary)

Passenger Car

1986

Manufacturer FORD MOTOR COMPANY	Car Line MUSTANG	
Mailing Address P. O. BOX 2053 DEARBORN, MICHIGAN 48121	Issued SEPTEMBER, 1985	Revised

Questions concerning these specifications should be directed to the manufacturer whose address is shown above.

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

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Motor Vehicle Manufacturers Association
of the United States, Inc.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Table of Contents

1	Car Models
2	Power Teams
3-6	Engine
4	Lubrication System
4	Diesel Information
5	Cooling System
6	Fuel System
7	Vehicle Emission Control
7	Exhaust System
8-10	Transmission, Axles and Shafts
11	Suspension-Front and Rear
12-13	Brakes
13	Tires and Wheels
14-15	Steering
15-16	Electrical
17	Body – Miscellaneous Information
18	Restraint System
18	Frame
18	Glass
19	Convenience Equipment
20-22	Car and Body Dimensions
23	Vehicle Fiducial Marks
24	Lamps and Headlamps
25	Vehicle Mass (Weight)
26	Optional Equipment Differential Mass (Weight)
27-33	Car and Body Dimensions Definitions - Key Sheets
34	Index

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 completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (•) _____

Car Models

Model Description & Drive (FWD/RWD)	Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load—Kilograms (Pounds)
% <u>LX-MODEL</u>				
2-Door Sedan	10-03-85	66B	2/2	45.4 (100)
2-Door Convertible	10-03-85	66B (B2L)	2/2	45.4 (100)
2-Door Hatchback	10-03-85	61B	2/2	45.4 (100)
% <u>GT-MODEL</u>				
2-Door Convertible	10-03-85	66B (B2L/B8D)	2/2	45.4 (100)
2-Door Hatchback	10-03-85	61B (B8D)	2/2	45.4 (100)
% Rear Wheel Drive (RWD)				

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (•) _____

Power Teams (Indicate whether standard or optional)

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

SERIES AVAILABILITY	ENGINE					E x h a u s t S/D	TRANSMISSION TRANSAXLE	AXLE RATIO (std. first)
	Displ. Liters (in ³)	Carb. (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM				
				kW (bhp)	Torque N·m (lb. ft.)			
LX Models Only \$	2.3 (140)	1V	9.5	66 (88) 4200	165 (122) 2600	S	M4WR AT3 (C-3)	3.08*, 3.45(a) 3.27*, 3.45(a)
LX Models Only	3.8 (232)	CFI 2V(b)	8.7	90 (120) 3600	278 (205) 1600	S	AT3 (C-5) AOD %	2.73 3.27*, 3.45 (a)
All	5.0 HO (302)	EFI	9.2	149 (200) 4000	386 (285) 3000	D	M5OD AOD	2.73-T, 3.08-T 3.27-T
AOD - 4-Speed Automatic Overdrive AT3 - 3-Speed Select Shift Automatic M4WR - 4-Speed Manual M5OD - 5-Speed Manual Overdrive \$ - Except Convertible T - Traction-Lok % - Canada Not Available * - Altitude Not Available (a) - Altitude Only (b) - Available Canada Only								

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued

9/85

Revised (•)

Engine Description/Carb.
Engine Code

2.3L

3.8L

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)	Inline, Front, Longitudinal, (SOHC) Single Overhead Cam, with Modified Wedge Combustion Chambers	90°V, Front, Longitudinal, (OHV) Overhead Valve with Modified Wedge Combustion Chambers
Manufacturer	Ford Motor Company	
No. of cylinders	Four	Six
Bore	96.04 (3.78)	96.8 (3.8)
Stroke	79.40 (3.12)	86.0 (3.4)
Bore spacing (C/L to C/L)	105.99 (4.17)	106.5 (4.19)
Cylinder block material & mass kg (lbs.)	Cast Iron & 45.4 (100)	
Cylinder block deck height	212.55 (8.36)	234.5 (9.23)
Deck clearance (minimum) (above or below block)	0.178 (0.007) Above	0.255 (0.010) Above
Cylinder head material & mass kg (lbs.)	Cast Iron & 24.5 (54)	Aluminum
Cylinder head volume (cm³)	56.6	61.5 - 64.5
Head gasket thickness (compressed)	1.09 (0.043)	1.04-1.19 (0.041-0.047)
Minimum combustion chamber total volume (cm³)	76.9	76.8
Cyl. no. system (front to rear)*	L. Bank	1, 2, 3, 4
	R. Bank	--
Firing order	1, 3, 4, 2	1, 4, 2, 5, 3, 6
Intake manifold material & mass [kg (weight, lbs.)]	Aluminum & 2.8 (6.3)	Aluminum & 5 (11)
Exhaust manifold material & mass [kg (weight, lbs.)]	Cast Iron & 4.2 (9.3)	Cast Nodular Iron & 7.1(15.6)
Recommended fuel (leaded, unleaded, diesel)	Unleaded	
Fuel antiknock index (R + M) 2	87 Minimum Octane	
Total dressed engine mass (wt) dry**	178 (392.5)	189 (416.9) w/AT3 Trans (a)

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum Alloy - SAE 332 500 (17.6)	Aluminum Alloy 521 (18.4)
--	--	------------------------------

Engine - Camshaft

Location	Cylinder Head	In Block
Material & mass kg (weight, lbs.)	Hardenable Cast Iron &	Alloy Iron, Induction Hardened & 4.04(8.9) (b)
Drive type	Chain / belt	Belt
	Width / pitch	21.8-22.8(0.86-0.90)/9.52(0.37) 19.99-18.72(.79-.94)/9.53(.37)

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

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

(a) 188 (415.4) w/AOD Transmission

(b) Also Green Sand Molded & Phosphate Coated

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (●) _____

Engine Description/Carb.
Engine Code

5.0L

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)	90° V, Front, Longitudinal, (OHV) Overhead Valve, Modified Wedge Combustion Chambers
Manufacturer	Ford Motor Company
No. of cylinders	Eight
Bore	101.6 (4.00)
Stroke	76.2 (3.00)
Bore spacing (C/L to C/L)	111.3 (4.38) & 56.7 (125)
Cylinder block material & mass kg (lbs.)	Cast Iron
Cylinder block deck height	208.4 (8.20)
Deck clearance (minimum) (above or below block)	.343 (.0135) Above
Cylinder head material & mass kg (lbs.)	Cast Iron & 20.9 (46.0)
Cylinder head volume (cm³)	62.0 - 65.0
Head gasket thickness (compressed)	1.04-1.19 (0.041-0.047)
Minimum combustion chamber total volume (cm³)	73.4
Cyl. no. system (front to rear)*	L. Bank 5, 6, 7, 8 R. Bank 1, 2, 3, 4
Firing order	1, 3, 7, 2, 6, 5, 4, 8
Intake manifold material & mass [kg (weight, lbs.)]	Aluminum & 16.8 (37.0)
Exhaust manifold material & mass [kg (weight, lbs.)]	Stainless Steel Headers & 5.4 (12.0)
Recommended fuel (leaded, unleaded, diesel)	Unleaded
Fuel antiknock index (R + M) 2	87 Minimum Octane
Total dressed engine mass (wt) dry**	244 (536.9)

Engine – Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum Alloy, 583 (20.56)
--	-----------------------------

Engine – Camshaft

Location	In Block
Material & mass kg (weight, lbs.)	Forged Steel, 4.08 (9.0)
Drive type	Chain, Double Roller
	Width / pitch 22.1 (0.87) / 9.52 (0.37)

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

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

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (●) _____

Engine Description/Carb.
Engine Code

2.3L

3.8L

Engine - Valve System

Hydraulic lifters (std., opt., NA)	Standard	
Valves	Number intake / exhaust	4/4 6/6
	Head O.D. intake / exhaust	44/38 45/37

Engine - Connecting Rods

Material & mass [kg., (weight, lbs.)]	Forged Steel, 0.63-0.64(1.38-1.41)	Forged Steel(SAE-1151-M) (a)
---------------------------------------	------------------------------------	------------------------------

Engine - Crankshaft

Material & mass [kg., (weight, lbs.)]	Nod.Cast Iron & 15.48(34.1)	Nod.Cast Iron & 14.06(31.0)
End thrust taken by bearing (no.)	#3	
Number of main bearings	5	4
Seal (material, one, two piece design, etc.)	Front	Flourocarbon or Poly Acrylic
	Rear	Flourocarbon

Engine - Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	345 (50) @ 2000 RPM	276-414 (40-60)@ 2000 RPM
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, part, other)	Full Flow	
Capacity of c/case, less filter-refill-L (qt.)	4.73(5.0), Less 0.95(1.0)	4.7(5) Less 0.9 (1.0)

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 in-jection 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	
Charge cooler	

(a) Weight ~ .665 - .667 (1.46-1.47)

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (●) _____

Engine Description/Carb.
Engine Code

5.0L

Engine – Valve System

Hydraulic lifters (std., opt., NA)		Standard with Roller Tappets
Valves	Number intake / exhaust	8/8
	Head O.D. intake / exhaust	45.2 (1.78)/36.8 (1.45)

Engine – Connecting Rods

Material & mass [kg., (weight, lbs.)]	Forged Steel, 0.55 (1.23)
---------------------------------------	---------------------------

Engine – Crankshaft

Material & mass [kg., (weight, lbs.)]		Nodular Cast Iron Alloy, 17.3 (38.2)
End thrust taken by bearing (no.)		#3
Number of main bearings		5
Seal (material, one, two piece design, etc.)	Front	Viton, 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.)	4.7 (5.0) Less 0.9 (1.0)

Engine – Diesel Information (NOT APPLICABLE)

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 APPLICABLE)

Turbo charger - manufacturer		
Super charger - manufacturer		
Charge cooler		

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (●) _____

Engine Description/Carb.
Engine Code

2.3L

3.8L

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard				
Coolant fill location (rad., bottle)		Radiator Fill	Radiator Fill; Bottle Add			
Radiator cap relief valve pressure [kPa (psi)]		82.7-110.3(12-16) (a)	97-127 (14-18)			
Circulation thermostat	Type (choke, bypass)	By-Pass	Reverse Poppet			
	Starts to open at °C (°F)	87.91(188-195)	89.5-127 (193-200)			
Water pump	Type (centrifugal, other)	Centrifugal - Vane				
	GPM 1000 pump/rpm	13.1	9			
	Number of pumps	One				
	Drive (V-belt, other)	V-Belt	Six Rib Poly V			
	Bearing type	Double Row, Sealed, Ball & Roller				
	Impeller material	Low Carbon Steel	Stamped Steel			
	Housing material	Cast Iron	Aluminum			
By-pass recirculation [type (inter., ext.)]		Internal				
Cooling system capacity	With heater--L(qt.)	8.2 (8.6)	10.1(10.7) Plus 1.5Qt in RecBtl			
	With air cond.--L(qt.)	8.7 (9.2)	10.2(10.8) Plus 1.5Qt in RecBtl			
	Opt. equipment [specify--L(qt.)]	N/A				
Water jackets full length of cyl. (yes, no)		Yes	No			
Water all around cylinder (yes, no)		Yes				
Water jackets open at head face (yes, no)		No				
Radiator core	Std., A/C, HD	Standard	HD & A/C	Standard	A/C	
	Type (cross-flow, etc.)	Cross-Flow				
	Construction (fin & tube mechanical, braze, etc.)	Tube and Slit Fin				
	Material, mass [kg (wgt. lbs.)]	Copper, 5.9 (12.9)		Copper, 4.9 (10.9)		
	Width	623.3 (24.5)		622.3 (24.5)		
	Height	453.1 (17.8)		452.1 (17.8)		
	Thickness	16.5(0.65)	28.9(1.14)	16.5(0.65)	29.0(1.14)	
	Fins per inch	10(A/T); 9(M/T) 12		12w/AT3; 11w/AOD 10wAT3; 9w/AOD		
Radiator end tank material		Brass				
Fan	Std., elec., opt.	Standard	Optional	Standard		
	Number of blades & type (flex, solid, material)	Four Uneven (Solid Steel)	Eight Even (Plastic)	Five (Solid Steel)		
	Diameter & projected width	406.6(16.0) (h)		398.8(15.7) (h)		457(18) & 68.5(2.69)
	Ratio (fan to crankshaft rev.)	1.05:1		1.25:1		
	Fan cutout type	N/A		Viscous Clutch		
	Drive type (direct, remote)	Direct				
	RPM at idle (elec.)	N/A				
	Motor rating (wattage) (elec.)	N/A				
	Motor switch (type & location) (elec.)	N/A				
	Switch point (temp., pressure) (elec.)	N/A				
	Fan shroud (material)	N/A		Plastic		

(a) 96.5 - 124.1 (14-18) with A/C

(b) Projected width: Standard - 35.3 (1.4); HD & AC - 46 (1.8)

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (●)

Engine Description/Carb.
Engine Code

5.0L

Engine - Cooling System

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)	90-93 (193-200)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	Ten
	Number of pumps	One
	Drive (V-belt, other)	Poly V
	Bearing type	Ball & Roller
	Impeller material	Stamped Steel
	Housing material	Aluminum
By-pass recirculation [type (inter., ext.)]		External
Cooling system capacity	With heater-L(qt.)	13.3 (14.1)
	With air cond.-L(qt.)	13.3 (14.1)
	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 A/C
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	Tube and Slit Fin
	Material, mass [kg (wgt. lbs.)]	Copper, 5.9 (12.9)
	Width	622.3 (24.5)
	Height	453.1 (17.8)
	Thickness	29.0 (1.14)
	Fins per inch	11 12
Radiator end tank material		Brass
Fan	Std., elec., opt.	Standard
	Number of blades & type (flex, solid, material)	9, Even, Plastic/Steel
	Diameter & projected width	461 (18.2) & 55.9 (2.2)
	Ratio (fan to crankshaft rev.)	1.13:1
	Fan cutout type	Clutch
	Drive type (direct, remote)	Direct, Belt
	RPM at idle (elec.)	N/A
	Motor rating (wattage) (elec.)	N/A
	Motor switch (type & location) (elec.)	N/A
	Switch point (temp., pressure) (elec.)	N/A
Fan shroud (material)	Filled Polymer	

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (●) _____

Engine Description/Carb.
Engine Code

2.3L

3.8L

Engine – Fuel System

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

Induction type: carburetor, fuel injection system, etc.			1V Carburetor	(Canada-2V Carburetor) Central Fuel Injection
Carburetor	Mfr.		Carter	N/A
	Choke (type)		Auto-Full Electric	N/A (Canada-Auto.Electric)
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	800 Neutral	N/A
		Automatic	750 DR	550-625 DR (Canada-700 DR)
Idle A/F mix.			14.6:1	13.9:1
Fuel injection	Point of injection (no.)		N/A	Throttle Body(Canada-N/A)
	Constant, pulse, flow		N/A	Pulse (Canada-N/A)
	Control (electronic, mech.)		N/A	Electronic (Canada-N/A)
	System pressure [kPa (psi)]		N/A	300 (30.5) (Canada-N/A)
Intake manifold heat control (exhaust or water thermostatic or fixed)			Water	Exhaust
Air cleaner type	Standard		Dry Replaceable Paper Element	
	Optional		N/A	
Fuel pump	Type (elec. or mech.)		Mechanical	Electric (Canada-Mech)
	Location (eng., tank)		Engine Block	Frame Rail/In Tank(a) (Can.Eng)
	Pressure range [kPa (psi)]		37.9-44.8(5.5-6.5)	21-34(3.1-4.9) (a) Canada-(b)

Fuel Tank

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

(a) In-Tank Pump Only, 275-310 (40-45)

(b) Canada-Engine Mounted Mechanical Pump Pressure Range, 41.4-55.2(6.0-8.0)

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (•) _____

Engine Description/Carb.
Engine Code

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.		Electronic Fuel Injection	
Carburetor	Mfr.	N/A	
	Choke (type)	N/A	
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	
		Automatic	N/A
Idle A/F mix.		14.6:1	
Fuel injection	Point of injection (no.)	Intake Port, (8)	
	Constant, pulse, flow	Timed	
	Control (electronic, mech.)	Electronic	
	System pressure [kPa (psi)]	270.3 (39.2)	
Intake manifold heat control (exhaust or water thermostatic or fixed)		None	
Air cleaner type	Standard	Dry, Remote Paper Element	
	Optional	N/A	
Fuel pump	Type (elec. or mech.)	Electric	
	Location (eng., tank)	One Pump System in Fuel Tank	
	Pressure range [kPa (psi)]	N/A	

Fuel Tank

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

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (●) _____

Engine Description/Carb.
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2.3L

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Vehicle & Engine Modifications, Exhaust Gas Recirculation; Air Injection
	Air Injection	Pump or pulse	Pump
		Driven by	V-Belt
		Air distribution (head, manifold, etc.)	Cylinder Head and Exhaust System
		Point of entry	Exh. Port in Cyl. Hd., Catalyst
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled Flow
		Exhaust source	External Tube
		Point of exhaust injection (spacer, carburetor, manifold, other)	Spacer
	Catalytic Converter	Type	TWC + COC Brick Transverse
		Number of	One
		Location(s)	Underbody
		Volume [L (in³)]	1.1 (66) + 1.3 (78)
Substrate type		Coated Ceramic Monolith	
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)		Carburetor Spacer
	Air inlet (breather cap, other)		VRA Breather Cap
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Carbon Canister
		Carburetor	Ext. to Carbon Canister; Int. to Air Cleaner
	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
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs)]		One, Reverse Flow, Aluminized Low Carbon Steel & 9.5 (20.9)
Resonator no. & type		N/A
Exhaust pipe	Branch o.d., wall thickness	
	Main o.d., wall thickness	
	Material & Mass [kg (weight lbs)]	
Inter-mediate pipe	o.d. & wall thickness	50.8 x 1.75 (2.0 x .069)
	Material & Mass [kg (weight lbs)]	Aluminized Low Carbon Steel
Tail pipe	o.d. & wall thickness	44.5 x 1.37 (1.75 x .054)
	Material & Mass [kg (weight lbs)]	Aluminized Low Carbon Steel

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (•) _____

Engine Description/Carb.
Engine Code

3.8L

Vehicle Emission Control

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	Serpentine Poly-V Belt
		Air distribution (head, manifold, etc.)	Cylinder Head and Catalyst
		Point of entry	Cylinder Head Exhaust Ports, Catalyst Mid-Bed
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled Flow
		Exhaust source	Internal From Exhaust X-Over (Intake Manifold)
		Point of exhaust injection (spacer, carburetor, manifold, other)	Spacer
	Catalytic Converter	Type	TWC Toeboard + COC Single Brick In-Line
		Number of	Two
		Location(s)	Underbody & Toeboard
		Volume [L (in ³)]	Toeboard-Two .62(.38); Underbody-One 1.3(78)
Substrate type		Coated Ceramic Monolith	
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)		Throttle Body-CFI; Carburetor-2V (Canada Only)
	Air inlet (breather cap, other)		Air Cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Externally Vented to Carbon Canister
		Carburetor	Internally Vented to Air Cleaner
	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
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs)]		One, Reverse Flow, Aluminized Low Carbon Steel & 10.1 (22.3)
Resonator no. & type		
Exhaust pipe	Branch o.d., wall thickness	
	Main o.d., wall thickness	
	Material & Mass [kg (weight lbs)]	
Inter- mediate pipe	o.d. & wall thickness	50.8 x 1.75 (2.00 x .069)
	Material & Mass [kg (weight lbs)]	Aluminized Low Carbon Steel
Tail pipe	o.d. & wall thickness	50.8 x 1.75 (2.00 x .069)
	Material & Mass [kg (weight lbs)]	Aluminized Low Carbon Steel

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (●) _____

Engine Description/Carb.
Engine Code

5.0L

Vehicle Emission Control

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 and Catalyst
		Point of entry	Cylinder Head Exhaust Ports, Catalyst Mid-Bed
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Electronic
		Exhaust source	Intake Manifold Cross-Over
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Port
	Catalytic Converter	Type	TWC + COC Dual Brick In-Line
		Number of	One
		Location(s)	Underbody
		Volume [L (in³)]	1.3 (78) + 1.3 (78)
Substrate type		Coated Ceramic Monolith	
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)		Air Cleaner
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
	Open loop (yes/no)		Yes

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Dual with Reverse "Y"
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs)]		Two Reverse Flow
Resonator no. & type		N/A
Exhaust pipe	Branch o.d., wall thickness	63.5 x 1.75 (2.50 x .069)
	Main o.d., wall thickness	69.8 x 1.75 (2.75 x .069)
	Material & Mass [kg (weight lbs)]	Aluminized Low Carbon Steel
Inter-mediate pipe	o.d. & wall thickness	63.5 x 1.75 (2.50 x .069)
	Material & Mass [kg (weight lbs)]	Aluminized Low Carbon Steel
Tail pipe	o.d. & wall thickness	57.5 x 1.37 (2.25 x .055)
	Material & Mass [kg (weight lbs)]	Aluminized Low Carbon Steel

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (●) _____

Engine Description/Carb.
Engine Code

2.3L

3.8L

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	N.A.	
Manual 4-speed (std., opt., n.a.) (mfr.)	Standard (Ford)	N.A.
Manual 5-speed (std., opt., n.a.) (mfr.)	N.A.	
Manual overdrive (std., opt., n.a.) (mfr.)	N.A.	
Automatic (std., opt., n.a.) (mfr.)	Optional (Ford)	Standard (Ford)
Automatic overdrive (std., opt., n.a.) (mfr.)	N.A.	Optional (Ford)

Manual Transmission/Transaxle (a) (NOT AVAILABLE)

Number of forward speeds		Four
Transmission ratios	In first	3.98:1
	In second	2.14:1
	In third	1.42:1
	In fourth	1.00:1
	In fifth	--
	In overdrive	--
	In reverse	3.99:1
Synchronous meshing (specify gears)		1st, 2nd, 3rd, 4th
Shift lever location		Floor
Lubricant	Capacity [L (pt.)]	1.3 (2.8)
	Type recommended	ESP-M2C83-C
	SAE viscosity number	Summer SAE-80W
		Winter SAE-80W
		Extreme cold --

Clutch (Manual Transmission) (NOT AVAILABLE)

Make, type, engagement (describe) - (hydraulic, cable, rod)		Ford, Single Disc, Dry Plate, Cable with Self-Adjustment
Assist (yes, no / percent)		No
Type pressure plate springs		Belleville Spring
Total spring load [N (lb.)]		4413 (992)
No. of clutch driven discs		One
Clutch facing	Material	Woven Non-Asbestos, Valeo F-201, Raymark 8060-2
	Manufacturer	Alma
	Part number	E3ZR-7550-AA
	Rivets/plate	12
	Rivet size	3.6 x 5.6 (9/64 x 7/32)
	Outside & inside dia.	215 x 145 (8.47 x 5.70)
	Total eff. area [cm ² (in. ²)]	397.8 (66.16)
	Thickness	3.18 (.125)
Engagement cushion method		Torbend Disc
Release bearing	Type & method of lubrication	
	Self-Centering, Angular Contact, Constant Running, Prepacked	
Torsional damping	Method: springs, friction material	
	Steel Coil Springs/Dry Friction	

(a) Axle Ratio 3.08:1 and 3.45:1

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (•) _____

Engine Description/Carb.
Engine Code

5.0L

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	N.A.
Manual 4-speed (std., opt., n.a.) (mfr.)	N.A.
Manual 5-speed (std., opt., n.a.) (mfr.)	N.A.
Manual overdrive (std., opt., n.a.) (mfr.)	Standard 5-Speed (Borg Warner)
Automatic (std., opt., n.a.) (mfr.)	N.A.
Automatic overdrive (std., opt., n.a.) (mfr.)	Optional (Ford)

Manual Transmission/Transaxle (a)

Number of forward speeds		Five
Transmission ratios	In first	3.35:1
	In second	1.93:1
	In third	1.29:1
	In fourth	1.00:1
	In fifth	0.68:1
	In overdrive	5th Gear
	In reverse	3.15:1
Synchronous meshing (specify gears)		All Forward Gears
Shift lever location		Floor
Lubricant	Capacity [L (pt.)]	2.6 (5.6)
	Type recommended	Dexron II
	SAE viscosity number	Summer --
		Winter --
		Extreme cold --

Clutch (Manual Transmission)

Make, type, engagement (describe) - (hydraulic, cable, rod)		Single Disc, Dry Plate, Cable with Self-Adjustment
Assist (yes, no / percent)		No
Type pressure plate springs		Belleville Spring
Total spring load [N (lb.)]		7402 (1664)
No. of clutch driven discs		One
Clutch facing	Material	Woven Non-Asbestos, Valeo F-202
	Manufacturer	Valeo
	Part number	E6ZR-7550-AA
	Rivets/plate	18
	Rivet size	4.1 x 5.4 (5/32 x 7/32)
	Outside & inside dia.	268 x 170 (10.55 x 6.69)
	Total eff. area [cm ² (in. ²)]	674 (104.5)
	Thickness	3.6 (.142)
Engagement cushion method		Torbend Disc
Release bearing	Type & method of lubrication	Self Centering, Angular Contact, Constant Running, Prepacked
Torsional damping	Method: springs, friction material	Steel Coil Springs/Dry Friction

(a) Axle Ratio 2.73:1 and 3.08:1 Locker

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (●)

Engine Description/Carb.
Engine Code

2.3L

3.8L

Automatic Transmission/Transaxle

Trade name		SelectShift (C-3)	SelectShift (C-5 LTC)
Type and special features (describe)		Torque Converter, Planetary Gear Set	Locking Torque Converter, Planetary Gear Set
Selector	Location	Floor	
	Ltr./No. designation	P R N D 2 1	
Gear ratios	R	2.11:1	2.19:1
	D	1.00:1	
	L ₃	--	
	L ₂	1.47:1	1.46:1
	L ₁	2.47:1	2.46:1
Max. upshift speed - drive range [km/h (mph)]		118 (73)	123 (76.5)
Max. kickdown speed - drive range [km/h (mph)]		111 (69)	105 (66.7)
Min. overdrive speed [km/h (mph)]		--	
Torque converter	Number of elements	Three	
	Max. ratio at stall	2.90:1	2.25:1
	Type of cooling (air, liquid)	Liquid passes through a heat exchanger in radiator	
	Nominal diameter	260.35 (10.25)	305 (12)
Lubricant	Capacity [refill L (pt.)]	7.6 (16) Approx.	10.4 (22)
	Type Recommended	ESP-M2C138-CJ/Dexron II	ESP-M2C166-H
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard, External Oil to Engine Coolant	

Axle or Front Wheel Drive Unit

Type (front, rear)	Rear		
Description	Semi-Floating Type with Cast Center and Overhung Pinion		
Limited slip differential (type)	Friction Plate		
Drive pinion offset	25.4 (1.0)		
Drive pinion (type)	Hypoid		
No. of differential pinions	Two		
Pinion / differential adjustment (shim, other)	Shim		
Pinion / differential bearing adjustment (shim, other)	Collapsible Spacer		
Driving wheel bearing (type)	Straight Roller		
Lubricant	Capacity [L (pt.)]	1.5 (3.25) Conventional and Traction-Lok	
	Type recommended	ESP-M2C154-A	
	SAE viscosity number	Summer	SAE-85W90
		Winter	SAE-85W90
		Extreme cold	SAE-85W90

Axle or Transaxle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage.)

Axle ratio (or overall top gear ratio)		3.08:1	2.73:1	3.27:1	3.45:1
No. of teeth	Pinion	12	15	11	11
	Ring gear or gear	37	41	36	38
Ring gear o.d.		190.5 (7.5)			
Transaxle	Transfer gear ratio	N/A			
	Final drive ratio	N/A			

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MUSTANG
 Model Year 1986 Issued 9/85 Revised (●) _____

Engine Description/Carb.
 Engine Code

3.8L

5.0L

Automatic Transmission/Transaxle

Trade name		Automatic Overdrive (AOD)
Type and special features (describe)		Torque Converter, Planetary Gear Set
Selector	Location	Floor
	Ltr./No. designation	P R N D D 1
Gear ratios	R	2.00
	D	0.67
	L ₃	1.00
	L ₂	1.47
	L ₁	2.40
Max. upshift speed - drive range [km/h (mph)]		102.3(63.6) (a) 97(60.3) (b) 113.5(70.5) (c)
Max. kickdown speed - drive range [km/h (mph)]		86.5(53.7) 82(50.9) 97.3(60.5)
Min. overdrive speed [km/h (mph)]		68.5(42.6) 65(40.4) 69.3(43)
Torque converter	Number of elements	Three
	Max. ratio at stall	2.53:1
	Type of cooling (air, liquid)	Liquid Passes through a Heat Exchanger in Radiator
	Nominal diameter	305 (12)
Lubricant	Capacity (refill L (pt.))	11.7 (24.6)
	Type Recommended	ESP-M2C166-H
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard, External Oil to Engine Coolant

Axle or Front Wheel Drive Unit

Type (front, rear)		Rear
Description		Semi-Floating Type with Cast Center and Overhung Pinion
Limited slip differential (type)		Friction Plate
Drive pinion offset		38.1(1.5) 25.4(1.0)
Drive pinion (type)		Hypoid
No. of differential pinions		Two
Pinion / differential adjustment (shim, other)		Shim
Pinion / differential bearing adjustment (shim, other)		Collapsible Spacer, Shim
Driving wheel bearing (type)		Straight Roller
Lubricant	Capacity [L (pt.)]	1.78(3.75) 1.5(3.25)
	Type recommended	ESP-M2C154-A
	SAE viscosity number	Summer SAE 85W90
		Winter SAE 85W90
		Extreme cold SAE 85W90

Axle or Transaxle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage.)

Axle ratio (or overall top gear ratio)		3.27:1(a) 3.45:1(b) 2.73:1(c) 3.08:1(c) 3.27:1(c)
No. of teeth	Pinion	11 11 15 13 11
	Ring gear or gear	36 38 31 40 36
Ring gear o.d.		190.5(7.5) 221(8.7) 223.5(8.8)
Transaxle	Transfer gear ratio	N/A
	Final drive ratio	N/A

- (a) With 3.8L Eng. and 3.27:1 Ratio Rear Axle
 (b) With 3.8L Eng. and 3.45:1 Ratio Rear Axle
 (c) With 5.0L Eng.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (●) _____

Engine Description/Carb.
Engine Code

2.3L

3.8L

Propeller Shaft – Rear Wheel Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			Internal Tuned Damper	Straight Tube with Internal Tuned Damper
Outer diam. x length* x wall thickness	Manual 3-speed trans.		N/A	
	Manual 4-speed trans. (M4W4)		76.2 x 1186.1 x 1.65 (3.00 x 46.70 x .065)	N/A
	Manual 5-speed trans.		N/A	
	Overdrive (AOD) (4-Speed Auto.)		N/A	69.85 x 1196.3 x 1.65) (2.75 x 47.1 x .065)
	Automatic transmission (3-Speed)		(C-3) 76.2 x 1216.7 x 1.65 (3.00 x 47.90 x .065)	(C-5) 69.85 x 1181.1 x 1.65 (2.75 x 46.50 x .065)
Inter-mediate bearing	Type (plain, anti-friction)		N/A	
	Lubrication (fitting, prepack)		N/A	
Slip yoke	Type		Plain w/3-Speed Auto; Tuned Damper w/4-Speed Man.	Plain w/3-Speed Auto; Tuned Damper w/4-Spd. Auto (AOD)
	Number of teeth		25	28
	Spline o.d.		28.32 (1.12)	30.99 (1.22) Max
Universal joints	Make and mfg. no.	Front	Ford 1310	
		Rear	Ford 1310	
	Number used		Two	
	Type (ball and trunnion, cross)		Cross	
	Rear attach (u-bolt, clamp, etc.)		12 mm Bolts	
	Bearing	Type (plain, anti-friction)	Needle Roller	
		Lubrication (fitting, prepack)	Prepack	
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 Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (●) _____

Engine Description/Carb.
Engine Code

5.0L

Propeller Shaft – Rear Wheel Drive

Type (straight tube, tube-in-tube,
internal-external damper, etc.)

Internal Tuned Damper

Outer diam. x length* x wall thick- ness	Manual 3-speed trans.		N/A
	Manual 4-speed trans.		N/A
	Manual 5-speed trans.		76.2 x 1150.6 x 1.65) (3.00 x 45.30 x .065)
	Overdrive		N/A
	(AOD) Automatic transmission (4-Spd Overdrive)		76.2 x 1162.1 x 1.65 (3.00 x 45.75 x .065)
Inter- mediate bearing	Type (plain, anti-friction)		N/A
	Lubrication (fitting, prepack)		N/A
Slip yoke	Type		Plain-w/5-Speed Manual Tuned Damper-w/AOD Automatic
	Number of teeth		28
	Spline o.d.		30.988 (1.22) Max.
Universal joints	Make and mfg. no.	Front	Ford 1310
		Rear	Ford 1310
	Number used		Two
	Type (ball and trunnion, cross)		Cross
	Rear attach (u-bolt, clamp, etc.)		12 (0.47) Bolts
	Bearing	Type (plain, anti-friction)	Needle Roller
		Lubrication (fitting, prepack)	Prepack
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 Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (•) _____

Body Type And/Or
Engine Displacement

ALL MODELS WITHOUT QUADRA SHOCK REAR SUSPENSION

Suspension – General

Car leveling	Std./opt./n.a.	N/A
	Type (air, hyd., etc.)	N/A
	Manual/auto. controlled	N/A
Provision for brake dip control		Front Springs Mounted on Lower Control Arms
Provision for accel. squat control		Unequal Length Upper/Lower Control Arms (Rear Suspension)
Provisions for car jacking		Side of Car - Outside Rocker Panel Flanges, Front & Rear
Shock absorber (front & rear)	Type	Direct Double Acting Hydraulic Front Struts and Rear Shocks
	Make	Motorcraft
	Piston diameter	Front 34.8 (1.37); Rear 25.4 (1.0)
	Rod diameter	Front 22 (0.87); Rear 12.5 (0.50)

Suspension – Front

Type and description		Hybrid MacPherson Strut w/Springs Mounted on Lower Control Arm
Drive and torque taken through		Control Arms; Bushings and Struts
Travel	Full jounce	89.08 (3.50)
	Full rebound	88.72 (3.49)
Spring	Type (coil, leaf, other) & material	Coil, SAE 5160 Steel
	Insulators (type & material)	Upper-Ring, Lower-Sleeve and Rubber
	Size (coil design height & i.d., bar length x dia.)	254 x 89.0 (10.0 x 3.50) (Coil) 2962 (116.6) (Bar Length); 15.6 (0.61) (Bar Dia.)
	Spring rate [N/mm (lb./in.)]	Base 65.0 (370)
	Rate at wheel [N/mm (lb./in.)]	28.00 (159.6)
Stabilizer	Type (link, linkless, frameless)	Link; Rubber Side Rail Insulator
	Material & bar diameter	SAE 1090; Base 23.9 (0.94); 28.5 (1.12)

Suspension – Rear

Type and description		Four Bar Link with Coil Spring on Lower Arm
Drive and torque taken through		Upper & Lower Control Arms
Travel	Full jounce	74.04 (2.91)
	Full rebound	126.1 (4.96)
Spring	Type (coil, leaf, other) & material	Coil, SAE 5160-H Steel
	Size (length x width, coil design height & i.d., bar length & dia.)	220.7 x 102 (8.69 x 4.02) (Coil), 2732 (107.6) (Bar Length) 13.0 (0.51) (Bar Dia.)
	Spring rate [N/mm (lb./in.)]	28 (160)
	Rate at wheel [N/mm (lb./in.)]	16.8 (96)
	Insulators (type & material)	Rubber
	If leaf	No. of leaves Shackle (comp. or tens.)
		N/A N/A
Stabilizer	Type (link, linkless, frameless)	N/A
	Material & bar diameter	N/A
Track bar (type)		None

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (●) _____

Body Type And/Or
Engine Displacement

(HANDLING SUSPENSION)
ALL MODELS WITH QUADRA SHOCK REAR SUSPNESION (STD. W/GT)

Suspension – General

Car leveling	Std./opt./n.a.	N/A
	Type (air, hyd., etc.)	--
	Manual/auto. controlled	--
Provision for brake dip control		Front Springs Mounted on Lower Control Arm
Provision for accel. squat control		Unequal Length Upper/Lower Control Arms (Rear Suspension)
Provisions for car jacking		Side of Car - Outside Rocker Panel Flanges, Front & Rear
Shock absorber (front & rear)	Type	Direct Double Acting Nitrogen Gas-Pressurized Hyd. Frt. Struts & Rear Vert. Shocks, Freon Bag Hyd. Horiz. Axle Dampers
	Make	Motorcraft
	Piston diameter	Front 34.8 (1.37); Rear 25.4 (1.00); Damper 25.4 (1.00)
	Rod diameter	Front 22 (0.87); Rear 12.5 (0.50); Damper 9.75 (0.38)

Suspension – Front

Type and description		Hybrid MacPherson Strut w/Springs Mounted on Lower Control Arms
Drive and torque taken through		Control Arms, Bushings and Strut Mts.
Travel	Full jounce	91.00 (3.58)
	Full rebound	86.86 (3.42)
Spring	Type (coil, leaf, other) & material	Coil, SAE 5160 Steel
	Insulators (type & material)	Upper - Ring, Lower - Sleeve & Rubber
	Size (coil design height & i.d., bar length x dia.)	Variable Rate: 245.2 x 89.0 (9.65 x 3.50) Coil 2987 (116.6) Bar Length; 16.4 (0.646) Bar Diameter
	Spring rate [N/mm (lb./in.)]	H. D. Handling 75.0 (425)
	Rate at wheel [N/mm (lb./in.)]	26.5 (151)
Stabilizer	Type (link, linkless, frameless)	Link; Rubber Side Rail Insulator
	Material & bar diameter	SAE 1090 Steel & 33.0 (1.30)

Suspension – Rear

Type and description		Four Bar Link with Coil Spring on Lower Arm
Drive and torque taken through		Upper & Lower Control Arms
Travel	Full jounce	82.60 (3.25)
	Full rebound	117.60 (4.63)
Spring	Type (coil, leaf, other) & material	Coil, SAE 5160-H Steel
	Size (length x width, coil design height & i.d., bar length & dia.)	Variable Rate: 102 x 220.7 (8.69 x 4.02) (Coil), 2474 (97.4) (Bar Length) 14.2 (0.56) (Bar Dia.)
	Spring rate [N/mm (lb./in.)]	35 (200)
	Rate at wheel [N/mm (lb./in.)]	16.9 (95.4)
	Insulators (type & material)	Rubber
	If leaf	No. of leaves
		Shackle (comp. or tens.)
Stabilizer	Type (link, linkless, frameless)	Linkless (N/A Standard Duty Suspension)
	Material & bar diameter	SAE 1090 Steel & 20 (0.79) and 21 (0.83)
Track bar (type)		None

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (•)

Body Type And/Or
Engine Displacement

ALL MODELS

Brakes - Service

Description			Four Wheel Hydraulic Actuated System
Brake type (std., opt., n.a.)	Front (disc or drum)		Disc
	Rear (disc or drum)		Drum
Self-adjusting (std., opt., n.a.)			Standard
Special valving	Type (proportion, delay, metering, other)		Pressure Differential and Proportioning
Power brake (std., opt., n.a.)			Standard
Booster type (remote, integral, vac., hyd., etc.)			200(8.66) Single Diaphragm w/2.3L Only - Integral-Vacuum(a)
Vacuum source (inline, pump, etc.)			N.A.
Vacuum reservoir (volume in. ³)			N.A.
Vacuum pump-type (elec. gear driven, belt driven, if other so state)			N.A.
Anti-skid device type (std., opt., n.a.) (F/R)			N.A.
Effective area [cm ² (in. ²)]* (F/R)			208 (32.2)/303 (46.9)
Gross lining area [cm ² (in. ²)]**(F/R)			231 (35.8)/332 (51.4)
Swept area [cm ² (in. ²)]*** (F/R)			1140 (176.6)/638.7 (99)
Rotor	Outerworking diameter	F/R	255.5 (10.1)/N.A.
	Inner working diameter	F/R	168 (6.61)/N.A.
	Thickness	F/R	22.1 (0.87)/N.A.
	Material & type (vented/solid)	F/R	Cast Iron Vented/N.A.
Drum	Diameter & width	F/R	N.A./228.6 (9.0) & 44 (1.73)
	Type and material	F/R	N.A./Composite Cast Iron
Wheel cylinder bore			60 (2.36) - Front/19.1 (.75) - Rear
Master cylinder	Bore/stroke	F/R	21 (0.83)/35.4 (1.4)
Pedal arc ratio			3.5:1
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]			10,480 (1520) w/2.3L; 11,100(1610) w/All exc. 2.3L
Lining clearance			F/R 0.13 (.005)/0.25 (.010)
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Riveted 6/Seg
		Rivet size	4.6x10.2(.18x.4)-Inboard;4.6x7.5(.18x.29)-Outboard
		Manufacturer	Thiokol w/2.3L; Bendix w/All Others
		Lining code*****	TP-1353MFF, BX-XO-EE
		Material	Molded Organic w/ 2.3L;Molded Semi-Metallic w/All Others
		**** Primary or out-board	155 x 44 x 12.2 (6.1 x 1.73 x 0.48)
		Size Secondary or in-board	119 x 44 x 12.2 (4.7 x 1.73 x 0.48)
		Shoe thickness (no lining)	5.1 (.203)
	Rear wheel	Bonded or riveted (rivets/seg.)	Riveted 8/Seg - Primary; 10/Seg - Secondary
		Manufacturer	Bendix FMD - Primary 3198; Secondary 3199
		Lining Code*****	BX-BY-FE - Primary; BX-PM-FE - Seconardy
		Material	Molded Organic
		**** Primary or out-board	155x44x4.7 (6.1x1.73x0.185)
		Size Secondary or in-board	219x44.6.2 (8.6x1.73x0.244)
	Shoe thickness (no lining)	1.71 (.067)	

*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 or formulation designation and coefficient of friction classification.

(a) 152.4 (6.0) Tandem Diaphragm w/all Engines (except 2.3L)

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (•) _____

Body Type And/Or
Engine Displacement

LX MODELS ONLY
(w/2.3L or 3.8L ENG. ONLY)

Tires And Wheels (Standard)

(See Page 13A for GT Model or Models w/Opt. 5.0L Engine)

Tires	Size (load range, ply)		P195/75R14
	Type (bias, radial, 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)		1295.5 (805)
Wheels	Type & material		Stamped Steel
	Rim (size & flange type)		(14 x 5) JJ
	Wheel offset		28.45 (1.12)
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	(4.25)
	Number & size		Four - 12.7 (.50) - 20 Thd
Spare	Tire and wheel (same, if other describe)		B78-14, kPa (36 psi), Steel Wheel 356x127 (14x5.0), Economy Spare
	Storage position & location (describe)		Flat Position, Deep Well in Trunk

Tires And Wheels (Optional)

Size (load range, ply)		P205/70R14
Type (bias, radial, etc.)		Steel Belted Radial
Wheel (type & material)		Polycast/Steel (Styled Road)
Rim (size, flange type and offset)		(14 x 5.5) JJ, Offset 28.45 (1.12)
Size (load range, ply)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Size (load range, ply)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Size (load range, ply)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		Tire Matching Other Four Tires with 14 x 5.5 Steel Wheel (Conventional Spare) Mini-Spare w/Aluminum Wheel 15"x4" on Select Models

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	N/A
	Lining size (length x width x thickness)	N/A

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (•) _____

Body Type And/Or
Engine Displacement

GT MODEL OR MODELS WITH OPTIONAL 5.0L ENGINE

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P225/60VR15 BSW
	Type (bias, radial, 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)			
Wheels	Type & material		Aluminum (Ten Hole Style)
	Rim (size & flange type)		15 x 7
	Wheel offset		22.4 (0.88)
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	4.25
Number & size		Four - 12.7 (.50) - 20 Thd	
Spare	Tire and wheel (same, if other describe)		B78-14, 250 kPa (36 PSI), Steel Wheel 356 x 127 (14x5.0), Economy Spare
	Storage position & location (describe)		Flat Position, Deep Well in Trunk

Tires And Wheels (Optional)

(NOT AVAILABLE)

Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel	
(if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	

Brakes - Parking

Type of control	
Location of control	
Operates on	
If separate from service brakes	Type (internal or external)
	Drum diameter
	Lining size (length x width x thickness)

(Same as Page 13)

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (•) _____

Body Type And/Or
Engine Displacement

ALL MODELS

Steering

Manual (std., opt., n.a.)				N.A.
Power (std., opt., n.a.)				Standard
Adjustable steering wheel (tilt, swing, other)	Type and description			Tilt - 5 Position
	(Std., opt., n.a.)			Optional
Wheel diameter (W9) SAE J1100	Manual			N.A.
	Power			Std. 368 (14.5)
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		
		Curb to curb (l. & r.) 11.39 (37.36); Exc. 11.89 (39.0) w/GT		
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		
Scrub Radius*				
Manual	Gear	Type	N.A.	
		Make	---	
		Ratios	Gear	---
			Overall	---
	No. wheel turns (stop to stop)			
Power	Type (coaxial, linkage, etc.)			Integral Rack and Pinion
	Make			Gear - (Ford), Pump - (Ford); Fluid ESP-M2C138-CJ
	Gear	Type	Rack and Pinion (Variable Ratio) (a)	
		Ratios	*	8.58°/mm on Center; 7.91°/mm at Stops (a)
			Overall	20.00:1 on Center; 15.97:1 at Stops (a)
	Pump (drive)			Belt Off Crankshaft Pulley
No. wheel turns (stop to stop)				3.05 (a)
Linkage	Type			Rack and Pinion (Rod & Ball Joint Direct Attach. 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.)			15.7
	Bearings (type)	Upper	Strut Mount	
		Lower	Ball Joint	
		Thrust		
Steering spindle & joint type				Forged Spindle, with Ball Joint
Wheel spindle	Diameter	Inner bearing	34.8 (1.37)	
		Outer bearing	21.8 (0.86)	
	Thread (size)		13/16-20 UNEF 2A R.H. Thread	
	Bearing (type)		Tapered Roller	

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

(a) Handling Suspension: Std. w/GT Model

Gear Type - Constant Ratio

Rack Speed - 6.44°/mm

Overall Ratio - 15.01:1 On Center, 13.00:1 at Stops

No. Wheel Turns - 2.46 (Stop to Stop)

* Rack Speed

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (●) _____

Body Type And/Or
Engine Displacement

ALL MODELS

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	+1.0°, Min +0.25°/Max +1.75° (a)
		Camber (deg.)	0.0°, Min -0.75°/Max +0.75° (a)
		Toe-in [outside track-mm (in.)]	+4.8, Min+1.6/Max+7.9(+0.19,Min+0.06/Max+0.31)
	Service reset*	Caster	Factory Set and Cannot Be Adjusted
		Camber	0.0°, Min -0.75°/Max +0.75° (a)
		Toe-in	+4.8,Min+1.6/Max+7.9(+0.19,Min+0.06/Max+0.31)
	Periodic M.V. in-spection	Caster	+1.0°, Min +0.25°/Max +1.75° (a)
		Camber	0.0°, Min -0.75°/Max +0.75° (a)
		Toe-in	+4.8, Min +1.6/Max +7.9(+0.19,Min +0.06/Max +0.31)
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	N/A
		Toe-in [outside track-mm (in.)]	N/A
	Service reset*	Camber	N/A
		Toe-in	N/A
	Periodic M.V. in-spection	Camber	N/A
		Toe-in	N/A

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

Electrical – Instruments and Equipment

Speed-ometer	Type	Pointer
	Trip odometer (std., opt., n.a.)	Standard
EGR maintenance indicator		N/A
Charge indicator	Type	Ammeter (Shunt) 45° Pointer
	Warning device	N/A
Temperature indicator	Type	Electric Gauge, 45° Pointer
	Warning device	N/A
Oil pressure indicator	Type	Electric Gauge, 45° Pointer
	Warning device	N/A
Fuel indicator	Type	Electric Gauge, 45° Pointer
	Warning device	Low Fuel Warning Light in Console (Opt.w/2-Dr.Sedan)(b)
Wind-shield wiper	Type (standard)	Two-Speed Electric Column Mtd. Control, Interval Wipe
	Type (optional)	N/A
	Blade length	406.4 (16.0)
	Swept area [cm²(in.²)]	4637 (718.7)
Wind-shield washer	Type (standard)	Electric Pump (Impeller Type)
	Type (optional)	None
	Fluid level indicator	Warning Light (Opt. w/2-Dr. Sedan)(b)
Horn	Type	Air Electric
	Number used	Two Std. One Hi-Pitch, One Lo-Pitch
Other	See Page 15A	

(a) Max Side to Side Difference Not to Exceed + 0.75°

(b) Electronic Graphic Display Indicator System in Console. Also includes Lamp-Out Indicator for Headlamps, Taillamps or Brake Lights, and Low Fuel Warning Light. (Opt. w/2-Dr. Sedan)

**MVMA Specifications Form
Passenger Car**

**METRIC (U.S. Customary)
SUPPLEMENTAL PAGE**

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (●) _____

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" Warning Buzzer
- . Up-shift Indicator Light (Not available Canada)

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986 Issued 9/85 Revised (●) _____

Engine Description/Carb.
Engine Code

2.3L

3.8L

Electrical – Supply System

Battery	Make	Motorcraft			
	Model, std., (opt.)	Standard			
	Voltage	12			
	Amps at 0°F cold crank	310 ;	380 (a);	450 (b)	380 ; 450 (b)
	Minutes-reserve capacity	60 ;	75 (a);	90 (b)	75 ; 90 (b)
	Amp/hrs. - 20 hr. rate	36 ;	45 (a);	54 (b)	45 ; 54 (b)
	Location	Right Hand Front of Engine Compartment			
Generator or alternator	Type and rating	E1ZF-DA (40 Amp)		E5SF-AA (60 Amp)	
	Ratio (alt. crank/rev.)	2.31:1 (2.42:1 w/A/C)		3.36:1	
	Optional (type & rating)	E1ZF-BA (60 Amp) (c)		N.A.	
Regulator	Type	Electronic			

Electrical – Starting System

Start, motor	Current drain at 0°F	260-285 Amps	275-300 Amps
Motor drive	Engagement type	Positive	
	Pinion engages from (front, rear)	Front	

Electrical – Ignition System

Type	Electronic (std., opt., n.a.)		Standard
	Other (specify)		N.A.
Coil	Make		Motorcraft
	Model		E3EF-AA E3EF-AA(CFI);D5AE-AB(2V)
	Current	Engine stopped - A	6.5 5.0
		Engine idling - A	Motorcraft
Spark plug	Make		AWSF--4C AWSF-54C
	Model		14
	Thread (mm)		7.0-14.0 (5-10) 7.0-15.0 (5-11)
	Tightening torque [N·m (lb. ft)]		1.12 (0.044) 1.3-1.4 (.052-.056)
	Gap		One
	Number per cylinder		Motorcraft
Distributor	Make		Universal (Canada - Dura Spark II) (d)
	Model		

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. Ground Strap - Premium Sound Amp to Radio.
------------------	---

(a) Included with Auto. Trans.

(b) Optional Heavy Duty Battery; Standard with Convertible.

(c) E1ZF-BA with A/C

(d) Universal w/CFI; Dura Spark II w/3.8L 2V (Canada)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MUSTANG
 Model Year 1986 Issued 9/85 Revised (●) _____

Engine Description/Carb.
 Engine Code

5.0L
 (MANUAL TRANS.) (AUTO. TRANS.)

Electrical – Supply System

Battery	Make	Motorcraft	
	Model, std., (opt.)	Standard	
	Voltage	12	
	Amps at 0°F cold crank	450	
	Minutes-reserve capacity	90	
	Amp/hrs. - 20 hr. rate	54	
	Location	Left Hand Front of Engine Compartment	
Generator or alternator	Type and rating	E67F-DA (60 Amp)	E6SF-AA (60 Amp)
	Ratio (alt. crank/rev.)	2.68:1	3.00:1
	Optional (type & rating)	N.A.	
Regulator	Type	Electronic w/Integral Regulator	

Electrical – Starting System

Start, motor	Current drain at 0°F	290-315 Amps
Motor drive	Engagement type	Positive
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Electronic (std., opt., n.a.)	Standard
	Other (specify)	N.A.
Coil	Make	Motorcraft
	Model	(E) - Core
	Current	Engine stopped - A 6.5
		Engine idling - A 2.5
Spark plug	Make	Motorcraft
	Model	AWSF-44
	Thread (mm)	14
	Tightening torque [N·m (lb, ft)]	14-20.3 (10-15)
	Gap	1.27 (0.050)
	Number per cylinder	One
Distributor	Make	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. Ground Strap - Premium Sound Amp to Radio.
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MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (●) _____

Body Type

ALL MODELS

Body

Structure	Unitized All-Steel Welded Body, with One-Piece Side Stampings and Energy-Absorbing Front and Rear Structures
Bumper system front - rear	Impact-Resistant Polyurethane Fascia and Steel - HSLA 50 Understructure. Will Withstand 5 mph Impact from 15° Pendulum on Center-Line of Car Without Damage
Anti-corrosion treatment	<ul style="list-style-type: none"> Major Exterior & Underbody Sheet Metal Components and Panels Pre-Coated (Galvanized) Steel Body Cathodically Electrocoat Primed Urethane Chip Resistant Primer or Plastic Cladding on Lower Body Sides Grille: A.B.S. Plastic

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		Enamel (Acrylic)
Hood	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	Primary - Internal, Secondary - External
Trunk lid	Type (counterbalance, other)	Counterbalance (2-Door Sedan & Convertible)
	Internal release control (elec., mech., n.a.)	Electric (with Power Lock Group)
Hatch-back lid	Type (counterbalance, other)	Gas Cylinders
	Internal release control (elec., mech., n.a.)	Electric
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Stamped Frame - Coil Spring & Flexolator - Foam Pad
	Rear	Integral Frame & Foam Pad Assembly
	3rd seat	None
Seat back type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Stamped Frame - Foam Pad
	Rear	Frame Hard Board with Foam Pad Assembly
	3rd seat	None

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MUSTANG
 Model Year 1986 Issued 9/85 Revised (●) _____

Body Type

ALL MODELS

Restraint System

Active restraint system	Standard/optional	Rear: Color Keyed Webbing Front: Color Keyed Webbing with Tension Eliminator	
	Type and description	Continuous Loop - Front	Lap Only - Rear
	Location	2 Seat Belts - Front	2 - Rear
Passive seat belts	Standard/optional	N/A	
	Power/manual	N/A	
	2 or 3 point	N/A	
	Knee bar/lap belt	N/A	

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)		Unitized Construction		
Glass	SAE Ref. No.	2-Door Sedan	Convertible	2-Door Hatchback
Windshield glass exposed surface area [cm ² (in. ²)]	S1	8114 (1258)	7220 (1118)	8114 (1258)
Side glass exposed surface area [cm ² (in. ²)] - total 2-sides	S2	8313 (1288)	7303 (1132)	8101 (1256)
Backlight glass exposed surface area [cm ² (in. ²)]	S3	8583 (1330)	3723 (577)	8569 (1328)
Total glass exposed surface area [cm ² (in. ²)]	S4	25009 (3876)	18239 (2827)	24784 (3841)
Windshield glass (type)		Laminated		
Side glass (type)		Tempered		
Backlight glass (type)		Tempered		

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MUSTANG
 Model Year 1986 Issued 9/85 Revised (●) _____

Body Type

ALL MODELS

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

Air conditioning (manual, auto. temp control)		Optional, Manual Temperature Control
Clock (digital, analog)		Standard, Digital (Base)
Compass / thermometer		N.A.
Console (floor, overhead)		Optional on 2-Dr. Sedan, Standard with All Other Models
Defroster, elec. backlight		Optional (Mandatory New York State)
Electronic	Diagnostic warning (integrated, individual)	Graphic Warning Display (Part of Console)
	Instrument cluster (list instruments)	N.A.
	Keyless entry	N.A.
	Tripminder (avg. spd., fuel)	N.A.
	Voice alert (list items)	N.A.
	Other	
Fuel door lock (remote, key, electric)		Standard, Electric, Remote Control
Lamps	Auto head on / off delay, dimming	N.A.
	Cornering	N.A.
	Courtesy (map, reading)	Optional Dome/Map Light (Part of Light/Convenience Group)
	Door lock, ignition	N.A.
	Engine compartment	Optional (Part of Light/Convenience Group)
	Fog	N.A.
	Glove compartment	Optional (Part of Light/Convenience Group)
	Trunk	Optional (Part of Light/Convenience Group)
	Other	Standard, High Mount Stop Lamp
Mirrors	Day/night (auto. man.)	Standard, Manual
	L.H. (remote, power, heated)	Standard, Remote Control
	R. H. (convex, remote, power, heated)	Standard, Remote Control Convex
	Visor vanity (RH / LH, illuminated)	N.A.
Parking brake-auto release (warning light)		Standard, Pull Lever - Push Button Release
Power equipment	Door locks / deck lid - specify	Optional, Power Door Locks/Decklid/Liftgate
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	Sport Performance Bucket Seats, Multi-Adjustable, Articulated
	Side windows	Optional
	Vent windows	N.A.
	Rear window	N.A.
	Convertible Top	Optional Retractable Power Top on Convertible
	Antenna (location, whip, w/shield, power)	R.H. Front Fender Mounted, Whip
Radio systems	AM, FM, stereo, tape, CB	(a)
	Speaker (number, location) Premium sound	Dual Front and Rear
Roof open air/fixed (flip-up, sliding, "T")		Optional on 2-Dr. Hatchback Only, Flip-Up/Open Air
Speed control device		Optional Base
Speed warning device (light, buzzer, etc.)		N.A.
Tachometer (rpm)		6000 (Std w/4,6 or 8 Cyl); 7000 (opt. w/5.0L HO EFI)
Theft protection-type		N.A.

(a) Standard: AM/FM Stereo; Optional: AM/FM Stereo w/Cassette, Electronic AM/FM Stereo w/Cassette

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body 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 car line.
SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified.

Car Line MUSTANG
Model Year 1986 Issued 9/85 Revised (●) _____

Body Type	SAE Ref. No.	2-DOOR SEDAN	CONVERTIBLE	2-DOOR HATCHBACK
Width				
Tread (front)	W101	1438 (56.6)		
Tread (rear)	W102	1448 (57.0)		
Vehicle width	W103	1455 (69.1)		
Body width at Sg RP (front)	W117	1735 (68.3)		
Vehicle width (front doors open)	W120	3899 (153.5)		
Vehicle width (rear doors open)	W121	N.A.		
Front fender overall width	W106	1717 (67.6)		
Rear fender overall width	W107	1755 (69.1)		
Tumble-home (deg.)	W122	25.2°	25.4°	25.2°

Length

Wheelbase	L101	2553 (100.5)		
Vehicle length	L103	4554 (179.3)		
Overhang (front)	L104	1003 (39.5)		
Overhang (rear)	L105	999 (39.3)		
Upper structure length	L123	2352 (92.6)		2433 (95.8)
Rear wheel C/L "X" coordinate	L127	2195 (86.4)		
Cowl point "X" coordinate	L125	208 (8.2)		
Front end length at centerline	L126	1405 (55.3)		
Rear end length at centerline	L129	528 (20.8)		384 (15.1)

Height*

Passenger distribution (front/rear)	PD1.2.3	2/1		
Trunk/cargo load		0		
Vehicle height	H101	1323 (52.1)	1317 (51.9)	1323 (52.1)
Cowl point to ground	H114	959 (37.7)		
Deck point to ground	H138	892 (35.1)		907 (35.7)
Rocker panel-front to ground	H112	193 (7.6)		
Bottom of door closed-front to grd.	H133	257 (10.1)		
Rocker panel-rear to ground	H111	170 (6.7)		
Bottom of door closed-rear to grd.	H135	N.A.		
Windshield slope angle	H122	58°		
Backlight slope angle	H121	57.4°		62.0°

Ground Clearance*

Front bumper to ground	H102	525 (20.7) (a)		
Rear bumper to ground	H104	336 (13.2)		
Bumper to ground [front at curb mass (wt.)]	H103	532 (20.9) (a)		
Bumper to ground [rear at curb mass (wt.)]	H105	396 (15.6)		
Angle of approach (degrees)	H106	18.6°		
Angle of departure (degrees)	H107	18.6°		
Ramp breakover angle (degrees)	H147	12.7°		
Axle differential to ground (front rear)	H153	164 (6.5)		
Min. running ground clearance	H156	125 (4.9) (b)		
Location of min. run. grd clear		Converter Grass Shield		

* All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified.

Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

(a) To Upper Flange of Parking Lamp Opening

(b) Minimum Clearance to Traction Bars (5.0L Only) is 122 (4.8)

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)
Car and Body Dimensions

See Key Sheets for definitions

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (•) _____

Body Type

SAE
Ref.
No.

2-DOOR SEDAN

CONVERTIBLE

2-DOOR
HATCHBACK

Front Compartment

Sg RP front, "X" coordinate	L31	3034 (40.7)		
Effective head room	H61	940 (37.0)	955 (37.6)	940 (37.0)
Max. eff. leg room (accelerator)	L34	1059 (41.7)		
SgRP to heel point	H30	223 (8.8)		
SgRP to heel point	L53	859 (33.8)		
Back angle	L40	25°		
Hip angle	L42	93.9°		
Knee angle	L44	123.3°		
Foot angle	L46	87°		
Design H-point front travel	L17	178 (7.0)		
Normal driving & riding seat track trvl.	L23	155 (6.1)		
Shoulder room	W3	1420 (55.9)	1416 (55.7)	1420 (55.9)
Hip room	W5	1425 (56.1)		
Upper body opening to ground	H50	1204 (47.4)		
Steering wheel maximum diameter	W9	368 (14.5)		
Steering wheel angle	H18	23.5°		
Accel. heel pt. to steer. whl. cntr	L11	513 (20.2)		
Accel. heel pt. to steer. whl. cntr	H17	599 (23.6)		
Steering wheel to C/L of thigh	H13	86 (3.4)		
Steering wheel torso clearance	L7	343 (13.5)		
Headlining to roof panel (front)	H37	23 (0.9)		
Undepressed floor covering thickness	H67	20 (0.8)		

Rear Compartment

Sg RP Point couple distance	L50	701 (27.6)		
Effective head room	H63	912 (35.9)	940 (37.0)	904 (35.6)
Min. effective leg room	L51	780 (30.7)		
Sg RP (second to heel)	H31	257 (10.1)		
Knee clearance	L48	-33 (-1.3)		
Compartment room	L3	584 (23.0)	561 (22.1)	607 (23.9)
Shoulder room	W4	1379 (54.3)	1242 (48.9)	1379 (54.3)
Hip room	W6	1196 (47.1)	978 (38.5)	1196 (47.1)
Upper body opening to ground	H51	N.A.		
Back angle	L41	21°	19°	24°
Hip angle	L43	71°	70°	74.8°
Knee angle	L45	66.3°		
Foot angle	L47	111.8°		
Headlining to roof panel (second)	H38	23 (0.9)	N.A.	
Depressed floor covering thickness	H73	20 (0.8)		

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	283 (10.0)	181 (6.4)	N.A.
Liftover height	H195	759 (29.9)		

Interior Volumes (EPA Classification)

Vehicle class (subcompact, compact, etc.)		Subcompact		
Interior volume index (cu. ft.)		93.8	87.4	95.9
Trunk/cargo index (cu. ft.)		9.9	6.4	12.3

MVMA Specifications Form**Passenger Car****METRIC (U.S. Customary)****Car and Body Dimensions**

See Key Sheets for definitions

Car Line MUSTANGModel Year 1986Issued 9/85

Revised (●) _____

Body Type

SAE
Ref.
No.**Station Wagon – Third Seat**

(NOT APPLICABLE)

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

Station Wagon – 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	
Max. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index [m ³ (ft. ³)]	V2	
Hidden cargo volume [m ³ (ft. ³)]	V4	
Cargo volume, index-rear of 2-seat	V10	

Hatchback – Cargo Space

2-DOOR HATCHBACK

Cargo length at front seatback height	L208	911 (38.0)
Cargo length at floor (front)	L209	1692 (66.6)
Cargo length at second seatback height	L210	457 (18.0)
Cargo length at floor (second)	L211	838 (33.0)
Front seatback to load floor height	H197	465 (18.3)
Second seatback to load floor height	H198	389 (15.3)
Cargo volume index [m ³ (ft. ³)]	V3	.85 (30.0)
Hidden cargo volume [m ³ (ft. ³)]	V4	N/A
Cargo volume index-rear of 2-seat	V11	.35 (12.3)

Aerodynamics*

2-Door Sedan

Convertible

2-Door Hatchback

Wheel lip to ground, front	665.2 (26.2)		
Wheel lip to ground, rear	657.9 (25.9)		
Frontal area [m ² (ft ²)]	1.91 (20.6), (a)		
Drag coefficient (Cd)			

* EPA Loaded Vehicle Weight, Loading Conditions

(a) Includes Two Outside Mirrors

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MUSTANG
 Model Year 1986 Issued 9/85 Revised (●) _____

Body Type

ALL MODELS

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location
1 & 2 Front		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 444 (17.5) line.
		(Front Location) (Rear Location) X - 444 (17.5) X - 1295 (51) Y - 737 (29) Y - 737 (29) Z - -27.9(-1.1) Z - -35.6(-1.4)
3 & 4 Rear		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	Fiducial Mark Number	
	W21	737 (29)
	L54	444 (17.5)
	H81	-27.9 (-1.1)
	H161	--
	H163	--
Rear	W22	737 (29)
	L55	1295 (51)
	H82	-35.6 (-1.4)
	H162	--
	H164	--

* Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.
 All linear dimensions are in millimeters (inches).

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MUSTANG
 Model Year 1986 Issued 9/85 Revised (●) _____

Body Type

ALL MODELS

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	654.8 (25.8)
		Lowest	--
	Taillamp (SAE - H128)	Highest**	668 (26.3)
		Lowest	470.7 (19.3)
	Sidemarkers	Front	641 (25.2)
		Rear	622.3 (24.5)
Distance from C/L of car to center of bulb	Headlamp	Inside	428.7 (16.9)
		Outside**	615.7 (24.2)
	Taillamp	Inside	665 (26.2)
		Outside**	682 (26.9)
	Directional	Front	620.7 (24.4)
		Rear	462.8 (18.2)
Halogen headlamp (std., opt., n.a.)	Lo beam		Standard
	Hi beam		Standard
	Replaceable bulb		No
	Shape		Dual, Rectangular, Halogen
Headlamp other than above	Lo beam		N/A
	Hi beam		N/A
	Replaceable		N/A
	Shape		N/A
	Type		N/A

* Measured at curb mass (weight).
 ** If single lamps are used enter here.

METRIC (U.S. Customary)

Model Year 1986

Issued 9/85

Revised (●)

* Reference – SAE J1100 Motor vehicle dimensions, curb weight definition.

MVMA-C-86

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (#) _____

	Optional Equipment Differential Mass (weight)*			
Equipment	MASS, kg. (weight, lb.)			Remarks
	Front	Rear	Total	
POWERTRAINS:				
ENGINE				
2.3L 4-Speed Manual Trans.	-40 (-89)	-12.2 (-27)	-52.2 (-116)	N.A. on Convertible
2.3L w/3-Spd. Auto. Trans. (C-3)	-36.5 (-81)	-11.7 (-26)	-48.2 (-107)	N.A. on Convertible
3.8L w/4-Speed AOD Auto. Trans.	9.9 (22)	3.6 (8)	13.5 (30)	
5.0L w/5-Speed Manual Trans.	63.4 (141)	17.6 (39)	81 (180)	Includes Handling Suspension
5.0L w/4-Speed AOD Auto. Trans.	82.8 (184)	27.9 (62)	110.7 (246)	Includes Handling Suspension
AXLES:				
Traction-Lok, 3.45 Ratio w/2.3L & 4-Spd. Man. or 3-Spd. Auto. Trans.	0 (0)	2.3 (5)	2.3 (5)	
Traction-Lok, 3.08 Ratio w/3.8L & 3-Spd. Auto. Trans.	0 (0)	2.3 (5)	2.3 (5)	
Traction-Lok, 3.27 Ratio w/5.0L	0 (0)	2.3 (5)	2.3 (5)	
TIRES:				
P205/70VR14	6.3 (14)	10.8 (24)	17.1 (38)	All Eng. Except 5.0L
P225/60VR15	5.9 (13)	6.3 (14)	12.2 (27)	w/5.0L Eng. Only; Std. on GT Includes Handling Suspension
WHEELS:				
Aluminum - Simulated Spoke	-3.2 (-7)	-3.6 (-8)	-6.8 (-15)	
Steel - Polycast	3.6 (8)	3.6 (8)	7.2 (16)	

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

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986

Issued 9/85

Revised (•) _____

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
WHEELS: (Cont'd.)				
Styld Steel	.5	.9	1.4	Size - 14"x5.5"
	(1)	(2)	(3)	
WHEEL COVERS:				
Wire Type	.5	.4	.9	
	(1)	(1)	(2)	
MISCELLANEOUS OPTIONS:				
Air Conditioning w/Man.				
Temp. Control				
w/2.3L	22.5	0	22.5	
	(50)	(0)	(50)	
w/3.8L	21.2	0	21.2	
	(47)	(0)	(47)	
w/5.0L	18.5	0	18.5	
	(41)	(0)	(41)	
Batteries:				
36 Amp Range	-3.2	.5	-2.7	Standard w/2.3L & 4-Spd. Manual Trans.
	(-7)	(1)	(-6)	
HD 54 Amp Range	2.7	-.4	2.3	Standard w/GT Model and Incl. on all Models w/Opt. 5.0L Eng.
	(6)	(-1)	(5)	
45 Amp Range	0	0	0	Standard w/2.3L & 3-Spd. Auto. Trans. and w/3.8L Eng.
	(0)	(0)	(0)	
Console	1.8	1.4	3.2	Standard on Hatchback & Convertible Models;Reqd. on Sedan w/5.0L & 5-Spd. Man.
	(4)	(3)	(7)	
Defroster, Rear Window	0	0.5	0.5	N.A. on Convertible
	(0)	(1)	(1)	
License Plate Bracket - Front	0.5	0	0.5	
	(1)	(0)	(1)	
Light Group	-.5	1.4	.9	Standard on Convertible
	(-1)	(3)	(2)	

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

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1986 Issued 9/85 Revised (●) _____

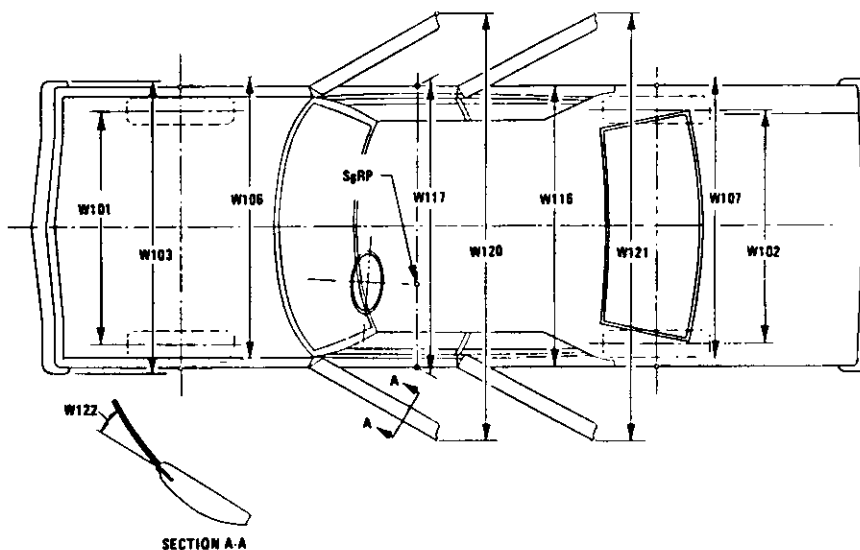
Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
MISCELLANEOUS OPTIONS:				
(Cont'd.)				
RADIO SYSTEMS:				
Radio, AM/FM Stereo	- .5	0	- .5	
w/Cassette	(-1)	(0)	(-1)	
Radio, Delete AM/FM Stereo	-2.7	-1.4	-4.1	
	(-6)	(-3)	(-9)	
Sound System, Premium	-1.3	3.6	2.3	
	(-3)	(8)	(5)	
Power Lock Group	1.8	2.3	4.1	
	(4)	(5)	(9)	
Power Side Windows	1.8	.9	2.7	
	(4)	(2)	(6)	
Protection, Road Abrasion	.5	0	.5	Available Canada Only
	(1)	(0)	(1)	
Roof, Flip-Up Open Air	5	6.3	11.3	N.A. on Convertible
	(11)	(14)	(25)	
SEATS: Front				
Individual, High Back Reclining	- .9	-1.8	-2.7	
	(-2)	(-4)	(-6)	
Steering Wheel, Tilt	.9	0	.9	
	(2)	(0)	(2)	
Speed Control	2.7	1.8	4.5	
	(6)	(4)	(10)	
EMISSION SYSTEMS:				
California w/2.3L & 3-Spd. Auto. Trans	.5	0	.5	
	(1)	(0)	(1)	
California w/3.8L	.5	0	.5	
	(1)	(0)	(1)	
California w/5.0L	.5	0	.5	
	(1)	(0)	(1)	

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

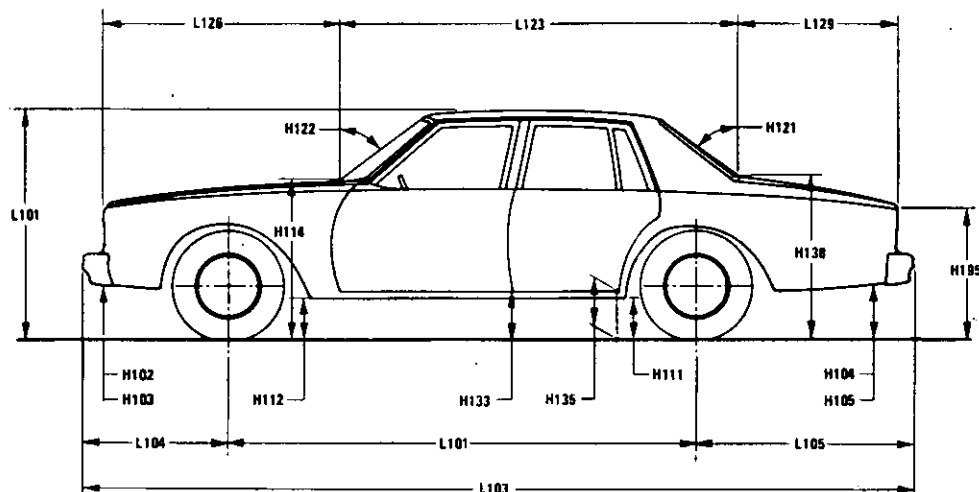
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

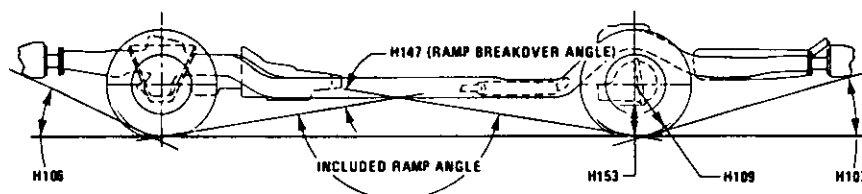
Exterior Width



Exterior Length & Height



Exterior Ground Clearance

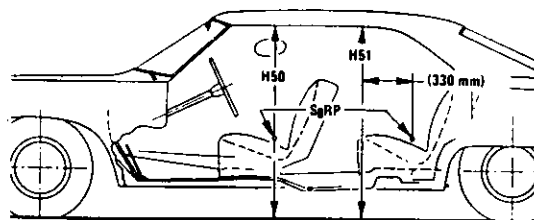
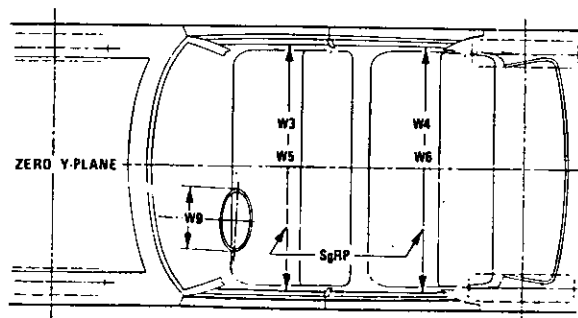
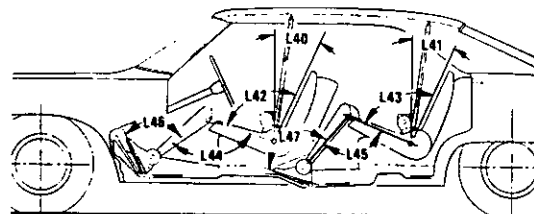
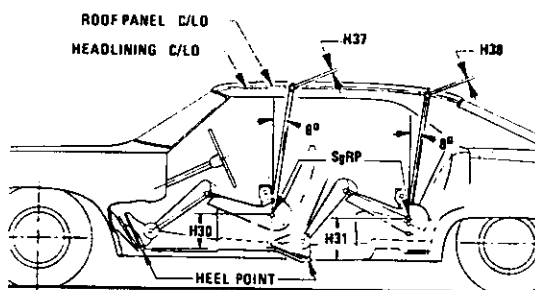
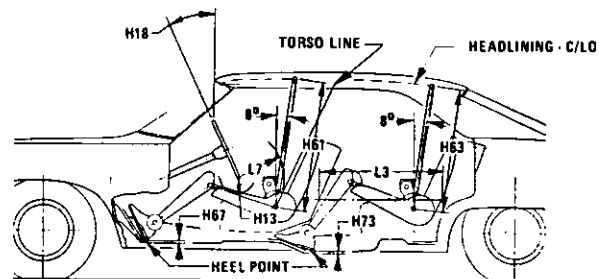
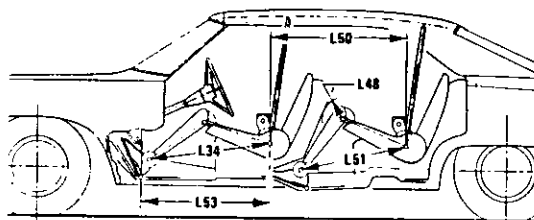


MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet



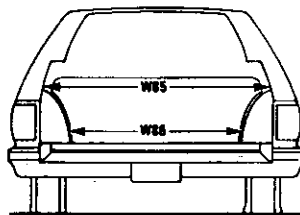
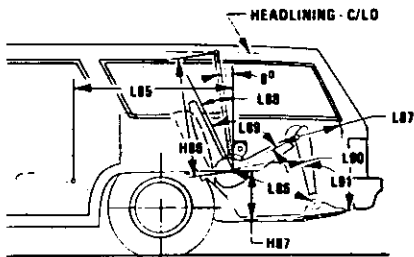
MVMA Specifications Form

Passenger Car

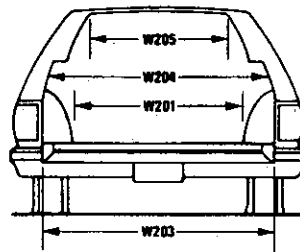
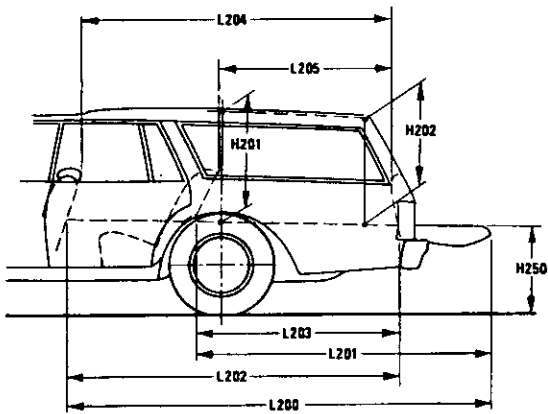
METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

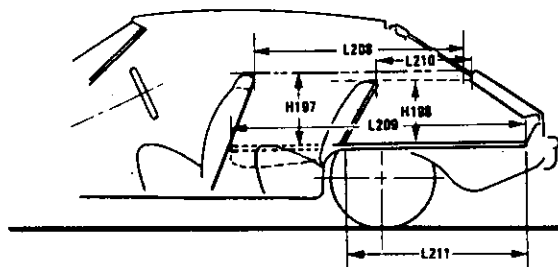
Third Seat



Cargo Space



Station Wagon



Hatchback

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Exterior Car 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.
- W106 FRONT FENDER WIDTH. The dimension measured between the widest points at the front wheel centerline, excluding moldings.
- W107 REAR FENDER WIDTH. The dimension measured between the widest points at the rear wheel centerline, excluding moldings.
- 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.

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 OVERHANG—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.
- L125 COWL POINT "X" COORDINATE.
- L126 FRONT END LENGTH. The dimension measured longitudinally from the cowl point to the foremost point on the vehicle at the zero "Y" plane excluding ornamentation or bumpers. In cases where bumpers and/or grills are integrated with the profile, measurement is made at the foremost point of front end contour.
- 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.
- L129 REAR END LENGTH. The dimension measured longitudinally from the deck point to the rearmost visible point of the body sheet metal at the zero "Y" plane, excluding ornamentation or bumpers.

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. For curve backlight, 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.
- H127 HEADLAMP TO GROUND—CURB MASS (WT.). The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
- H128 TAILLAMP TO GROUND—CURB MASS (WT.). The dimension measured vertically from the centerline of the upper bulb to ground.
- H133 BOTTOM OF DOOR CLOSED—FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.
- H135 BOTTOM OF DOOR CLOSED—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.

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.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

Dimensions Definitions

- 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.

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

- L54 "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

- L55 "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

- L7 STEERING WHEEL TORSO CLEARANCE. The minimum dimension measured in the side view from the rearmost edge of the steering wheel, with front wheels in the straight ahead position, to the torso line.
- 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.
- L23 NORMAL DRIVING AND RIDING SEAT TRACK LEVEL. 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.
- 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.
- L53 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.
- H13 STEERING WHEEL TO CENTERLINE OF THIGH. The minimum dimension measured from the bottom of steering wheel, with front wheels in the straight position, to the thigh centerline.
- H17 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.
- H37 HEADLINING TO ROOF PANEL–FRONT. The dimension measured from the intersection of the headlining and the extended effective head room line normal to the sheet metal.
- 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.
- PD1 PASSENGER DISTRIBUTION–FRONT.

Rear Compartment Dimensions

- L3 COMPARTMENT ROOM–SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

Dimensions Definitions

- 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 front seatback minus 51 mm (2.0 in.).
- L50 SgRP COUPLE DISTANCE-SECOND. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.
- L51 MINIMUM EFFECTIVE LEG ROOM-SECOND. The dimension measured along a line from the ankle pivot center to the SgRP-second plus 254mm (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.
- H38 HEADLINING TO ROOF PANEL-SECOND. The dimension measured from the intersection of the headlining and the extended effective head room line normally to the roof sheet metal.
- 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.
- PD2 PASSENGER DISTRIBUTION-SECOND.

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-J1100.
- H195 LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

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 interior volume index is an estimate of the size of the passenger compartment.

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 – 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 51mm (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. rear from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
- PD3 PASSENGER DISTRIBUTION-THIRD.
- SD1 SEAT FACING DIRECTION-THIRD.

Station Wagon – 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 wheelhouseings at floor level. For any vehicle not trimmed, measure to the sheet metal.

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Interior Car And Body Dimensions – Key Sheet Dimensions Definitions

- 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.
- H197 FRONT SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undeepressed floor covering.
- H201 CARGO HEIGHT. The dimension measured vertically from the top of the undeepressed 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 undeepressed 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 undeepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.
- 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:

$$\frac{L506 \times W500 \times H503}{1728} = \text{ft}^3$$

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. Usable luggage (one (1) stand and luggage set) below floor:

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 electrically 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-HATCHBACK. 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-HATCHBACK. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback or the load floor which is stowed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "Y" plane.
- L211 CARGO LENGTH AT FLOOR-SECOND HATCHBACK. 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 seat back 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 Form

Passenger Car

METRIC (U.S. Customary)

Index

Subject	Page No.	Subject	Page No.
Aerodynamics	22	Interior Volumes	21
Alternator	16	Instruments	15
Automatic Transmission/Transaxle	8, 9	Lamps and Headlamp Shape	24
Axis, Steering	14	Legroom	21, 22
Axle, Drive, Front, Rear	2, 9, 10	Lengths - Car and Body	20
Axle Shafts	10	Leveling, Suspension	11
Battery	16	Lifters, Valve	4
Body and Miscellaneous Information	17	Linings - Clutch, Brake	8, 12
Brakes-Parking, Service	12, 13	Lubrication - Engine Transmission/Transaxle	4, 8, 9
Camber	15	Luggage Compartment	21
Camshaft	3	Mass	25, 26
Capacities		Models	1
Cooling System	5	Motor Starting	16
Fuel Tank	6	Muffler	7
Lubricants		Passenger Capacity	1
Engine Crankcase	4	Passenger Mass Distribution	25
Transmission/Transaxle	8, 9	Pistons	3
Rear Axle	10	Power Brakes	12
Car Models	1	Power, Engine	2
Car and Body Dimensions		Power Steering	14
Width	20	Power Teams	2
Length	20	Propeller Shaft, Universal Joints	10
Height	20	Pumps - Fuel	6
Ground Clearance	20	Water	5
Front Compartment	21	Radiator - Cap, Hoses, Core	5
Rear Compartment	21	Ratios - Axle, Transaxle	2, 9
Luggage Compartment	21	Compression	2
Station Wagon - Third Seat	22	Steering	14
Station Wagon - Cargo Space	22	Transmission/Transaxle	2, 8, 9
Hatchback - Cargo Space	22	Rear Axle	2, 9, 10
Carburetor	2, 6	Regulator - Generator	16
Caster	15	Restraint System	18
Choke, Automatic	6	Rims	13
Clutch - Pedal Operated	8	Rods - Connecting	4
Coil, Ignition	16	Scrub Radius	14
Connecting Rods	4	Seats	17
Convenience Equipment	19	Shock Absorbers, Front & Rear	11
Cooling System	5	Spark Plugs	16
Crankshaft	4	Speedometer	15
Cylinders and Cylinder Head	3	Springs - Front & Rear Suspension	11
Diesel Information	4	Stabilizer (Sway Bar) - Front & Rear	11
Dimension Definitions		Starting System	16
Key Sheet - Exterior	27, 30, 31	Steering	14
Key Sheet - Interior	28, 29, 31, 32, 33	Suppression - Ignition, Radio	16
Electrical System	15, 16	Suspension - Front & Rear	11
Emission Controls	7	Tail Pipe	7
Engine - General		Theft Protection	19
Bore, Stroke, Type	3	Thermostat, Cooling	5
Compression Ratio	2	Tires	13
Displacement	2, 3	Toe-In	15
Firing Order, Cylinder Numbering	3	Torque Converter	9
General Information, Power & Torque	2	Torque - Engine	2, 8, 9
Intake System	4	Transaxle	9
Power Teams	2	Transmission - Types	2, 8, 9
Exhaust System	7	Transmission - Automatic	2, 8, 9
Equipment Availability, Convenience	19	Transmission - Manual	2, 8, 9
Fan, Cooling	5	Transmission - Ratios	2, 9
Fiducial Marks	23	Tread	20
Filters - Engine Oil, Fuel System	4	Trunk Cargo Load	1
Frame	17	Trunk Luggage Capacity	21
Front Suspension	11	Turning Diameter	14
Front Wheel Drive Unit	10	Unitized Construction	17
Fuel System	6	Universal Joints, Propeller Shaft	10
Fuel Injection	6	Valve System	4
Fuel Tank	6	Voltage Regulator	16
Generator and Regulator	16	Water Pump	5
Glass	18	Weights	25, 26
Headroom - Body	21, 22	Wheel Alignment	15
Heights - Car and Body	20	Wheelbase	20
Horns	15	Wheels & Tires	13
Horsepower - Brake	2	Wheel Spindle	14
Ignition System	16	Widths - Car and Body	20
Inflation - Tires	13	Windshield	18
		Windshield Wiper and Washer	15