Specifications Form Passenger Car

1983

METRIC (U.S. Customary)

Manufacturer	Car Line	
FORD MOTOR COMPANY	MUSTANG	
Mailing Address P. O. BOX 2053 DEARBORN, MICHIGAN 48121	Model Year 1983	Issued: APRIL, 1982 Revised (•)

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

Table of Contents

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 and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Car Models

Model Description	Introduction Date	Make, Car Line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Truck/Cargo Load—Kilograms (Pounds)
L MODEL				
2-Door		66B	2/2	45.4 (100)
GL MODEL				
2-Door		66B	2/2	45.4 (100)
3-Door		61B	2/2	45.4 (100)
GLX MODEL				
2-Door		66B	2/2	45.4 (100)
3-Door		61B	2/2	45.4 (100)
2-Door Convertible		B2L	2/2	45.4 (100)
GT MODEL				
3-Door		61B	2/2	45.4 (100)

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Power Teams (Indicate whether standard or optional)

SAE Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

SERIES AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO (std. first)
	Displ. Liters (in^3)	Carb (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM: kW (bhp)	SAE Net at RPM: Torque N · m (lb · ft)	Exhaust System*		
			49 STATES#/CANADA					
All (b)	2.3 (140)	1V				S	M4WR	2.73 T
			50 STATES/CANADA					
All (b)	2.3	1V				S	M4WR	3.08 T 3.45 A-T
Convertible	2.3	1V				S	M4WR	3.45 A-T
All						S	M50D	3.45 A-T
All (b)						S	AT3	3.08, 3.45 T
All	2.3 Turbo $	EFI				S	M50D	3.45 A (a) 3.73 $
All	3.8 (232)	2V				S	AT3	2.73 A-T @ 2.47, 2.73 T
All	5.0 H.O. (302)	4V				S	M40D	3.08 A (a) 3.27 $

M4WD - Manual Transmission 4-Speed Wide Ratio
M40D - Manual Transmission 4-Speed Overdrive
M50D - Manual Transmission 5-Speed Overdrive
AT3 - Automatic Transmission 3-Speed
A - Altitude
T - Traction-Lok Available
@ - Canada
(a) - Traction-Lok Standard
(b) - Except Convertible
- Excludes California
$ - Impending

* S—Single D—Dual

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	2.3L/1V (140 CID)	2.3L/E.F.I. TURBO

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, etc.)		Inline-Front-Longitudinal Single Overhead Camshaft Engine with Modified Wedge Combustion Chamber	
No. of cylinders		Four	
Bore		96.04 (3.78)	
Stroke		79.40 (3.12)	
Bore spacing (c/l to c/l)		105.99 (4.17)	
Cylinder block material		Cast Iron	
Cylinder block deck height		212.55 (8.36)	
Deck clearance (minimum) (above or below block)		0.178 (0.007) Above	
Cylinder head material		Cast Iron	
Cylinder head volume (cm^3)		61.3	
Head gasket thickness (compressed)		1.09 (0.043)	
Minimum combustion chamber volume (cm^3)		76.9	
Cyl. no. system (front to rear)*	L. Bank	--	
	R. Bank	--	
Firing order		1, 3, 4, 2	
Recommended fuel (leaded, unleaded, diesel)		Unleaded	
Fuel antiknock index $\frac{(R + M)}{2}$		87 Minimum Octane	
Total dressed engine mass (wt) dry**			194.6 Kg (429 lbs.)

Engine — Pistons

Material	Aluminum Alloy, SAE-332	
Mass, g (weight, oz.) — Piston Only	500 g. (17.63)	480 g (16.9)

Engine — Camshaft

Location		Cylinder Head	
Material (kg., weight, lbs.)		Hardenable Cast Iron	
Mass (kg., weight, lbs.)		2.91 (6.42)	3.03 (6.68)
Type of drive (chain or belt)	Width	21.8-22.8 (0.86-0.90) Belt Drive	
	Pitch	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.

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

Car Line MUSTANG
Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	3.8L/2V (232 CID)

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, etc.)		90°V, Front, Longitudinal Overhead Valve Engine with Modified Wedge Combustion Chambers
No. of cylinders		Six
Bore		96.8 mm (3.8 in.)
Stroke		86.0 mm (3.4 in.)
Bore spacing (c/l to c/l)		106.5 mm
Cylinder block material		Cast Iron
Cylinder block deck height		234.5 mm
Deck clearance (minimum) (above or below block)		0.325 mm (0.013 in.) Below
Cylinder head material		Aluminum
Cylinder head volume (cm^3)		N/R
Head gasket thickness (compressed)		1.04-1.19 mm (0.041-0.047 in.)
Minimum combustion chamber volume (cm^3)		
Cyl. no. system (front to rear)*	L. Bank	4, 5, 6
	R. Bank	1, 2, 3
Firing order		1, 4, 2, 5, 3, 6
Recommended fuel (leaded, unleaded, diesel)		Unleaded
Fuel antiknock index $\frac{(R+M)}{2}$		87 Minimum Octane
Total dressed engine mass (wt) dry**		157.5 (347.2)

Engine — Pistons

Material	Aluminum Alloy
Mass, g (weight, oz.) — Piston Only	521 (18.38)

Engine — Camshaft

Location		In Block
Material (kg., weight, lbs.)		Special Alloy Iron, Green Sand Molded, Induction Hardened, Phosphate Coated
Mass (kg., weight, lbs.)		4.02 (8.86)
Type of drive (chain or belt)	Width	19.99/18.72
	Pitch	9.525

* 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 & Flex Plate; No Oil, Coolant or Starter.

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (•) _____

Engine Description/Carb. Engine Code	5.0L/4V

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, etc.)		90°V, Front, Longitudinal Overhead Valve Engine With Modified Wedge Combustion Chambers
No. of cylinders		8
Bore		101.6 (4.00)
Stroke		76.2 (3.00)
Bore spacing (c/l to c/l)		111.25 (4.38)
Cylinder block material		Cast Iron
Cylinder block deck height		208.43 (8.20)
Deck clearance (minimum) (above or below block)		.013 (.0005) Below
Cylinder head material		Cast Iron
Cylinder head volume (cm^3)		67.5-70.5
Head gasket thickness (compressed)		1.19 (.047)
Minimum combustion chamber volume (cm^3)		78.9
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
Recommended fuel (leaded, unleaded, diesel)		Unleaded
Fuel antiknock index $\frac{(R + M)}{2}$		87.0 Minimum
Total dressed engine mass (wt) dry**		182 (402)

Engine — Pistons

Material	Aluminum Alloy
Mass, g (weight, oz.) — Piston Only	583 (20.56)

Engine — Camshaft

Location		In Block
Material (kg., weight, lbs.)		Special Alloy Cast Iron, Induction Hardened Phosphate
Mass (kg., weight, lbs.)		19.8 (9.0)
Type of drive (chain or belt)	Width	22.1 (.87) Double Roller Chain
	Pitch	9.52 (.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: Engine Assembly Except Alternator and Starter

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

Car Line MUSTANG
Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	2.3L/1V (140 CID)	2.3L/E.F.I. TURBO

Engine — Valve System

Lifters (std., opt., n.a.)	Hydraulic	Standard
	Solid	N.A.

Engine — Connecting Rods

Material & mass (kg., weight, lbs.)	Forged Steel - SAE-1041-H or SAE-1541-H 0.626-0.642 Kg (1.38-1.41 lbs.)

Engine — Crankshaft

Material (kg., weight, lbs.)	Nodular Cast Iron Alloy
Mass (kg., weight, lbs.)	15.48 (34.13)
End thrust taken by bearing (no.)	No. 3

Engine — Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	345 (50) @ 2000 RPH
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	3.79 (4.0) + 0.95 (1) For Filter 4.3 (4.5) (a)

Engine — Diesel Information (NOT OFFERED)

Glow plug, current drain at 0°F		
Injector nozzle	Type	
	Opening pressure [kPa (psi)]	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

(a) +0.45 (0.5) For Filter

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	3.8L/2V (232 CID)

Engine – Valve System

Lifters (std., opt., n.a.)	Hydraulic	Standard
	Solid	N.A.

Engine – Connecting Rods

Material & mass (kg., weight, lbs.)	Forged Steel - SAE-1151-M 665-677 (23.46-23.88)

Engine – Crankshaft

Material (kg., weight, lbs.)	Nodular Cast Iron Alloy, Greensand Molded Process
Mass (kg., weight, lbs.)	14.06 (31)
End thrust taken by bearing (no.)	Three

Engine – Lubrication System

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

Engine – Diesel Information (NOT AVAILABLE)

Glow plug, current drain at 0°F		
Injector nozzle	Type	
	Opening pressure (kPa (psi))	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	5.0L/4V

Engine — Valve System

Lifters (std, opt., n.a.)	Hydraulic	Standard
	Solid	N.A.

Engine — Connecting Rods

Material & mass (kg., weight, lbs.)	.557 (1.23) Forged Steel

Engine — Crankshaft

Material (kg., weight, lbs.)	Nodular Cast Iron
Mass (kg., weight, lbs.)	17.3 (38.2)
End thrust taken by bearing (no.)	Three

Engine — Lubrication System

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

Engine — Diesel Information (NOT OFFERED)

Glow plug, current drain at 0°F		
Injector nozzle	Type	
	Opening pressure (kPa (psi))	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	2.3L/1V (140 CID)	2.3L/EFI-Turbo

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	Electronic Fuel Injection
Carburetor	Mfgr.		Carter	
	Choke (type)		Auto-Full Electric	
	Idle spd -rpm (spec. neutral or drive and propane if used)	Manual	850 Neutral	
		Automatic	800 Dr.	
Idle A/F mix				
Fuel injection	Point of injection (no.)		N.A.	Port Inj.-Four
	Constant, pulse, flow		N.A.	Simultaneous Double Fire
	Control (electronic, mech.)		N.A.	Electronic
	System pressure [kPa (psi)]		N.A.	268.9 (39.0) (a)
Intake manifold heat control (exhaust or water) thermostatic or fixed			Water	None
Air cleaner type	Standard		Dry Replaceable Element w/Hot & Cold Air Supply	(b)
	Optional		None	
Fuel pump	Type (elec. or mech.)		Mechanical	--
	Location (eng., tank)		Engine Block	--
	Pressure range [kPa (psi)]		37.9-44.8 (5.5-6.5)	--

Fuel Tank

Capacity [refill L (gallons)]			58.3 (15.4 Gal)
Location (describe)			Behind Rear Axle
Attachment			Two Straps with Pin and Loop at Rear, Bolt at Front
Material			Steel (Terne Plate)
Filler pipe	Location & material		Right Rear Quarter Panel; Steel
	Connection to tank		Rubber Seal
Fuel line (material)			Steel Nylon
Fuel hose (material)			Rubber (Reinforced)
Return line (material)			N.A. Nylon
Vapor line (material)			Nylon
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) Above Intake Manifold Pressure
(b) Remote Paper Element

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	3.8L/2V (232 CID)

Engine — Fuel System

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

Induction type: carburetor, fuel injection system, etc.			Carburetor (Down Draft)
Carburetor	Mfgr.		
	Choke (type)		Automatic, Electrically Operated
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	N.A.
		Automatic	49S-4K 700 DR (a); Calif-4K 650 DR (a)
Idle A/F mix			
Fuel injection	Point of injection (no.)		N.A.
	Constant, pulse, flow		N.A.
	Control (electronic, mech.)		N.A.
	System pressure [kPa (psi)]		N.A.
Intake manifold heat control (exhaust or water) thermostatic or fixed			Exhaust Heat Control Valve, Thermostatic Vacuum Control
Air cleaner type	Standard		--
	Optional		--
Fuel pump	Type (elec. or mech.)		Mechanical
	Location (eng., tank)		Engine Mounted
	Pressure range [kPa (psi)]		41.4-55.2 (6.0-8.0 psi)

Fuel Tank

Capacity [refill L (gallons)]		58.3 (15.4 Gal)
Location (describe)		Behind Rear Axle
Attachment		Two Straps with Pin and Loop at Rear, Bolt at Front
Material		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
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) A/C on A/C Clutch De-Energized

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code

5.0L/4V

Engine – Fuel System

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

Induction type: carburetor, fuel injection system, etc.			Carburetor Down Draft
Carburetor	Mfgr.		Holley 4180C-4V
	Choke (type)		Automatic
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	700 Neutral
		Automatic	550 Drive
Idle A/F mix.			
Fuel injection	Point of injection (no.)		N.A.
	Constant, pulse, flow		N.A.
	Control (electronic, mech.)		N.A.
	System pressure (kPa (psi))		N.A.
Intake manifold heat control (exhaust or water) thermostatic or fixed			Exhaust
Air cleaner type	Standard		Dry Replaceable Unit
	Optional		N.A.
Fuel pump	Type (elec. or mech.)		Mechanical With Fuel Return Line
	Location (eng., tank)		Left Side of Engine
	Pressure range (kPa (psi))		44.8-55.2 (6.5-8.0) (a)

Fuel Tank

Capacity (refill L (gallons))		58.3 (15.4 Gal)
Location (describe)		Behind Rear Axle
Attachment		Two Straps With Pin and Loop at Rear, Bolt at Front
Material		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)		Steel
Vapor line (material)		Nylon
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) With Return Line Blocked

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	2.3L/1V (140 CID)	2.3L/E.F.I. TURBO

Engine — Cooling System

Coolant recovery system (std., opt., n.a.)			Standard	N.A.
Coolant fill location (rad., bottle)			Radiator	N.A.
Radiator cap relief valve pressure [kPa (psi)]			82.7-110.3 (12-16) Non A/C, 96.5-124.1 (14-18) w/A-C	N.A.
Circulation thermostat	Type (choke, bypass)		By Pass	N.A.
	Starts to open at °C (°F)		87.91 (188-195)	N.A.
Water pump	Type (centrifugal, other)		Centrifugal-Vane	
	GPM 1000 pump rpm		13.1	
	Number of pumps		One	
	Drive (V-belt, other)		V-Belt	
	Bearing (type)		Double Row, Sealed, Ball and Roller (3/4")	
By-pass recirculation (type (inter., ext.))			Internal	External
Radiator core (type (cross-flow vertical cellular tube and fin, other) and material)			Downflow - Tube and Slit Fin - Non A/C Crossflow - Tube and Slit Fin - With A/C	N.A.
Cooling system capacity	With heater—L(qt.)		9.7 (10.2)	8.9 (8.4)
	With air cond.—L(qt.)		N.A.	9.2 (8.7)
	Opt. equipment (specify—L(qt.))		9.7 (10.2) With A/C	N.A.
Water jackets full length of cyl. (yes, no)			Yes	
Water all around cylinder (yes, no)			Yes	
Radiator core	Standard	Width	437.9 (17.24)	623.3 (24.5)
		Height	417.6 (16.44)	453.1 (17.8)
		Thickness	32.3 (1.27)	35.6 (1.1)
		Fins per inch	Eight	12
	A/C	Width	623.3 (24.5)	
		Height	453.1 (17.8)	
		Thickness	20.6 (.81)	35.6 (1.1)
		Fins per inch	14	12
	Heavy duty	Width	623.3 (24.5)	N.A.
		Height	453.1 (17.8)	N.A.
		Thickness	37.8 (1.49)	N.A.
		Fins per inch	11	N.A.
Fan (standard)	Number of blades & type (flex, solid, material)		Four Uneven - Solid - Steel	N.A.
	Diameter & projected width		406.6 (16.00) 35.3 (1.39)	
	Ratio (fan to crankshaft rev.)		1.05:1	
	Fan cutout type		N.A.	
	Drive (type (direct, remote))		Direct	
	Fan shroud (material)		None	
Fan (electric)	Diameter & projected width		N.A.	355.8 Nom Dia: 40.1 Nom Pw
	RPM at idle		N.A.	1500 RPM
	Motor rating (wattage)		N.A.	150 Watts Max
	Motor switch (type & location)		N.A.	Single Pole Ground (a)
	Switch point (temp., pressure)		N.A.	Approx. 221°
	Fan shroud (material)		N.A.	Wire Legs w/Plastic Ring
Fan (optional)	No. of blades and spacing		Eight-Even-Plastic	N.A.
	Diameter & projected width		398.8 (15.7) 46.0 (1.81)	N.A.
	Ratio (fan to crankshaft rev.)		1.05:1	N.A.
	Fan cut-out (type)		N.A.	N.A.
	Drive (type, direct, remote)		Viscous Clutch	N.A.

(a) Bi-Metallic Snap Disc - Heater Inlet Tube

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	3.8L/2V (232 CID)

Engine — Cooling System

Coolant recovery system (std., opt., n.a.)			Standard
Coolant fill location (rad., bottle)			Radiator
Radiator cap relief valve pressure (kPa (psi))			97-127 (14-18)
Circulation thermostat	Type (choke, bypass)		Choke
	Starts to open at °C (°F)		89.5-127 (193-200)
Water pump	Type (centrifugal, other)		Centrifugal
	GPM 1000 pump rpm		16
	Number of pumps		One
	Drive (V-belt, other)		Six Rib Poly-V
	Bearing (type)		Double Row, Sealed, Ball and Roller
By-pass recirculation (type (inter., ext.))			External
Radiator core (type (cross-flow vertical cellular (tube and fin, other) and material)			Cross Flow, Tube and Slit Fin
Cooling system capacity	With heater – L(qt.)		
	With air cond – L(qt.)		
	Opt. equipment (specify – L(qt.))		
Water jackets full length of cyl. (yes, no)			No
Water all around cylinder (yes, no)			Yes
Radiator core	Standard	Width	622.3 (24.5)
		Height	452.1 (17.8)
		Thickness	37.8 (1.49)
		Fins per inch	10
	A/C	Width	622.3 (24.5)
		Height	452.1 (17.8)
		Thickness	37.8 (1.49)
		Fins per inch	12
	Heavy duty	Width	N.A.
		Height	N.A.
		Thickness	N.A.
		Fins per inch	N.A.
Fan (standard)	Number of blades & type (flex, solid, material)		
	Diameter & projected width		
	Ratio (fan to crankshaft rev.)		
	Fan cutout type		
	Drive (type (direct, remote))		
	Fan shroud (material)		
Fan (electric)	Diameter & projected width		355.6 (14 Dia) 43.2 (1.7)
	RPM at idle		700
	Motor rating (wattage)		150
	Motor switch (type & location)		Heater Tube
	Switch point (temp., pressure)		221
	Fan shroud (material)		Metal and Plastic
Fan (optional)	No. of blades and spacing		N.A.
	Diameter & projected width		N.A.
	Ratio (fan to crankshaft rev.)		N.A.
	Fan cut-out (type)		N.A.
	Drive (type, direct, remote)		N.A.

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	5.0L/4V

Engine — Cooling System

Coolant recovery system (std., opt., n.a.)			Standard
Coolant fill location (rad., bottle)			Radiator
Radiator cap relief valve pressure (kPa (psi))			96.5-124.0 (14-18 PSI)
Circulation thermostat	Type (choke, bypass)		Choke - Poppet or Sleeve Valve
	Starts to open at °C (°F)		89.5-93.4 Full Open 105; 193-200 Full Open 221
Water pump	Type (centrifugal, other)		Centrifugal
	GPM 1000 pump rpm		10
	Number of pumps		One
	Drive (V-belt, other)		Poly-V Belt
	Bearing (type)		Ball and Roller
By-pass recirculation (type (inter. ext.))			External
Radiator core (type (cross-flow vertical cellular tube and fin, other) and material)			Crossflow, Tube and Slit Fin, Copper/Brass
Cooling system capacity	With heater—L(qt.)		12.4 (13.1)
	With air cond.—L(qt.)		12.7 (13.4)
	Opt. equipment (specify—L(qt.))		N.A.
Water jackets full length of cyl. (yes, no)			Yes
Water all around cylinder (yes, no)			Yes
Radiator core	Standard	Width	622 (24.5)
		Height	453.1 (17.84)
		Thickness	20.6 (0.81)
		Fins per inch	
	A/C	Width	622 (24.5)
		Height	453.1 (17.84)
		Thickness	37.8 (1.49)
		Fins per inch	
	Heavy duty	Width	N.A.
		Height	N.A.
		Thickness	N.A.
		Fins per inch	N.A.
Fan (standard)	Number of blades & type (flex, solid, material)		5 Uneven-Solid
	Diameter & projected width		469.9 (18.5), 63.5 (2.5)
	Ratio (fan to crankshaft rev.)		1.25:1
	Fan cutout type		Viscous Clutch
	Drive (type (direct, remote))		Poly-V Belt
	Fan shroud (material)		Plastic
Fan (electric)	Diameter & projected width		N.A.
	RPM at idle		N.A.
	Motor rating (wattage)		N.A.
	Motor switch (type & location)		N.A.
	Switch point (temp., pressure)		N.A.
	Fan shroud (material)		N.A.
Fan (optional)	No. of blades and spacing		5 Uneven-Solid
	Diameter & projected width		469.9 (18.5), 63.5 (2.5)
	Ratio (fan to crankshaft rev.)		1.25:1
	Fan cut-out (type)		Viscous Clutch
	Drive (type, direct, remote)		Poly-V Belt

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code

2.3L/1V
(140 CID)

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Vehicle, Engine, Carburetor and Distributor Modifications Plus Gas Recirculation and Air Inject.
	Air Injection	Pump (type)	Vane Type, Constant Displacement (a)
		Driven by	Crank Pulley Belt
		Air distribution (head, manifold, etc.)	Cylinder Head and Exhaust System
		Point of entry	Exhaust Port in Cylinder Head
	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	Monolithic
		Number of	One (Calif.) Two (49S)
		Location(s)	Underbody (Calif.) Underbody & Toeboard (49S)
		Volume [L (in^3)]	1.1(66)+1.3(78)(Calif),.72(44)(49S),1.3(78)+1.5(92)(49S)
		Substrate type	Coated Ceramic
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	Externally Vented to Carbon Canister Internally Vented to Air Cleaner
	Vapor Storage provision (crankcase, canister, other)		Carbon Canister

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator)		One, Reverse Flow
Resonator no. & type		
Exhaust pipe	Branch o.d., wall thickness	
	Main o.d., wall thickness	
	Material	
Intermediate pipe	o.d. & wall thickness	50.8 X 1.75 (2.00 X .069)
	Material	Low Carbon Steel
Tail pipe	o.d. & wall thickness	47.8 X 1.37 (1.88 X .054)
	Material	Aluminized Low Carbon Steel

(a) 49S & A/T is Pulse Air Consisting of Two Dual Reed Assys. and Four Tubes.
Tube Points of Entry: Two Exhaust Manifold, One Exhaust Pipe, One Catalyst.

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	2.3L/EFI TURBO

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Electronic Fuel and Spark Control Plus Exhaust Gas Recirculation & Air Inject.
	Air Injection	Pump (type)	--
		Driven by	--
		Air distribution (head, manifold, etc.)	Pulse Air, Single Entry with On/Off Valve
		Point of entry	Catalyst Mid-Bed
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled Flow Tapered Stem
		Exhaust source	Exhaust Manifold
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
	Catalytic Converter	Type	COC Single Brick Transverse
		Number of	One
		Location(s)	Underbody
		Volume (L (in^3))	1.5 (92)
		Substrate type	Coated Ceramic Monolith
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Closed Industion System
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
	Discharges (to intake manifold, other)		Intake Manifold
	Air inlet (breather cap, other)		Compress or Inlet Adaptor
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Carbon Canister
		Carburetor	
	Vapor Storage provision (crankcase, canister, other)		Carbon Canister

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator)		One, Reverse Flow
Resonator no. & type		
Exhaust pipe	Branch o.d., wall thickness	
	Main o.d., wall thickness	
	Material	
Intermediate pipe	o.d. & wall thickness	63.5 X 1.75 (2.50 X .069)
	Material	Low Carbon Steel
Tail pipe	o.d. & wall thickness	57.2 X 1.75 (2.25 X .069)
	Material	Aluminized Low Carbon Steel

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code

3.8L/2V
(232 (CID)

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Vehicle & Engine Modifications, Exhaust Gas Recirculation, Air Injection
	Air Injection	Pump (type)	Vane
		Driven by	Poly-V-Belt
		Air distribution (head, manifold, etc.)	Intake Manifold, Cylinder Heat Catalyst
		Point of entry	Cylinder Head Exhaust Ports, Catalyst Mid-Bed
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled Flow
		Exhaust source	External Tube from Exhaust X-Over (Intake Manifold)
		Point of exhaust injection (spacer, carburetor, manifold, other)	Spacer
	Catalytic Converter	Type	Monolithic
		Number of	(2)
		Location(s)	Underbody & Toe-Board (L.O.)
		Volume (L (in^3))	Underbody - 55 In^3, Toe-Board - 42 In^3
		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
	Air inlet (breather cap, other)		Carburetor 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 (crankcase, canister, other)		Carbon Canister

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single with "Y" system
Muffler no. & type (reverse flow, straight thru, separate resonator)		One, Reverse Flow
Resonator no. & type		
Exhaust pipe	Branch o.d., wall thickness	
	Main o.d., wall thickness	
	Material	
Intermediate pipe	o.d. & wall thickness	50.8 x 1.75 (2.00 x .069)
	Material	Low Carbon Steel
Tail pipe	o.d. & wall thickness	47.8 x 1.37 (1.88 x .054)
	Material	Aluminized Low Carbon Steel

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	5.0L/4V

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Vehicle and Engine Modifications Plus Exhaust Gas Recirculation and Air Injection (a)
	Air Injection	Pump (type)	Vane
		Driven by	Poly-V-Belt
		Air distribution (head, manifold, etc.)	Cylinder Head and Catalyst
		Point of entry	Multiple
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Back Pressure
		Exhaust source	Intake Manifold Crossover
		Point of exhaust injection (spacer, carburetor, manifold, other)	Carburetor Spacer
	Catalytic Converter	Type	TWC Toe Board + TWC/COC Dual Brick Transverse
		Number of	Two
		Location(s)	Toe Board and Underbody
		Volume l. (in^3)	.69 (42) TB; .90 (55) +.90 (55) DBUB
		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	Carbon Canister
	Vapor Storage provision (crankcase, canister, other)		Carbon Canister

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single with "Y" System
Muffler no. & type (reverse flow, straight thru, separate resonator)		One, Reverse Flow
Resonator no. & type		N.A.
Exhaust pipe	Branch o.d., wall thickness	635 x .107 (2.50 x .042)
	Main o.d., wall thickness	635 x .107 (2.50 x .042)
	Material	Low Carbon Steel
Intermediate pipe	o.d. & wall thickness	63.5 x 1.75 (2.50 x .069)
	Material	Low Carbon Steel
Tail pipe	o.d. & wall thickness	63.5 x 1.75 (2.50 x .069)
	Material	Aluminum Low Carbon Steel

(a) Components may vary according to Engine Calibration.

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

Car Line MUSTANG
Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	2.3L/1V (140 CID)	2.3L/EFI TURBO

Electrical — Supply System

Battery	Voltage rtg. (V & total plates)	12 Volt		
	Minimum reserve cranking (a)	380	310	450
	SAE capacity (amps)	Automatic 45 AH	Manual 36AH	54 AH
	Location	Right - Front Corner or Engine Compartment		
Generator or alternator	Type and rating	3-Phase, Full Wave Bridge Rectified, Self-Limiting		
	Ratio (alt. crank/rev.)	2.31:1 (b)		
	Optional (type & rating) 10300	E1ZF-AA (40 Amp) Std (b)		
Regulator	Type 10316	Electronic (E2TF-AA)		

Electrical — Starting System

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

(a) Cold Cranking Amps at 0°F.

(b)

Optional Alternators (Non-A/C Application)	Drive Ratio
E1ZF-DA (40 Amps) With Power Steering	2.31:1
(A/C Application)	
E1ZF-CA (60 Amps) Less Power Steering	2.31:1
E1ZF-BA (60 Amps) With Power Steering	2.42:1

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	3.8L/2V (232 CID)	5.0L/4V (302 CID)

Electrical — Supply System

Battery	Voltage rtg (V & total plates)	12 Volt		
	Minimum reserve cranking (a)	380	310	
	SAE capacity (amps)	45 AH	36 AH	
	Location	Right Front of Engine Compartment		
Generator or alternator	Type and rating	3-Phase Full Wave Bridge Rectified, Self Limiting		
	Ratio (alt. crank/rev)	3.36:1 (b)	3.00:1	
	Optional (type & rating) 10300	E2DF-AA (60 Amp) Std. (b)	E1ZF-FA (60 Amp) Std. (b)	
Regulator	Type 10316	Electronic (E2TF-AA)		

Electrical — Starting System

Start motor	Current drain at 0°F	260-285 Amps	290-315 Amps
Motor drive	Engagement type	Positive	
	Pinion engages from (front, rear)	Front	

(a) Cold Cranking Amps at 0°F.

(b)

Optional Alternator	Drive Ratio
E25F-BA (60 Amp) 3.8L With A/C	3.36:1

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

Car Line MUSTANG

Model Year 1983 Issued Revised (•)

Engine Description/Carb. Engine Code	2.3L/1V (140 CID)	2.3L/EFI TURBO

Electrical — Ignition System

Type	Conventional (std., opt., n.a.)		N.A.	
	Trans-storized (std., opt., n.a.)		Breakerless Duraspark II	Breakerless-Comp.Cont.Spark Adv.
	Other (specify)		N.A.	
Coil	Make		Motorcraft	
	Model	-12029-	D5AE-AB	
	Current	Engine stopped — A	5.0	
		Engine idling — A	2.5	
Spark plug	Make		Motorcraft	Autolite
	Model		AWSF-44	AWSF-32
	Thread (mm)		14	
	Tightening torque (N-m (lb. ft.))		13.6-20 (10-15)	
	Gap		1.12 (.044)	0.86 (0.034)
Distributor	Make		Motorcraft	
	Model		E3ZE-DA (M/T) EA (A/T)	Universal

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. Hood Scoop (2.3L Turbo only).

Electrical — Instruments and Equipment

Speed-ometer	Type	Pointer
	Trip odometer (std., opt., n.a.)	Std.
EGR maintenance indicator		None
Charge indicator	Type	Ammeter (Shunt) 45° Pointer
	Warning device	None
Temperature indicator	Type	Electric Gauge, 45° Pointer
	Warning device	None
Oil pressure indicator	Type	Electric Gauge, 45° Pointer
	Warning device	None
Fuel indicator	Type	Electric Gauge, 45° Pointer
	Warning device	Low Fuel Warning Light in Console - Optional (a)
Wind-shield wiper	Type (standard)	Two-Speed Electric (Column Mounted Control)
	Type (optional)	Interval Wipe (Column Mounted Control)
	Blade length	406.4 (16.0)
	Swept area [cm^2 (in^2)]	4817.5 (746.9)
Wind-shield washer	Type (standard)	Electric Pump (Impeller Type)
	Type (optional)	None
	Fluid level indicator	Optional (Warning Light) (a)
Horn	Type	Air Electric
	Number used	One - Lo-Pitch
Other	See Page 9 C	(a) Electronic Graphic Display Indicator System in Console (Opt). Also Includes Lamp-out Indicator for Headlamps, Taillamps or Brake Lights.

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

Car Line MUSTANG
Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb Engine Code	3.8L/2V (232 CID)

Electrical — Ignition System

Type	Conventional (std., opt., n.a.)		N.A.
	Transistorized (std., opt., n.a.)		Duraspark II (Breakerless)
	Other (specify)		None
Coil	Make		Motorcraft
	Model		D5AE-AB
	Current	Engine stopped — A	5.0
		Engine idling — A	2.5
Spark plug	Make		Motorcraft
	Model		AWSF-52
	Thread (mm)		14
	Tightening torque (N-m (lb. ft.))		9-16 (7-12)
	Gap		1.12 (.044)
Distributor	Make		Motorcraft
	Model		E2SE-CA

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. Hood Scoop (2.3L Turbo only).

Electrical — Instruments and Equipment

Speedometer	Type	Pointer
	Trip odometer (std., opt., n.a.)	Std.
EGR maintenance indicator		None
Charge indicator	Type	Ammeter (Shunt) 45° Pointer
	Warning device	None
Temperature indicator	Type	Electric Gauge, 45° Pointer
	Warning device	None
Oil pressure indicator	Type	Electric Gauge, 45° Pointer
	Warning device	None
Fuel indicator	Type	Electric Gauge, 45° Pointer
	Warning device	Low Fuel Warning Light in Console - Optional (a)
Windshield wiper	Type (standard)	Two-Speed Electric (Column Mounted Control)
	Type (optional)	Interval Wipe (Column Mounted Control)
	Blade length	406.4 (16.0)
	Swept area (cm^2 ($in.^2$))	4817.5 (746.9)
Windshield washer	Type (standard)	Electric Pump (Impeller Type)
	Type (optional)	None
	Fluid level indicator	Optional (Warning Light) (a)
Horn	Type	Air Electric
	Number used	One - Lo-Pitch
Other	See Page 9 C	(a) Electronic graphic display indicator system in console (Opt.). Also includes lamp-out indicator for headlamps, taillamps or brakelights.

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	5.0L/4V (302 CID)

Electrical — Ignition System

Type	Conventional (std., opt., n.a.)		N.A.
	Transistorized (std., opt., n.a.)		Standard
	Other (specify)		N.A.
Coil	Make		Motorcraft
	Model		
	Current	Engine stopped — A	5.0
		Engine idling — A	2.5
Spark plug	Make		Motorcraft
	Model		ASF-42
	Thread (mm)		14mm
	Tightening torque (N·m (lb. ft.))		14 - 20.3 (10-15)
	Gap		(.044)
Distributor	Make		Ford
	Model		

Electrical — Suppression

Locations & Type	Capacitor in Alternator, Resistor Spark Plugs, Resistance Ignition Wire, Ground Cable - Engine to Dash, Hood Bond.

Electrical — Instruments and Equipment

Speedometer	Type	Pointer
	Trip odometer (std., opt., n.a.)	Optional
EGR maintenance indicator		None
Charge indicator	Type	Ammeter (Shunt) 45° Pointer
	Warning device	None
Temperature indicator	Type	Electric Gauge 45° Pointer
	Warning device	None
Oil pressure indicator	Type	Electric Gauge 45° Pointer
	Warning device	None
Fuel indicator	Type	Electric Gauge 45° Pointer
	Warning device	Low-Fuel Warning Light - Optional
Windshield wiper	Type (standard)	Two-Speed Electric (Column-Mounted Control)
	Type (optional)	Interval Wipe (Column-Mounted Control)
	Blade length	406.4 (16.0)
	Swept area (cm^2 (in^2))	6215.4 (963.4)
Windshield washer	Type (standard)	Electric Pump (Impeller Type) - Fluidic Spray
	Type (optional)	None
	Fluid level indicator	Optional - Warning Light
Horn	Type	Air Electric
	Number used	One Lo-Pitch
Other	See Page 9C	

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
- 6000 RPM Tachometer
- 8000 RPM Tachometer (Optional w/2.3L Turbo)
- Door Ajar Warning Light and Headlamps "On" Warning Buzzer (Optional)
- Indicator Light for Boost and Warning Light for Excessive Boost or Hot Engine Oil (w/Optional 2.3L Turbo)
- Shift-Up Indicator Light (w/Manual Transmission)
- Electronic Digital Clock (Optional, w/Console)

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (•) _____

Engine Description/Carb. Engine Code	2.3L/1V (140 CID)	2.3L/EFI TURBO

Transmissions

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

Manual Transmission

				(OPT.)	(b)	(a)
Number of forward speeds			Four	Five	Five	Five
Transmission ratios	In first		3.98:1	3.72:1	3.76:1	4.03:1
	In second		2.14:1	2.23:1	2.18:1	2.37:1
	In third		1.49:1	1.48:1	1.36:1	1.50:1
	In fourth		1.00:1	1.00:1	1.00:1	1.00:1
	In fifth		---	.76:1	.86:1	.86:1
	In overdrive		---			
	In reverse		3.99:1	3.59:1	3.76:1	3.76:1
Synchronous meshing (specify gears)			1st, 2nd, 3rd, 4th, (Also 5th w/5-Speed)			
Shift lever location			Floor			
Lubricant	Capacity (L (pt.))		1.3 (2.8)		2.2 (4.75)	
	Type recommended		ESP-M2C83-C		Dextron No. 2	
	SAE viscosity number	Summer	80			
		Winter	80			
		Extreme cold	--			

Clutch (Manual Transmission)

Make & type		Single Disc, Dry Plate	
Type pressure plate springs		Belleville Spring	
Total spring load (N (lb.))		4693 (1055)	
No. of clutch driven discs		One	
Clutch facing	Material	Woven Non-Asbestos	
	Manufacturer	Valeo	
	Part number	--	
	Rivets/plate	12	24
	Rivet size	3.6 x 5.6 (9/64 x 7/32)	
	Outside & inside dia.	216 x 146 (8.5 x 5.75)	
	Total eff. area (cm^2 (in^2))	397.1 (61.56)	
	Thickness	3.18 (.125)	
	Engagement cushion method	Torbend Disc	Segmented
Release bearing	Type & method of lubrication	Self-Centering, Angular Contact, Constant Running, Prepacked	
Torsional damping	Method: springs, friction material	Steel Coil Springs	

(a) 3.45 Axle Ratio
(b) 3.73 Axle Ratio Impending

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (•) _____

Engine Description/Carb. Engine Code	5.0L/4V (302 CID)	3.8L/2V (232 CID)

Transmissions

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

Manual Transmission

(NOT AVAILABLE)

Number of forward speeds			Four
Transmission ratios	In first		3.07:1
	In second		1.72:1
	In third		1.00:1
	In fourth		0.70:1
	In fifth		--
	In overdrive		--
	In reverse		3.07:1
Synchronous meshing (specify gears)			All Forward Gears
Shift lever location			Floor
Lubricant	Capacity [L (pt)]		2.1 (4.5)
	Type recommended		ESP-M2C83-C
	SAE viscosity number	Summer	80
		Winter	80
		Extreme cold	--

Clutch (Manual Transmission)

(NOT AVAILABLE)

Make & type		Single Disc, Dry Plate
Type pressure plate springs		Belleville Spring
Total spring load [N (lb)]		6890 (1549)
No. of clutch driven discs		One
Clutch facing	Material	Woven Asbestos
	Manufacturer	Raybestos
	Part number	--
	Rivets/plate	32
	Rivet size	3.6 x 5.6 (9/64 x 7/32)
	Outside & inside dia.	254 x 171 (10.0 x 6.75)
	Total eff. area [cm^2 ($in.^2$)]	552 (85.5)
	Thickness	3.48 (.137)
	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

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

Car Line MUSTANG
Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	2.3L/1V (140 CID)	2.3L/EFI TURBO

Automatic Transmission (NOT AVAILABLE)

Trade name		SelectShift (C-3)
Type (describe)		Torque Converter with Planetary Gears
Selector	Location	Floor and Column
	Ltr./No. designation	P R N D 2 1
Gear ratios	R	2.11:1
	D	1.00:1
	L_3	--
	L_2	1.47:1
	L_1	2.47:1
Max. upshift speed - drive range (km/h (mph))		123 (76.3)
Max. kickdown speed - drive range (km/h (mph))		120 (74.5)
Min. overdrive speed (km/h (mph))		--
Torque converter	Number of elements	Three
	Max. ratio at stall	2.90:1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	260.35 (10.25)
Lubricant	Capacity (refill L (pt.))	7.6 (16) Approx.
	Type recommended	ESP-M2C138-CJ
Special transmission features		Transmission can be locked in 1 or 2 Positions, Vacuum Controlled Throttle Valve.

Axle or Front Wheel Drive Unit

Type (front, rear)			Rear
Description			Semi-Floating Type with Cast Center and Overhung Pinion
Limited slip differential (type)			Cone Clutch Type
Drive pinion offset			25.4 (1.0)
Drive pinion (type)			Hypoid
No. of differential pinions			Two
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			Collapsible Spacer
Driving wheel bearing (type)			Straight Roller
Lubricant	Capacity (L (pt.))		1.5 (3.25) 1.6 (3.55) Traction-Lok
	Type recommended		ESP-M2C154-A EST-M2C118-A Traction-Lok
	SAE viscosity number	Summer	SAE 90
		Winter	SAE 90
		Extreme cold	SAE 90

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

Axle ratio or overall ratio		3.08:1	3.45:1	2.73:1	3.73:1
No. of teeth	Pinion	12	11	15	11
	Ring gear or gear	37	38	41	41
Ring gear o.d.		190.5 (7.5)	190.5 (7.5)	190.5 (7.5)	190.5 (7.5)
Transaxle	Transfer gear ratio	--			
	Final drive ratio	--			

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	3.8L/2V (232 CID)

Automatic Transmission

Trade name			SelectShift Automatic Transmission (LTC)
Type (describe)			
Selector	Location		Floor
	Ltr./No. designation		P R N D 2 1
Gear ratios	R		2.19:1
	D		1.00:1
	L_3		--
	L_2		1.46:1
	L_1		2.46:1
Max. upshift speed - drive range [km/h (mph)]			127 (78.0)
Max. kickdown speed - drive range [km/h (mph)]			117 (72.9)
Min. overdrive speed [km/h (mph)]			--
Torque converter	Number of elements		Three
	Max. ratio at stall		2.25:1
	Type of cooling (air, liquid)		Liquid
	Nominal diameter		305 (12)
Lubricant	Capacity [refill L (pt)]		10.4 (22)
	Type recommended		ESP-M2C166-H
Special transmission features			

Axle or Front Wheel Drive Unit

Type (front, rear)			Rear
Description			Semi-Floating Type With Cast Center and Overhung Pinion
Limited slip differential (type)			Cone Clutch Type
Drive pinion offset			25.4 (1.0)
Drive pinion (type)			Hypoid
No. of differential pinions			Two
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			Collapsible Spacer
Driving wheel bearing (type)			Straight Roller
Lubricant	Capacity [L (pt)]		1.5 (3.25) 1.6 (3.55) Traction-Lok
	Type recommended		ESP-M2C154-A EST-M2C118-A Traction-Lok
	SAE viscosity number	Summer	SAE 90
		Winter	SAE 90
		Extreme cold	SAE 90

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

Axle ratio or overall ratio		2.73:1	2.47:1
No. of teeth	Pinion	15	15
	Ring gear or gear	41	37
Ring gear o.d.		190.5 (7.5)	190.5 (7.5)
Transaxle	Transfer gear ratio	--	
	Final drive ratio	--	

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

Car Line MUSTANG
Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	5.0L/4V (302 CID)

Automatic Transmission (NOT APPLICABLE)

Trade name		
Type (describe)		
Selector	Location	
	Ltr./No. designation	
Gear ratios	R	
	D	
	L_3	
	L_2	
	L_1	
Max. upshift speed - drive range [km/h (mph)]		
Max. kickdown speed - drive range [km/h (mph)]		
Min. overdrive speed [km/h (mph)]		
Torque converter	Number of elements	
	Max. ratio at stall	
	Type of cooling (air, liquid)	
	Nominal diameter	
Lubricant	Capacity [refill L (pt)]	
	Type recommended	
Special transmission features		

Axle or Front Wheel Drive Unit

Type (front, rear)			Rear
Description			Locker Only, Semi-Floating, Overhung Pinion
Limited slip differential (type)			Cone
Drive pinion offset			25.4 (1.0)
Drive pinion (type)			Hypoid
No. of differential pinions			Two
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			Collapsible Spacer, Shim
Driving wheel bearing (type)			Straight Roller
Lubricant	Capacity [L (pt)]		1.6 (3.55)
	Type recommended		EST-M2C118-A
	SAE viscosity number	Summer	SAE 90
		Winter	SAE 90
		Extreme cold	SAE 90

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

Axle ratio or overall ratio		3.08:1
No. of teeth	Pinion	12
	Ring gear or gear	37
Ring gear o.d.		190.5 (7.5)
Transaxle	Transfer gear ratio	--
	Final drive ratio	--

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	2.3L/1V (140 CID)	2.3L/EFI TURBO

Propeller Shaft — Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			Internal Tuned Damper	
Outer diam. x length* x wall thickness	Manual 3-speed trans		N.A.	
	Manual 4-speed trans		76.2 X 1185.9 X 1.65 (a) (3.00 X 46.69 X .065)	
	Manual 5-speed trans Overdrive		76.2 X 1185.9 X 1.65 (b) (3.00 X 46.69 X .065)	76.2 X 1157.0 X 1.65 (c) (3.00 X 45.55 X .065)
	Overdrive		N.A.	
	Automatic transmission		76.2 X 1217.4 X 1.65 (d) (3.00 X 47.93 X .065)	
Inter-mediate bearing	Type (plain, anti-friction)		N.A.	
	Lubrication (fitting, prepack)		N.A.	
Slip yoke	Type		Plain	
	Number of teeth		M50D, HM4WR, C3-25	T5-28
	Spline o.d.		M50D, HM4WR, C3-28.321 (1.15) Max.	30.998 (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	
		Lubric. (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.

(a) HM4WR Manual
(b) M50D
(c) T5
(d) C-3

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Engine Description/Carb. Engine Code	3.8L/2V (232 CID)	5.0L/4V (302 CID)

Propeller Shaft -- Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			Straight Tube With Cardboard Liner	Internal Tuned Damper
Outer diam x length* x wall thickness	Manual 3-speed trans		N.A.	
	Manual 4-speed trans		69.9 X 1159.8 X 1.65 (a) (2.75 X 45.66 X .065)	
	Manual 5-speed trans		N.A.	
	Overdrive		N.A.	
	Automatic transmission		69.9 X 1181.4 X 1.65 (b) (2.75 X 46.51 X .065)	N.A.
Intermediate bearing	Type (plain, anti-friction)		N.A.	
	Lubrication (fitting, prepack)		N.A.	
Slip yoke	Type		Plain	
	Number of teeth		C5CC-28	SROD-28
	Spline o.d.		28.321 (1.15) Maximum	30.998 (1.22) Maximum
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	
		Lubric. (fitting, prepack)	Pre-Pack	
Drive taken through (torque tube, arms or springs)			Control Arms	
Torque taken through (torque tube, arms or springs)			Control Arms	

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

(a) SROD
(b) C5CC

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (•) _____

Engine Description/Carb. Engine Code	ALL MODELS

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P185/75R14 BSW
	Type (bias, radial, etc.)		Steel Belted Radial
	Inflation pressure (cold) for recommended max vehicle load	Front (kPa (psi))	241 (35)
		Rear (kPa (psi))	241 (35)
	Rev/mile – at 70 km/h (45 mph)		1385.6 (861)
Wheels	Type & material		Steel Stamped
	Rim (size & flange type)		356 x 127 (14 x 5) JJ
	Wheel offset		28.45 (1.12)
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	108 (4.25)
		Number & size	Four – $\frac{1}{2}$ – 20
Spare	Tire and wheel (same, if other describe)		B78-14 (Economy Spare) with 14 x 5.0 Steel Wheel 250 kPa 36 PSI
	Storage position & location (describe)		Flat Position, Deep Well in Trunk

Tires And Wheels (Optional)

Size (load range, ply)		P185/75R14 WSW
Type (bias, radial, etc.)		Steel Belted Radial
Wheel (type & material)		Styled Steel
Rim (size, flange type and offset)		356 x 127 (14 x 5.5) JJ, 28.45 (1.12) Offset
Size (load range, ply)		P195/75R14 WSW
Type (bias, radial, etc.)		Steel Belted Radial
Wheel (type & material)	(a)	Styled Steel or Cast Aluminum
Rim (size, flange type and offset)		356 x 127 (14 x 5.5) JJ, 28.45 (1.12) Offset
Size (load range, ply)		P205/70R14 BSW (Handling Only)
Type (bias, radial, etc.)		Steel Belted Radial
Wheel (type & material)	(a)	Styled Steel or Cast Aluminum
Rim (size, flange type and offset)		356 x 127 (14 x 5.5) JJ, 28.45 (1.12) Offset
Size (load range, ply)		220/55R390 BSW
Type (bias, radial, etc.)		Steel Belted Radial
Wheel (type & material)		TRX Forged Aluminum
Rim (size, flange type and offset)		390 x 150 (15.35 x 5.9), 25.4 (.99) Offset
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		Base Steel Road Wheel 14 x 5.0 or 14 x 5.5 with Tire Matching Other Four Tires (Conventional Spare). Flat Position, Deep Well in Trunk

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)	– –
	Drum diameter	– –
	Lining size (length x width x thickness)	– –

(a) Cast Aluminum Optional for All 14" Tires; 14 x 5.5 JJ Rim w/28.4 (1.12) Offset

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

Car Line MUSTANG

Model Year 1983 Issued 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.)				Optional With 2.3L Engine; Mandatory With All Others
Booster type (remote, integral, vac., hyd., etc.)				220 (8.66) Single Diaphragm - Integral Vacuum
Anti-skid device type (std., opt., n.a.)				N.A.
Effective area [cm^2 ($in.^2$)]*				Front - 212 (32.9); Rear - 302.6 (46.9)
Gross lining area [cm^2 ($in.^2$)]**				Front - 231 (35.8); Rear - 331.6 (51.4)
Swept area [cm^2 ($in.^2$)]***				Front - 1140 (176.6); Rear - 638.7 (99.0)
Rotor	Outer working diameter		F	255.5 (10.06)
			R	--
	Inner working diameter		F	158.0 (6.22)
			R	--
	Thickness		F	22.1 (.87)
			R	--
	Material & type (vented/solid)		F	Cast Iron Vented (Non-Directional)
			R	--
Drum	Diameter (nominal)		F	--
			R	228.6 (9.0)
	Type and material			Composite Cast Iron Steel; Alum. w/C.I. Liner - Optional
Wheel cylinder bore	Front			59.9 (2.36)
	Rear			19.05 (.75)
Master cylinder	Bore			21.0 (.827)
	Stroke			35.4 (1.395) Manual; 37.3 (1.47) Power
Pedal arc ratio				5.80:1 Manual; 3.50:1 Power
Line pressure at 445 N (100 lb) pedal load [kPa (psi)]				
Lining clearance per shoe	Front			0.127 (.005)
	Rear			0.381 (.015)
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Riveted
		Rivet size		Inboard 4.6x10.2(.18x0.4) Outboard 4.6x7.5(.18x.295)
		Manufacturer		Thiokol - 2.3L; Bendix - All Others
		Lining code		TP-1353MFF; BX-XO-EE
		Material		Molded Asbestos-2.3L Semi-Metallic-All Others
		**** Size	Primary or out-board	155 x 44 x 10.2 (6.1 x 1.7 x 0.4)
			Secondary or in-board	119 x 44 x 10.2 (4.7 x 1.7 x 0.4)
		Shoe thickness (no lining)		5.1 (.203)
	Rear wheel	Bonded or riveted (rivets/seg.)		Riveted Primary 8 Secondary 10
		Manufacturer		Bendix FMD Primary 3198 Secondary 3199
		Lining code		PRI. BX RY FE SEC. BX PM FE
		Material		Molded Asbestos
		**** Size	Primary or out-board	155 x 44 x 4.7 (6.12 x 1.75 x .187)
			Secondary or in-board	219 x 44 x 6.2 (8.63 x 1.75 x .245)
		Shoe thickness (no lining)		1.709 (.0673)

* 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 thickness

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Body Type And/Or Engine Displacement	ALL MODELS

Steering

Manual (std., opt., n.a.)				Standard
Power (std., opt., n.a.)				Optional, Mandatory with 3.3L w/A/C & 5.0L
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt - 5 Positions
		(Std., opt., n.a.)		Optional. Requires Power Steering
Wheel diameter		Manual		Std. 381 (15); Opt: 368 (14.5)
		Power		Std. 381 (15); Opt: 368 (14.5)
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		11.39 (37.36)
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		
Manual	Gear	Type		Rack and Pinion
		Make		Cam Gear Ltd.
		Ratios	Gear	10.66 Deg./mm of Rack Travel
			Overall	24.93:1 on Center; 21.69:1 at Stops
	No. wheel turns (stop to stop)			4.08
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)
		Ratios	Gear	8.58 Deg./mm on Center; 7.91 Deg./mm at Stops
			Overall	20.03:1 on Center; 16.05:1 at Stops
	Pump (drive)			Belt Off Crankshaft Pulley
	No. wheel turns (stop to stop)			3.05
Linkage	Type			Rack & Pinion (Rod & Ball Joint Direct Attach. to Gear)
	Location (front or rear of wheels, other)			Front of Wheels
	Drag links (trans. or longit.)			N.A.
	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

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Body Type And/Or Engine Displacement	ALL MODELS

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	0.37° to 2.12° (a)
		Camber (deg.)	-0.5° or +1° (a)
		Toe-in [outside track-mm (in.)]	+5 (0.18) + 3 (0.12) (b)
	Service reset*	Caster	1.25° + 0.88° (a)
		Camber	+0.25° + 0.75° (a)
		Toe-in	+5 (0.18) + 3 (0.12) (b)
	Periodic M.V. inspection	Caster	-0.75° to +3.25°
		Camber	-1.25° to +1.75°
		Toe-in	-1.5 (0.06) to +17 (0.65)
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	- -
		Toe-in [outside track-mm (in.)]	- -
	Service reset*	Camber	- -
		Toe-in	- -
	Periodic M.V. inspection	Camber	- -
		Toe-in	- -

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

(a) Max. Side to Side Difference Not to Exceed 0.75°
(b) Steering Wheel Spokes (Clear Vision) Must be Within +10° of Horizontal After Toe Setting

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Body Type And/Or Engine Displacement	ALL MODELS

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 Arms
Provision for accl. squat control		Unequal Length Upper/Lower Control Arms (Rear Suspension)
Special provisions for car jacking		Side of Car - Outside Rocker Panel Flanges, Front & Rear
Shock absorber (front & rear)	Type	Direct DBl. Acting Hydraulic Front Struts & Rear Shocks
	Make	Motorcraft
	Piston diameter	Front: 34.8 (1.37); Rear: 25.4 (1.0)
Other special features		Scissors Jack & Wrench

Suspension — Front

Type and description		Hybrid McPherson Strut w/Springs Mounted on Lowr Control Arm
Travel	Full jounce	92.96 (3.66) at Wheel
	Full rebound	84.84 (3.34) at Wheel
Spring	Type (coil, leaf, other)	Coil
	Material	SAE 5160 Steel
	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 (0.614) (Bar Dia.)
	Spring rate [N/mm (lb./in.)]	Std. - 65.0 (370); Also Available: 69.4 (395), 72.0 (410)
	Rate at wheel [N/mm (lb./in.)]	20.14 (115)
Stabilizer	Type (link, linkless frameless)	Link; Rubber Side Rail Insulator
	Material & bar diameter	SAE 1090; Std. Bar - 22.3 (.94); Other Bars Avail: 25.4 (1.00) 28.5 (1.12)

Suspension — Rear

Type and description			Four Bar Link Coil Spring on Lower Arm
Drive and torque taken through			Upper & Lower Control Arms
Travel	Full jounce		78.5 (3.09)
	Full rebound		126.7 (4.99)
Spring	Type (coil, leaf, other)		Coil
	Material		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) 2732 x 13.0 (107.6 x 0.512)
	Spring rate [N/mm (lb./in.)]		28 (160) (a); 30.6 (175) (b)
	Rate at wheel [N/mm (lb./in.)]		13.5 (77.2); 14.8 (84.4)
	Mounting insulation (type)		Rubber - (Upper End Only)
	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; 14.0 (.55) Handling (Exc. 2.3L)
Track bar (type)			None

(a) All Std. Susp.; Handling - 2.3 Turbo, 3.8L, 5.0L, TRX-2.3L & 2.3L Turbo.
(b) Handling - 2.3L; TRX-3.8L, 5.0L.

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

Car Line MUSTANG
Model Year 1983 Issued _____ Revised (•) _____

Body Type	ALL MODELS

Body -- Miscellaneous Information

Type of finish (lacquer, enamel, other)		Enamel (Acrylic)
Hood	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	
	Release control (internal, external)	Primary - Internal, Secondary - External
Trunk lid	Type (counterbalance, other)	
	Internal release control (elec., mech., n.a.)	
Bumper front	Bar material & mass (wt.)	Polyurethane Fascia - 5.81b. (Must)/8.0 1b 8.01b (Capri)
	Reinforcement material & mass (wt.)	Reinf. Behind Fascia - HSLA 50 Steel - 29.3 1b.
Bumper rear	Bar material & mass (wt.)	Polyurethane Fascia - 9.5 1b (Must) 12.3 1b (Capri)
	Reinforcement material & mass (wt.)	Reinf. Behind Fascia - HSLA 50 Steel - 29.6 1b.
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Seat cushion type	Front	Stamped Frame - Coil Spring & Flexolator - Foam Pad
	Rear	Integral Frame & Foam Pad Assembly
	3rd seat	None
Seat back type	Front	Stamped Frame - Foam Pad
	Rear	Frame Hard Board with Foam Pad Assembly (a)
	3rd seat	None
Vehicle ident. no. location		Cowl Top Panel

Passive Restraint System (NOT OFFERED)

Inflatable restraint system	Standard/ optional	
	Type of charging system	
	Location (stg whl., instru. panel, other)	
Passive seat belts	Standard/ optional	
	Power/ manual	
	2 or 3 point	
	Knee bar/ lap belt	

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized Construction (Bolt-On #2 Crossmember)

(a) Fold-Down Type Standard on Model 61

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Body Type	ALL MODELS

Convenience Equipment

Power windows	Side windows	Optional
	Vent windows	N.A.
	Backlight or tailgate	N.A.
Power seats (specify type as well as availability)		N.A.
Reclining front seat back (r-l or both)		Both Standard
Radio (specify type as well as availability)		AM - Standard Optional - AM/FM/Monaural; AM/FM/MPX; AM/FM/MPX/ Tape; AM/FM/MPX Cassette
Premium sound system (specify)		Available with any MPX Radio
Rear seat speaker		Standard with All Stereo Radio Options (Two Required)
Power antenna		N.A.
Clock		Digital Electronic - Optional
Air conditioner (specify type)		Optional-Integral on Inst. Panel (Multiple Outlets), Manual Control
Speed warning device		N.A.
Speed control device		Optional
Ignition lock lamp		N.A.
Dome lamp		Standard
Glove compartment lamp		Optional
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		N.A.
Map lamp		Optional-Dome/Swivel (Deleted w/Sun Roof opt. Incl. w/Opt. Lt Group)
Cornering lamp		N.A.
Rear window defroster electrically heated		Optional - All Models (Mandatory in New York State)
Rear window defogger		N.A.
T-bar roof (describe)		
Sun roof (describe)		
Theft protection—type		N.A.
Graphic Display Warning Indicator		Optional
Power Door Locks		Optional

FEATURE HIGHLIGHTS

(Manufacturers selected list of special vehicle features; indicate if new or model year introduced)

(REFER TO 1983 PRESS KIT FOR DETAILS)

BODY:

CHASSIS:

ENGINE:

ELECTRICAL:

OTHER:

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Model	Vehicle Mass (weight)							
	CURB MASS, kg (weight, lb)*			% PASS. MASS DISTRIBUTION				SHIPPING MASS, kg (weight, lb)**
				Pass In Front		Pass In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
2.3L, I-4 Engine								
Automatic Transmission								
L Model								
2-Door 66B	687	531	1218	45	55	19	81	1165
	(1514)	(1170)	(2684)					(2568)
GL Model								
2-Door 66B	690	534	1224	45	55	19	81	1171
	(1521)	(1178)	(2699)					(2583)
3-Door 61B	691	554	1245	45	55	19	81	1192
	(1523)	(1221)	(2744)					(2628)
GLX Model								
2-Door 66B	694	538	1232	45	55	19	81	1179
	(1531)	(1185)	(2716)					(2600)
3-Door 61B	694	557	1251	45	55	19	81	1198
	(1530)	(1227)	(2757)					(2641)
2-Door Convertible # B2L	704	572	1280	45	55	19	81	1227
	(1552)	(1255)	(2807)					(2691)
5.0L HO, V8 Engine								
4-Speed Manual Trans.								
GT Model								
3-Door 61B	782	565	1347	45	55	19	81	1294
	(1723)	(1246)	(2969)					(2853)

* Reference — SAE J1100a, Motor vehicle dimensions, curb weight definition.
** Shipping mass (weight) definition — Less Fuel and Coolant.
# With 4-Speed Transmission

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg. (weight, lb.)			Remarks
	Front	Rear	Total	
2.3L W/C3 Auto. Trans.	0	0	0	Base Powertrain
	(0)	(0)	(0)	
2.3LT W/T500 Trans.	37.6	3.6	41.2	Turbo-Charged
	(83)	(8)	(91)	
2.3L W/M50D Trans.	2.3	0	2.3	
	(5)	(0)	(5)	
2.3L W/M4WR Trans.	-4.1	-.5	-4.6	
	(9)	(-1)	(-10)	
3.8L W/C512 Auto. Trans.	34	4.1	38.1	
	(75)	(9)	(84)	
5.0L HO W/4SOD Trans.	82.5	18.1	100.6	
	(182)	(40)	(222)	
Rear Axles Locking:				
3.08 Ratio Locker	3.6	0	3.6	
	(8)	0	(8)	
3.45 Ratio Locker	2.7	0	2.7	
	(6)	(0)	(6)	
2.73 Ratio Locker	2.7	0	2.7	
	(6)	(0)	(6)	
Tires:				
P185/75R-14 WSW	.5	.5	1.0	Base Tire is P185/75R-14 BSW
	(1.2)	(1.2)	(2.4)	
P195/75R-14 WSW	1.4	1.4	2.8	
	(3)	(3)	(6)	
P205/70R-14 BSW	2	2	4	
	(4.4)	(4.4)	(8.8)	
P220/55R390 BSW	3.2	3.2	6.4	
	(7)	(7)	(14)	
Radios:				
Radio - AM	0	0	0	
	(0)	(0)	(0)	Base Radio
AM/FM Multiplex	.9	1.4	2.3	
	(2)	(3)	(5)	
AM/FM Multiplex Tape	2.3	1.4	3.7	
	(5)	(3)	(8)	
AM/FM/MPX-Cassette	1.4	1.8	3.2	
	(3)	(4)	(7)	
AM/FM/MPX-Quad 8 -	2.7	1.8	4.5	
Electronic	(6)	(4)	(10)	
AM/FM/MPX Search -	1.8	1.4	3.2	
Electronic	(4)	(3)	(7)	
AM/FM/MPX Search -	1.8	1.8	3.6	
Electronic Cassette	(4)	(4)	(8)	
Radio - AM Delete	-1.8	-.9	-2.7	
	(-4)	(-2)	(-6)	

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

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Optional Equipment Differential Mass (weight)*				
Equipment	MASS, kg. (weight, lb)			Remarks
	Front	Rear	Total	
Premium Sound - System	.5	1.8	2.3	
	(1)	(4)	(5)	
Air Conditioning:				
2.3LT-T50D - A/C	34.5	-2.7	31.8	
	(76)	(-6)	(70)	
2.3L - All with A/C	34.9	-2.7	32.2	
	(77)	(-6)	(71)	
3.8L - Auto - A/C	31.3	-2.7	28.6	
	(69)	(-6)	(63)	
5.0L HO 4SOD - A/C	28.1	-2.7	25.4	
	(62)	(-6)	(56)	
Battery - 54AH H/D	2.3	0	2.3	
	(5)	(0)	(5)	
Battery - 36 AH	-2.7	0	-2.7	
	(-6)	(0)	(-6)	
Battery - 45 AH	0	0	0	
	(0)	(0)	(0)	
Appearance Protection	.9	.9	1.8	
Group	(2)	(2)	(4)	
Brakes - Power Disc	2.7	0	2.7	
	(6)	(0)	(6)	
Power Steering	8.6	0	8.6	
	(19)	(0)	(19)	
Tilt Steering Column	.5	.5	1	
	(1)	(1)	(2)	
Speed Control	2.3	.5	2.8	
	(5)	(1)	(6)	
Power Equipment Group	.5	1	1.5	
	(1)	(2)	(3)	
Electric Rear Defroster	.5	-2.7	-2.2	
	1	(-6)	(-5)	
Power Side Windows	2.3	1.4	3.7	
	(5)	(3)	(8)	
Seats - High Back - Recl.	1.8	1.4	3.2	
	(4)	(3)	(7)	
Flip-Up Sunroof	2.7	6.3	9	
	(6)	(14)	(20)	
T-Roof Removable	7.7	9	16.7	
	(17)	(20)	(37)	
Suspension - Handling	2.3	3.2	5.5	
	(5)	(7)	(12)	
Wheels-Forged Alum(TRX)	-.6	-.6	-1.2	
	(-1.4)	(-1.4)	(-2.8)	
Wheels - Cast Alum.	-1.3	-1.3	-2.6	
	(-2.9)	(-2.9)	(-5.8)	

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

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

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg (weight, lb.) Front	Rear	Total	Remarks
Wheels - 5.5 In. Rim	.6	.6	1.2	Std. w/P205/70R-14 Tires
	(1.4)	(1.4)	(2.8)	
Wheel Covers - Deluxe	.9	.9	1.8	
	(2)	(2)	(4)	
Wheel Covers - Wire	2.3	2.7	5	
	(5)	(6)	(11)	
Top - Vinyl	.5	.9	1.4	
	(1)	(2)	(3)	
Console	1.8	1.8	3.6	
	(4)	(4)	(8)	
Floor Mats - Front	.9	.5	1.4	
	(2)	(1)	(3)	
Window Wiper - Rear	-.5	4.5	4.0	
	(-1)	(10)	(9)	

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

MVMA Specifications Form
Passenger Car

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

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 J1100a "Motor Vehicle Dimensions," unless otherwise specified.

Body Type	SAE Ref. No.	2-DOOR (66B)	3-DOOR (61B)
Width			
Tread (front)	W101	1438 (56.6)	
Tread (rear)	W102	1448 (57.0)	
Vehicle width	W103	1754 (69.1)	
Body width at Sg RP (front)	W117	1727 (68.0)	
Vehicle width (front doors open)	W120	3898 (153.5)	
Vehicle width (rear doors open)	W121	--	
Length			
Wheelbase	L101	2550 (100.4)	
Vehicle length	L103	4549 (179.1)	
Overhang (front)	L104	1003 (39.5)	
Overhang (rear)	L105	995 (39.2)	
Upper structure length	L123	2352 (92.6)	2433 (95.8)
Rear wheel C/L "X" coordinate	L127	2194 (86.4)	
Cowl point "X" coordinate	L125	205 (8.2)	
Height*			
Passenger distribution (frt./rear)	PD1,2,3	2/1	
Trunk/cargo load		45.4 (100)	
Vehicle height	H101	1319 (51.9)	
Cowl point to ground	H114	954 (37.6)	
Deck point to ground	H138	886 (34.9)	901 (35.5)
Rocker panel-front to ground	H112	192 (7.6)	
Bottom of door closed-front to grd	H133	257 (10.1)	
Rocker panel-rear to ground	H111	169 (6.7)	
Bottom of door closed-rear to grd	H135	N.A.	
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	H106	18.6°	
Angle of departure	H107	18.6°	
Ramp breakover angle	H147	12.7°	
Rear axle differential to ground	H153	164 (6.5)	
Min. running ground clearance	H156	125 (4.9) (b)	
Location of min. run. grd. clear.		Converter Crass Shield	

All linear dimensions are in millimeters (inches) and all mass (weight) specifications are in kilograms (pounds).

* 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/SROD only) is 122 (4.8).

MVMA Specifications Form
Passenger Car

Car Line MUSTANG
Model Year 1983 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	2-DOOR (66B)	3-DOOR (61B)
Front Compartment			
Sg RP front, "X" coordinate	L31	3034 (40.7)	
Effective head room	H61	944 (37.2)	
Max. eff. leg room (accelerator)	L34	1059 (41.7)	
Sg RP (front to heel)	H30	224 (8.8)	
Design H-point front travel	L17	155 (6.1)	
Shoulder room	W3	1417 (55.8)	
Hip room	W5	1420 (55.9)	
Upper body opening to ground	H50	1199 (47.2)	
Steering wheel angle	H18	23.0°	
Back angle	L40	25.0°	
Rear Compartment			
Sg RP Point couple distance	L50	701 (27.6)	
Effective head room	H63	912 (35.9)	902 (35.5)
Min. effective leg room	L51	754 (29.7)	
Sg RP (second to heel)	H31	256 (10.1)	
Knee clearance	L48	-20 (-0.80)	
Compartment room	L3	--	
Shoulder room	W4	1379 (54.3)	
Hip room	W6	1197 (47.1)	
Upper body opening to ground	H51	--	
Luggage Compartment			
Usable luggage capacity (L (cu. ft.))	V1	0.2832 (10.0)	30.5 (12.0)
Liftover height	H195	757 (29.8)	

All linear dimensions are in millimeters (inches)

MVMA Specifications Form
Passenger Car

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	2-DOOR (66B)	3-DOOR (61B)

Station Wagon – Third Seat (NOT APPLICABLE)

Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
Effective T-point head room	H89	
Seat facing direction	SD1	

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	

Hatchback – Cargo Space

Front seat back to load floor height	H197	513	(20.2)		
Cargo length at front seat back height	L208	909	(35.8)		
Cargo length at floor (front)	L209	1692	(66.6)		
Cargo volume index [$m^3(ft^3)$]	V3	.92	(32.5)*	.85	(30.0)#
Hidden cargo volume [$m^3(ft^3)$]	V4				

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer

All dimensions are in millimeters (inches).

* With Hi-Back Seats

\# With Lo-Back Seats

MVMA Specifications Form
Passenger Car

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

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 under side of the front door rocker panels locates the "X" coordinate relative to body grid. X = 444 (17.5) Y = N.A.
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.

Fiducial Mark Number			
Front	W21	737	(29.0)
	L54	444	(17.5)
	H81	-27	(-1.1)
	H161	- -	- -
	H163	- -	- -
Rear	W22	737	(29.0)
	L55	1295	(51.0)
	H82	-35	(-1.4)
	H162	- -	- -
	H164	- -	- -

* Reference – SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks – September, 1973.
All linear dimensions are in millimeters (inches).

MVMA Specifications Form
Passenger Car

Car Line MUSTANG

Model Year 1983 Issued _____ Revised (*) _____

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref No.	ALL MODELS	
Glass		2-DOOR	3-DOOR
Backlight slope angle (deg)	H121	57.5°	62.3°
Windshield slope angle (deg)	H122	58.0°	
Tumble-Home (deg)	W122	24.9°	
Windshield glass exposed surface area [cm^2(in^2)]	S1	8114.0 (1257.6)	
Side glass exposed surface area [cm^2(in^2)]	S2	8312.7 (1288.4)	8101.1 (1255.6)
Backlight glass exposed surface area [cm^2(in^2)]	S3	8582.5 (1330.2)	8568.9 (1328.1)
Total glass exposed surface area [cm^2(in^2)]	S4	25009.2 (3876.2)	24784.1 (3841.3)
Windshield glass (type)		Laminated	
Side glass (type)		Tempered	
Backlight glass (type)		Tempered	

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	654.0 (25.8)
		Lowest	--
	Taillamp (H128)	Highest**	668.0 (26.3)
		Lowest	470.7 (19.3)
	Sidemarker	Front	
		Rear	622.3 (24.5)
Distance from C/L of car to center of bulb	Headlamp	Inside	432.9 (17.0)
		Outside**	615.7 (24.2)
	Taillamp	Inside	573.2 (22.6)
		Outside**	682.0 (26.9)
	Directional	Front	476.7 (18.8)
		Rear	462.8 (18.2)
Headlamp shape			Rectangular - Dual

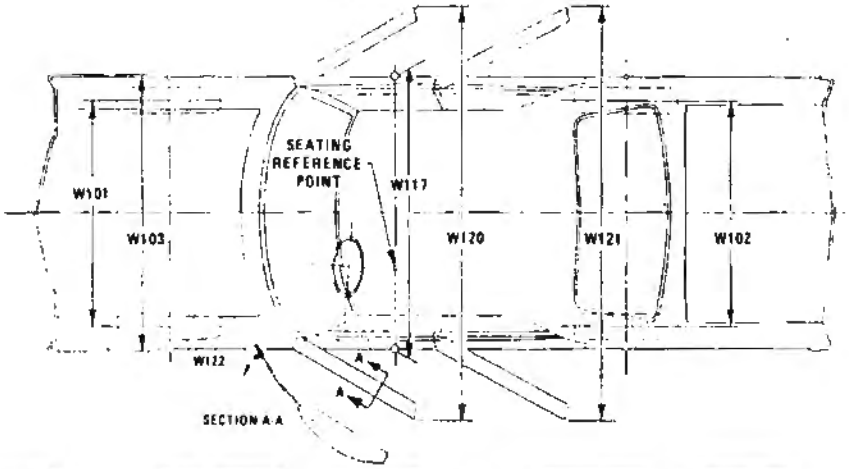
* Measured at curb mass (weight)

** If single lamps are used enter here

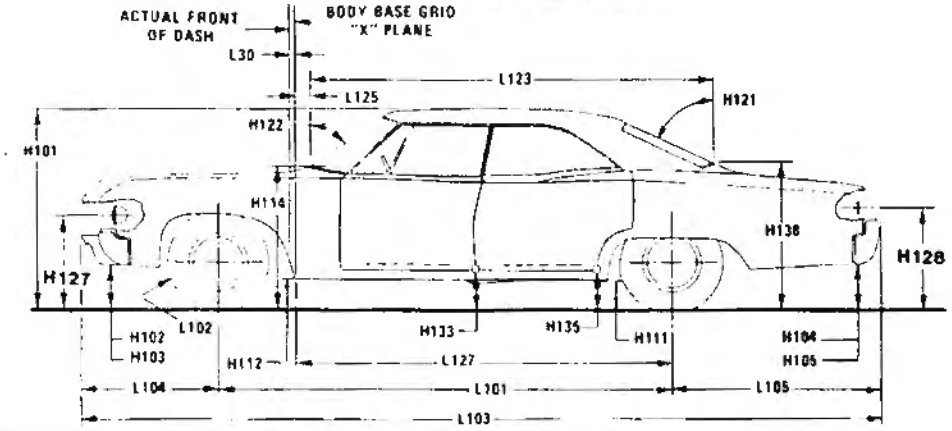
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions — Key Sheet

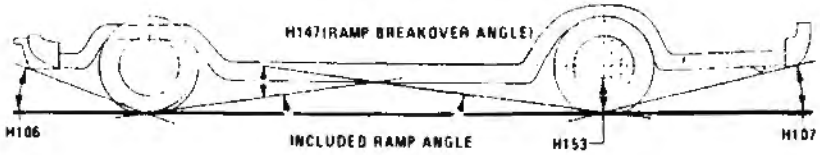
Exterior Width



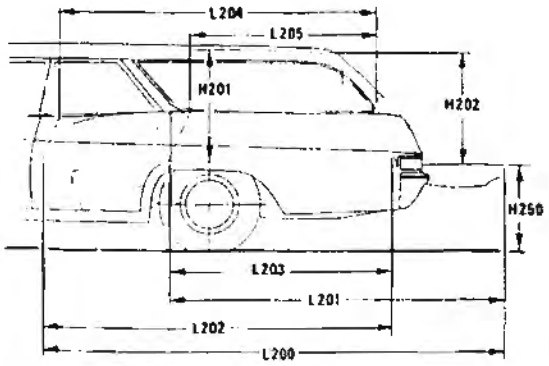
Exterior Length & Height



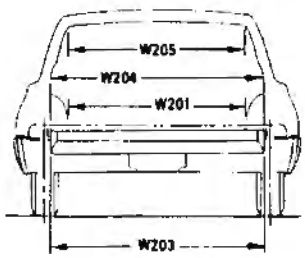
Exterior Ground Clearance

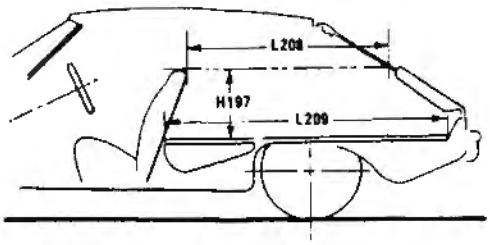


Cargo Space



Station Wagon



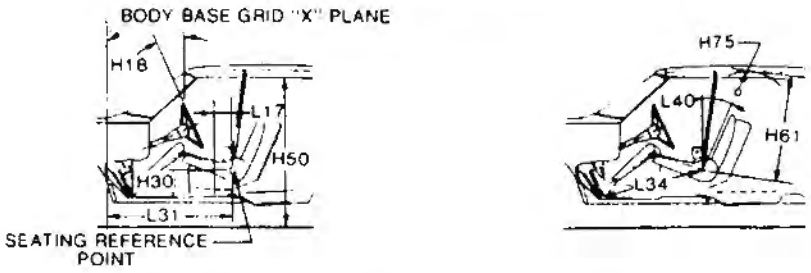


Hatchback

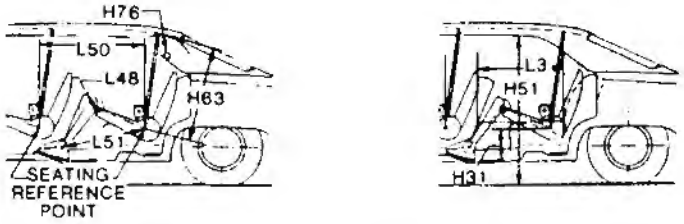
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions — Key Sheet

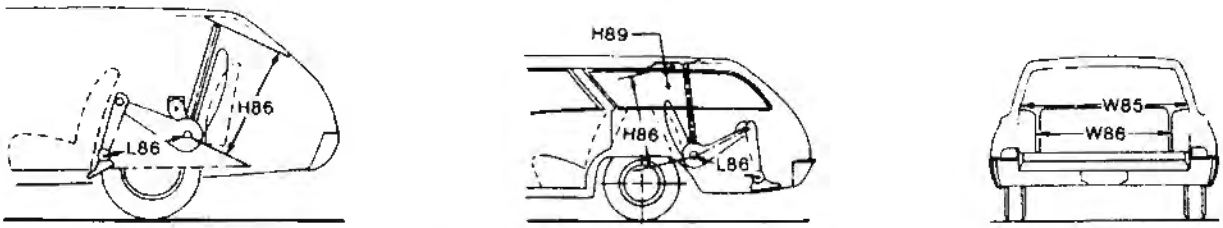
Front Compartment



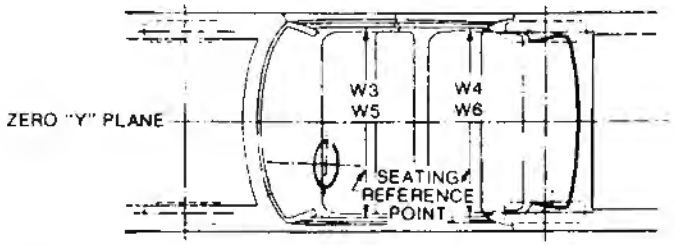
Rear Compartment



Third Seat



Interior Width



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, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

Width Dimensions

W101 TREAD—FRONT. The dimension measured between the tire centerlines at the ground.

W102 TREAD—REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.

W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.

W117 BODY WIDTH AT SgRP—FRONT. The dimension measured laterally between the widest points on the body at the SgRP-front, excluding door handles, applied moldings, or appliques.

W120 VEHICLE WIDTH—FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.

W121 VEHICLE WIDTH—REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.

W122 TUMBLE HOME, STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.

Length Dimensions

L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash in forward of the zero "X" plane.

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.

L102 TIRE SIZE. As specified by the manufacturer.

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.

L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be in the midpoint of the distance between the rear axle centerlines.

L125 COWL POINT "X" COORDINATE.

Height Dimensions

H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.

H114 COWL POINT TO GROUND. Measured at zero "Y" plane.

H138 DECK POINT TO GROUND. Measured at zero "Y" plane.

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.

H132 BOTTOM OF DOOR OPEN—FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, 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.

H134 BOTTOM OF DOOR OPEN—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open 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.

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 are 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 dimensional 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.

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.

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

Interior Car And Body Dimensions – Key Sheet
Dimensions Definitions

H103 FRONT BUMPER TO GROUND CURB MASS (WT.). Measured in the same manner as H104.

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 are 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 are the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.

H147 REAR 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.

Front Compartment Dimensions

PD1 PASSENGER DISTRIBUTION—FRONT.

L31 SgRP—FRONT "X" COORDINATED.

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.).

H75 EFFECTIVE T-POINT HEAD ROOM—FRONT. The minimum radius from the T-point to the headlining plus 762 mm (30 in.).

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.

H30 SgRP—FRONT TO HEEL. The dimension measured vertically from the SgRP—front to the accelerator heel point.

L17 DESIGN H-POINT—FRONT TRAVEL. The dimension measured horizontally between the design H-point—front in the foremost and rearmost seat trace positions.

W3 SHOULDER ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP—front within the belt line and 254 mm (10.0 in.) above the SgRP—front.

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 the SgRP—front.

H150 UPPER BODY OPENING TO GROUND—FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP—front "X" plane.

H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.

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.

Rear Compartment Dimensions

PD2 PASSENGER DISTRIBUTION—SECOND.

L50 SgRP COUBLE DISTANCE. The dimension measured horizontally from the driver SgRP—front to 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.).

H76 EFFECTIVE T-POINT HEAD ROOM—SECOND. Measured in the same manner as H75.

L51 MINIMUM EFFECTIVE LEG ROOM—SECOND. The dimension measured along a line from the ankle pivot center to the SgRP—second plus 254 mm (10.0 in.).

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.

L48 KNEE CLEARANCE—SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 51 mm (2.0 in.).

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.

W4 SHOULDER ROOM—SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP—second within 254-406 mm (10.0-16.0 in.) above the SgRP—second.

W6 HIP ROOM—SECOND. Measured in the same manner as W5.

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.

Luggage Compartment Dimensions

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

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

Station Wagon – Third Seat Dimensions

PD3 PASSENGER DIRECTION—THIRD.

W85 SHOULDER ROOM—THIRD. Measured in the same manner as W5.

W86 HIP ROOM— THIRD. Measured in the same manner as W5.

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.).

H86 EFFECTIVE HEAD ROOM—THIRD. The dimension, measured along a line 8 deg. from the SgRP—third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).

H89 EFFECTIVE T-POINT HEAD ROOM—THIRD. Measured in the same manner as H75.

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

Interior Car And Body Dimensions – Key Sheet
Dimensions Definitions

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 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 back panel at the height of the belt, on the zero "Y" plane.

L205 CARGO LENGTH AT BELT–SECOND. The minimum dimension measured horizontally from the back of the second seatback at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.

W201 CARGO WIDTH–WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.

W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.

W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.

W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.

H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.

H250 TAILGATE TO GROUND (CURB MASS WT.). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

V2 STATION WAGON

Measured in inches:

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

Measured in mm

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

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

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).

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

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.

V3 HATCHBACK.

Measured in inches:

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

Measured in mm:

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

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

Index