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MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC(U.S. Customary)

Passenger Car

1987

Manufacturer	Car Line	
FORD MOTOR COMPANY	MUSTANG	
Mailing Address		
P.O. BOX 2053 DEARBORN, MICHIGAN 48121	Issued APRIL, 1986	Revised DECEMBER, 1986

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

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. This specification form was developed by the automobile manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc.

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

Blank Forms Provided by Technical Affairs Division

mvma

Motor Vehicle Manufacturers Association
of the United States, Inc.

MVMA-C-87

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) _____

Engine Description/Carb. Engine Code	2.3L

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		Inline, Front, Longitudinal, (SOHC) Single Overhead Cam, with Modified Wedge Combustion Chambers
Manufacturer		Ford Motor Company
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 & mass kg (lbs.) (machined)		Cast Iron & 45.4 (100)
Cylinder block deck height		212.55 (8.36)
Cylinder block length		
Deck clearance (minimum) (above or below block)		0.178 (0.007) Above
Cylinder head material & mass kg (lbs.)		Cast Iron & 24.5 (54)
Cylinder head volume (cm^3)		56.6
Cylinder liner material		N/A
Head gasket thickness (compressed)		1.09 (0.043)
Minimum combustion chamber total volume (cm^3)		76.9
Cyl. no. system (front to rear)*	L. Bank	1, 2, 3, 4
	R. Bank	—
Firing order		1, 3, 4, 2
Intake manifold material & mass [kg (lbs.)]**		Aluminum & 2.8 (6.3)
Exhaust manifold material & mass [kg (lbs.)]**		Cast Iron & 4.2 (9.3)
Recommended fuel (leaded, unleaded, diesel)		Unleaded
Fuel antiknock index $\frac{(R+M)}{2}$		87 Minimum Octane
Total dressed engine mass (wt) dry***		174.3 (384.3)

Engine — Pistons

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

Engine — Camshaft

Location		Cylinder Head
Material & mass kg (weight, lbs.)		Hardenable Cast Iron
Drive type	Chain/belt	Belt
	Width/pitch	21.8-22.8 (0.86-0.90)/9.52 (0.37)

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

**Finished state.

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

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) 12/86

Engine Description/Carb. Engine Code	5.0L

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		90°V, Front, Longitudinal, (OHV) Overhead Valve, Modified Wedge Combustion Chambers
Manufacturer		Ford Motor Company
No. of cylinders		Eight
Bore		101.6 (4.00)
Stroke		76.2 (3.00)
Bore spacing (C/L to C/L)		111.3 (4.38) & 56.7 (125)
Cylinder block material & mass kg (lbs.) (machined)		Cast Iron
Cylinder block deck height		208.4 (8.20)
Cylinder block length		
Deck clearance (minimum) (above or below block)		.343 (.0135) Above
Cylinder head material & mass kg (lbs.)		Cast Iron & 20.9 (46.0)
Cylinder head volume (cm^3)		60.6-63.6
Cylinder liner material		N/A
Head gasket thickness (compressed)		1.04-1.19 (0.041-0.047)
Minimum combustion chamber total volume (cm^3)		75.0
Cyl. no. system (front to rear)*	L. Bank	5, 6, 7, 8
	R. Bank	1, 2, 3, 4
Firing order		1, 3, 7, 2, 6, 5, 4, 8
Intake manifold material & mass [kg (lbs.)]**		Alumium & 16.8 (37.0)
Exhaust manifold material & mass [kg (lbs.)]**		Stainless Steel Headers & 5.4 (12.0)
Recommended fuel (leaded, unleaded, diesel)		Unleaded
Fuel antiknock index $\frac{(R+M)}{2}$		87 Minimum Octane
Total dressed engine mass (wt) dry***		244 (536.9)

Engine — Pistons

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

Engine — Camshaft

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

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

**Finished state.

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

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

SUPPLEMENTAL PAGE

Car Line MUSTANG

Model Year 1987 Issued 4/86 Revised (●) _____

Electrical — Instruments and Equipment: (Cont'd)

- Brake System Warning Light
- Emergency Flashers
- Directional Turn Signal Lights
- Hi-Beam Indicator Light
- Fasten Seat Belts Warning Light
- Headlamps "ON" Warning Buzzer
- Up-Shift Indicator Light (Manual 5-Speed Only)

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) 12/86

Engine Description/Carb. Engine Code	2.3L (MANUAL TRANS.)	(AUTOMATIC TRANS.)

Electrical — Supply System

(●) Battery	Manufacturer	Johnson Controls Inc. or G&B		
	Model, std., (opt.)	Standard	Option	Incl. w/Opt. Auto. Trans.
	Voltage	12		
	Amps at 0°F cold crank	460	540	540
	Minutes-reserve capacity	82	100	100
	Amp/hrs. - 20 hr. rate	48	58	58
	Location	Left-Hand Front of Engine Compartment		
Alternator	Manufacturer	Ford (EED Rawsonville)		
	Rating	E7SF-AA (65 Amp)		
	Ratio (alt. crank/rev.)	2.68:1		
	Optional (type & rating)	N/A		
Regulator	Type	Electronic — Integral with Alternator		

Electrical — Starting System

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

Electrical — Ignition System

Type	Electronic (std., opt., n.a.)		Standard
	Other (specify)		N/A
Coil	Make		Motorcraft
	Model		E3EF-AA
	Current	Engine stopped — A	6.5
		Engine idling — A	Motorcraft
Spark plug	Make		AWSF-44C
	Model		14
	Thread (mm)		7.0-14.0 (5-10)
	Tightening torque [N-m (lb, ft)]		1.12 (0.044)
	Gap		One
	Number per cylinder		Motorcraft
Distributor	Make		Universal
	Model		

Electrical — Suppression

Locations & type	Capacitor in Alternator, Resistor Spark Plugs and Resistance Core Ignition Wire. Ground Cable — Engine to Dash Ground Cable, Hood Bond, RF Shielding Material. Choke Filter — w/Graphic Equalizer Only

MVMA Specifications Form
Passenger Car

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) 6/86

METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

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

Body Type	SAE Ref. No.	2-DOOR SEDAN	CONVERTIBLE	2-DR. HATCHBACK (EXCEPT GT)	GT ONLY 2-DR. HATCHBACK
Width					
Tread (front)	W101	1438 (56.6)			
Tread (rear)	W102	1448 (57.0)			
Vehicle width	W103	1455 (69.1)			
Body width at Sg RP (front)	W117	1735 (68.3)			
Vehicle width (front doors open)	W120	3899 (153.5)			
Vehicle width (rear doors open)	W121	N/A			
Front fender overall width	W106	1717 (67.6)			
Rear fender overall width	W107	1755 (69.1)			
Tumble-home (deg.)	W122	25.2°	25.4°	25.2°	
(•) **Length**					
Wheelbase	L101	2553 (100.5)			
Vehicle length	L103	4562 (179.6)			
Overhang (front)	L104	1016 (40.0)			
Overhang (rear)	L105	993 (39.1)			
Upper structure length	L123	2352 (92.6)		2433 (95.8)	
Rear wheel C/L "X" coordinate	L127	2195 (86.4)			
Cowl point "X" coordinate	L125	208 (8.2)			
Front end length at centerline	L126	1405 (55.3)			
Rear end length at centerline	L129	528 (20.8)		384 (15.1)	
Height*					
Passenger distribution (front/rear)	PD1,2,3	2/1			
Trunk/cargo load		0			
Vehicle height	H101	1323 (52.1)	1317 (51.9)	1323 (52.1)	
Cowl point to ground	H114	959 (37.7)			
Deck point to ground	H138	892 (35.1)		907 (35.7)	
Rocker panel-front to ground	H112	193 (7.6)			
Bottom of door closed-front to grd.	H133	257 (10.1)			
Rocker panel-rear to ground	H111	170 (6.7)			
Bottom of door closed-rear to grd.	H135	N/A			
Windshield slope angle	H122	58°			
Backlight slope angle	H121	57.4°		62.0°	
Ground Clearance*					
Front bumper to ground	H102	387 (15.2) (a)			
Rear bumper to ground	H104	336 (13.2) (a)			
Bumper to ground [front at curb mass (wt.)]	H103	392 (15.4) (a)			
Bumper to ground [rear at curb mass (wt.)]	H105	396 (15.6) (a)			
Angle of approach (degrees)	H106	16.8°			15.0°
Angle of departure (degrees)	H107	18.6°			13.5°
Ramp breakover angle (degrees)	H147	12.7°			
Axle differential to grd. (front/rear)	H153	155 (6.1)			
Min. running ground clearance	H156	115 (4.5)			
Location of min. run. grd. clearance		Converter Grass Shield			

*All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified.
Manufacturer's Design Load Weight is defined with indicated passenger distribution and truck/cargo load.
All linear dimensions are in millimeters (inches) unless otherwise noted.
(a) Bottom of the bumper through 1/4" Pilot Hole.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) 12/86

Body Type	SAE Ref. No.	2-DOOR SEDAN	CONVERTIBLE	2-DOOR HATCHBACK
Front Compartment				
SgRP front, "X" coordinate	L31	3034 (40.7)		
Effective head room	H61	940 (37.0)	955 (37.6)	940 (37.0)
Max. eff. leg room (accelerator)	L34	1059 (41.7)		
SgRP to heel point	H30	223 (8.8)		
SgRP to heel point	L53	859 (33.8)		
Back angle	L40	25°		
Hip angle	L42	93.9°		
Knee angle	L44	123.3°		
Foot angle	L46	87°		
Design H-point front travel	L17	178 (7.0)		
Normal driving & riding seat track trvl.	L23	155 (6.1)		
Shoulder room	W3	1407 (55.4)		
Hip room	W5	1425 (56.1)		
Upper body opening to ground	H50	1204 (47.4)		
Steering wheel maximum diameter*	W9	368 (14.5)		
Steering wheel angle	H18	23.5°		
Accel. heel pt. to steer. whl. center	L11	513 (20.2)		
Accel. heel pt. to steer. whl. center	H17	599 (23.6)		
Steering wheel to C/L of thigh	H13	86 (3.4)		
Steering wheel torso clearance	L7	343 (13.5)		
Headlining to roof panel (front)	H37	23 (0.9)		
Undepressed floor covering thickness	H67	20 (0.8)		
Rear Compartment				
SgRP point couple distance	L50	701 (27.6)		
Effective head room	H63	912 (35.9)	940 (37.0)	904 (35.6)
Min. effective leg room	L51	780 (30.7)		
SgRP (second to heel)	H31	257 (10.1)		
Knee clearance	L48	−46 (−1.8)		
Compartment room	L3	584 (23.0)	561 (22.1)	607 (23.9)
Shoulder room	W4	1379 (54.3)	1242 (48.9)	1379 (54.3)
Hip room	W6	1196 (47.1)	978 (38.5)	1196 (47.1)
Upper body opening to ground	H51	N/A		
Back angle	L41	21°	19°	24°
Hip angle	L43	71°	70°	74°
Knee angle	L45	66.3°		
Foot angle	L47	111.8°		
Headlining to roof panel (second)	L38	23 (0.9)	N/A	
Depressed floor covering thickness	H73	20 (0.8)		
Luggage Compartment				
Usable luggage capacity [L (cu.ft.)]	V1	283 (10.0)	181 (6.4)	N/A
Liftover height	H195	759 (29.9)		
Interior Volumes (EPA Classification)				
Veh. class (subcompact, compact, etc.)		Subcompact		
Interior volume index (cu.ft.)		93.4	87.1	95.5
(●) Trunk/cargo index (cu.ft.)		10.0	6.4	12.3

*See page 14.

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

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1987

Manufacturer	Car Line	
FORD MOTOR COMPANY	MUSTANG	
Mailing Address		
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Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) 10/86

Car Models

	Model Description & Drive (FWD/RWD)	Introduction Date	Make, Car Line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load—Kilograms (Pounds)
(•)	% **LX MODEL**	11/86			
	2-Door Sedan		66B/HVS	2/2	45.4 (100)
	2-Door Convertible		66B/HVS (B2L)	2/2	45.4 (100)
	2-Door Hatchback		61B/HVS	2/2	45.4 (100)
(•)	% **GT MODEL**	11/86			
	2-Door Convertible		66B/HVB	2/2	45.4 (100)
	2-Door Hatchback		61B/HVB	2/2	45.4 (100)

% Rear Wheel Drive (RWD)

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) 6/86

Power Teams (Indicate whether standard or optional)
SAE J1349 Net bhp (brake horsepower) and net torque corrected to 77°F/25°C and 29.61 in. Hg/100 kPa atmospheric pressure.

	SERIES AVAILABILITY	ENGINE					Exhaust S/D	TRANSMISSION/ TRANSAXLE	AXLE RATIO (std. first)
		Displ. Liters (in^3)	Carb. (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM Power kW (bhp)	SAE Net at RPM Torque N·m (lb.ft.)			
	50 STATES/CANADA/ALTITUDE								
(•)	LX Models Only	2.3 (140)	EFI	9.5	67 (90) 3800	176 (130) 2800	S	T5OD A4LD	3.45 3.73
(•)	All	5.0 HO (302)	EFI	9.2	168 (225) 4200	407 (300) 3200	D	T5OD	2.73T, 3.08T
(•)		5.0 HO (302)	EFI	9.2	168 (225) 4000	407 (300) 3200	D	AOD	2.73T, 3.08T

T5OD — 5-Speed Manual Overdrive
A4LD — 4-Speed Automatic Overdrive
AOD — 4-Speed Automatic Overdrive

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Passenger Car
METRIC (U.S. Customary)

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Model Year 1987 Issued 4/86 Revised (•) _____

Engine Description/Carb. Engine Code	2.3L

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		Inline, Front, Longitudinal, (SOHC) Single Overhead Cam, with Modified Wedge Combustion Chambers
Manufacturer		Ford Motor Company
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 & mass kg (lbs.) (machined)		Cast Iron & 45.4 (100)
Cylinder block deck height		212.55 (8.36)
Cylinder block length		
Deck clearance (minimum) (above or below block)		0.178 (0.007) Above
Cylinder head material & mass kg (lbs.)		Cast Iron & 24.5 (54)
Cylinder head volume (cm^3)		56.6
Cylinder liner material		N/A
Head gasket thickness (compressed)		1.09 (0.043)
Minimum combustion chamber total volume (cm^3)		76.9
Cyl. no. system (front to rear)*	L. Bank	1, 2, 3, 4
	R. Bank	—
Firing order		1, 3, 4, 2
Intake manifold material & mass [kg (lbs.)]**		Aluminum & 2.8 (6.3)
Exhaust manifold material & mass [kg (lbs.)]**		Cast Iron & 4.2 (9.3)
Recommended fuel (leaded, unleaded, diesel)		Unleaded
Fuel antiknock index $\frac{(R + M)}{2}$		87 Minimum Octane
Total dressed engine mass (wt) dry***		174.3 (384.3)

Engine — Pistons

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

Engine — Camshaft

Location		Cylinder Head
Material & mass kg (weight, lbs.)		Hardenable Cast Iron
Drive type	Chain/belt	Belt
	Width/pitch	21.8-22.8 (0.86-0.90)/9.52 (0.37)

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

**Finished state.

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

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Engine Description/Carb. Engine Code	5.0L

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		90°V, Front, Longitudinal, (OHV) Overhead Valve, Modified Wedge Combustion Chambers
Manufacturer		Ford Motor Company
No. of cylinders		Eight
Bore		101.6 (4.00)
Stroke		76.2 (3.00)
Bore spacing (C/L to C/L)		111.3 (4.38) & 56.7 (125)
Cylinder block material & mass kg (lbs.) (machined)		Cast Iron
Cylinder block deck height		208.4 (8.20)
Cylinder block length		
Deck clearance (minimum) (above or below block)		.343 (.0135) Above
Cylinder head material & mass kg (lbs.)		Cast Iron & 20.9 (46.0)
Cylinder head volume (cm^3)		60.6-63.6
Cylinder liner material		N/A
Head gasket thickness (compressed)		1.04-1.19 (0.041-0.047)
Minimum combustion chamber total volume (cm^3)		75.0
Cyl. no. system (front to rear)*	L. Bank	5, 6, 7, 8
	R. Bank	1, 2, 3, 4
Firing order		1, 3, 7, 2, 6, 5, 4, 8
Intake manifold material & mass [kg (lbs.)]**		Alumium & 16.8 (37.0)
Exhaust manifold material & mass [kg (lbs.)]**		Stainless Steel Headers & 5.4 (12.0)
Recommended fuel (leaded, unleaded, diesel)		Unleaded
Fuel antiknock index $\frac{(R + M)}{2}$		87 Minimum Octane
Total dressed engine mass (wt) dry***		244 (536.9)

Engine — Pistons

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

Engine — Camshaft

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

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

**Finished state.

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

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Engine Description/Carb. Engine Code	2.3L

Engine — Valve System

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

Engine — Connecting Rods

Material & mass [kg., (weight, lbs.)]*	Forged Steel, 0.63-0.64 (1.38-1.41)

Engine — Crankshaft

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

Engine — Lubrication System

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

Engine — Diesel Information (NOT OFFERED)

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

Engine — Intake System (NOT OFFERED)

Turbo charger - manufacturer	
Super charger - manufacturer	
Charge cooler	

*Finished State

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) _____

Engine Description/Carb. Engine Code	5.0L

Engine — Valve System

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

Engine — Connecting Rods

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

Engine — Crankshaft

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

Engine — Lubrication System

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

Engine — Diesel Information (NOT OFFERED)

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

Engine — Intake System (NOT OFFERED)

Turbo charger - manufacturer	
Super charger - manufacturer	
Charge cooler	

*Finished State

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) _____

Engine Description/Carb.
Engine Code

2.3L

Engine — Cooling System

Coolant recovery system (std., opt., n.a.)		Standard	
Coolant fill location (rad., bottle)		Radiator Fill	
Radiator cap relief valve pressure [kPa (psi)]		82.7-110.3 (12-16) (a)	
Circulation thermostat	Type (choke, bypass)	By-Pass	
	Starts to open at °C(°F)	87.91 (188-195)	
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 & Roller	
	Impeller material	Low Carbon Steel	
	Housing material	Cast Iron	
By-pass recirculation [type (inter., ext.)]		Internal	
Cooling system capacity	With heater-L(qt.)	8.2 (8.6)	
	With air cond.-L(qt.)	8.7 (9.2)	
	Opt. equipment [specify-L(qt.)]	N/A	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Water jackets open at head face (yes, no)		No	
Radiator core	Std., A/C, HD	Standard	HD & A/C
	Type (cross-flow, etc.)	Cross-Flow	
	Construction (fin & tube mechanical, braze, etc.)	Tube and Slit Fin	
	Material, mass [kg (wgt, lbs.)]	Copper, 5.9 (12.9)	
	Width	623.3 (24.5)	
	Height	453.1 (17.8)	
	Thickness	16.5 (0.65)	28.9 (1.14)
	Fins per inch	10 (A/T); 9 (M/T)	12
Radiator end tank material		Brass	
Fan	Std., elec., opt.	Standard	Optional
	Number of blades & type (flex, solid, material)	Four Uneven (Solid State)	Eight Even (Plastic)
	Diameter & projected width	406.6 (16.0) (b)	398.8 (15.7) (b)
	Ratio (fan to crankshaft rev.)	1.05:1	
	Fan cutout type	N/A	
	Drive type (direct, remote)	Belt, Direct	
	RPM at idle (elec.)	N/A	
	Motor rating (wattage) (elec.)	N/A	
	Motor switch (type & location) (elec.)	N/A	
	Switch point (temp., pressure) (elec.)	N/A	
	Fan shroud (material)	N/A	

(a) 96.5-124.1 (14-18) with A/C
(b) Projected Width: Standard — 35.3 (1.4); HD & AC — 46 (1.8)

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) _____

Engine Description/Carb. Engine Code	5.0L

Engine — Cooling System

Coolant recovery system (std., opt., n.a.)		Standard	
Coolant fill location (rad., bottle)		Radiator	
Radiator cap relief valve pressure [kPa (psi)]		97-124 (14-18)	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at °C(°F)	90-93 (193-200)	
Water Pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	Ten	
	Number of pumps	One	
	Drive (V-belt, other)	Poly V	
	Bearing type	Ball & Roller	
	Impeller material	Stamped Steel	
	Housing material	Aluminum	
By-pass recirculation [type (inter., ext.)]		External	
Cooling system capacity	With heater-L(qt.)	13.3 (14.1)	
	With air cond.-L(qt.)	13.3 (14.1)	
	Opt. equipment [specify-L(qt.)]	N/A	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Water jackets open at head face (yes, no)		No	
Radiator core	Std., A/C, HD	Standard	A/C
	Type (cross-flow, etc.)	Cross-Flow	
	Construction (fin & tube mechanical, braze, etc.)	Tube and Slit Fin	
	Material, mass [kg (wgt, lbs.)]	Copper, 5.9 (12.9)	
	Width	622.3 (24.5)	
	Height	453.1 (17.8)	
	Thickness	16.5 (0.65)	29.0 (1.64)
	Fins per inch	9	14
Radiator end tank material		Brass	
Fan	Std., elec., opt.	Standard	
	Number of blades & type (flex, solid, material)	9, Even, Plastic/Steel	
	Diameter & projected width	461 (18.2) & 55.9 (2.2)	
	Ratio (fan to crankshaft rev.)	1.13:1	
	Fan cutout type	Clutch	
	Drive type (direct, remote)	Belt, Direct	
	RPM at idle (elec.)	N/A	
	Motor rating (wattage) (elec.)	N/A	
	Motor switch (type & location) (elec.)	N/A	
	Switch point (temp., pressure) (elec.)	N/A	
	Fan shroud (material)	Filled Polymer	

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) _____

Engine Description/Carb. Engine Code	2.3L	5.0L

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

Induction type: carburetor, fuel injection system, etc.			Electronic Fuel Injection	
Manufacturer			N/A	
Carburetor	Choke (type)		N/A	
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	800 Neutral	
		Automatic	750 DR	N/A
Idle A/F mix.			14.6:1	
Fuel injection	Point of injection (no.)		Intake Ports (4)	Intake Ports (8)
	Constant, pulse, flow		Pulse Flow	Timed
	Control (electronic, mech.)		Electronic	
	System pressure [kPa (psi)]		269 (39)	270.3 (39.2)
Intake manifold heat control (exhaust or water thermostatic or fixed)			Water	None
Air cleaner type	Standard		Dry Replaceable Paper Element	
	Optional		N/A	
Fuel pump	Type (elec. or mech.)		Electric	
	Location (eng., tank)		Fuel Tank	
	Pressure range [kPa (psi)]		37.9-44.8 (5.5-6.5)	N/A

Fuel Tank

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

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

Car Line MUSTANG

Model Year 1987 Issued 4/86 Revised (●)

Engine Description/Carb. Engine Code	2.3L

Vehicle Emission Control

Exhaust Emission Control	Type (air injection engine modifications, other)		Vehicle & Engine Modifications, Exhaust Gas Recirculation; Air Injection
	Air Injection	Pump or Pulse	N/A
		Driven by	N/A
		Air distribution (head, manifold, etc.)	N/A
		Point of entry	N/A
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled Flow
		Exhaust source	External Tube
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
	Catalytic Converter	Type	TWC + COC Brick Transverse
		Number of	One
		Location(s)	Underbody
		Volume [L (in³)]	1.1 (66) + 1.3 (78)
		Substrate type	Coated Ceramic Monolith
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Closed Induction System
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
	Discharges (to intake manifold, other)		Intake Manifold
	Air inlet (breather cap, other)		VRA Cover
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Carbon Canister
		Carburetor	Ext. to Carbon Canister; Int. to Air Cleaner
	Vapor storage provision		Carbon Canister
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		Yes

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs.)]		One, Reverse Flow, Aluminized Low Carbon Steel & 9.5 (20.9)
Resonator no. & type		N/A
Exhaust pipe	Branch o.d., wall thickness	
	Main o.d., wall thickness	
	Material & Mass [kg (weight lbs.)]	
Intermediate pipe	o.d. & wall thickness	50.8 x 1.75 (2.0 x .069)
	Material & Mass [kg (weight lbs.)]	Aluminized Low Carbon Steel
Tail pipe	o.d. & wall thickness	44.5 x 1.37 (1.75 x .054)
	Material & Mass [kg (weight lbs.)]	Aluminized Low Carbon Steel

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

Car Line MUSTANG

Model Year 1987 Issued 4/86 Revised (•) 8/86

Engine Description/Carb. Engine Code	5.0L

Vehicle Emission Control

Exhaust Emission Control	Type (air injection engine modifications, other)		Vehicle and Engine Modifications, Exhaust Gas Recirculation and Air Injection
	Air Injection	Pump or Pulse	Pump
		Driven by	Belt
		Air distribution (head, manifold, etc.)	Cylinder Head and Catalyst
		Point of entry	Cylinder Head Exhaust Ports, Catalyst Mid-Bed
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Electronic
		Exhaust source	#7 Exhaust Port
		Point of exhaust injection (spacer, carburetor, manifold, other)	EGR Spacer
	Catalytic Converter	Type	TWC + COC Dual Brick In-Line
		Number of	Two + Two
		Location(s)	Underbody
		Volume [L (in³)]	.69 (42) + .69 (42)
		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)		Throttle Body Inlet Air
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Carbon Canister
		Carburetor	N/A
	Vapor storage provision		Carbon Canister
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		Yes

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Dual with Reverse "Y"
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs.)]		Two Reverse Flow
Resonator no. & type		N/A
Exhaust pipe	Branch o.d., wall thickness	63.5 x 1.75 (2.50 x .069)
	Main o.d., wall thickness	69.8 x 1.75 (2.75 x .069)
	Material & Mass [kg (weight lbs.)]	Aluminized Low Carbon Steel
Intermediate pipe	o.d. & wall thickness	63.5 x 1.75 (2.50 x .069)
	Material & Mass [kg (weight lbs.)]	Aluminized Low Carbon Steel
(•) Tail pipe	o.d. & wall thickness	57.5 x 1.39 (2.25 x .055)
	Material & Mass [kg (weight lbs.)]	Aluminized Low Carbon Steel

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) _____

Engine Description/Carb. Engine Code	2.3L

Transmissions/Transaxle

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

Manual Transmission/Transaxle

Number of forward speeds			Five
Transmission ratios	In first		3.97
	In second		2.34
	In third		1.46
	In fourth		1.00
	In fifth		0.79
	In overdrive		5th Gear
	In reverse		3.71
Synchronous meshing (specify gears)			All Forward Gears
Shift lever location			Floor
Lubricant	Capacity [L (pt.)]		2.6 (5.6)
	Type recommended		Dexron II
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

Clutch (Manual Transmission)

Make, type, engagement (describe) — (hydraulic, cable, rod)		Ford, Single Disc, Dry Plate, Cable with Self-Adjustment
Assist (yes, no/percent)		No
Type pressure plate springs		Belleville Spring
Total spring load [N (lb.)]		4000 (899)
No. of clutch driven discs		One
Clutch facing	Material	Woven Non-Asbestos, Valeo F-202 or Raymark 8060-2
	Manufacturer	Luk
	Part number	E7ZR-7550-AA
	Rivets/plate	16
	Rivet size	4.9 x 5.6 (3/16 x 7/32)
	Outside & inside dia.	215 x 147 (8.47 x 5.79)
	Total eff. area [cm^2($in.^2$)]	386.7 (60.04)
	Thickness	3.45 (0.136)
	Engagement cushion method	Segmented
Release bearing	Type & method of lubrication	Self-Centering, Angular Contact, Constant Running, Prepacked
Torsional damping	Method: springs, friction material	Multi-Stage, Springs & Friction Material

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) ____

Engine Description/Carb. Engine Code	5.0L

Transmissions/Transaxle

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

Manual Transmission/Transaxle

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

Clutch (Manual Transmission)

Make, type, engagement (describe) — (hydraulic, cable, rod)		Single Disc, Dry Plate, Cable with Self-Adjustment
Assist (yes, no/percent)		No
Type pressure plate springs		Belleville Spring
Total spring load [N (lb.)]		7400 (1664)
No. of clutch driven discs		One
Clutch facing	Material	Woven Non-Asbestos, Valeo F-204
	Manufacturer	Valeo
	Part number	E7ZR-7550-BA
	Rivets/plate	18
	Rivet size	4.1 x 5.4 (5/32 x 7/32)
	Outside & inside dia.	268 x 170 (10.55 x 6.69)
	Total eff. area [cm²(in.²)]	674 (104.5)
	Thickness	3.6 (0.14)
	Engagement cushion method	Torbend Disc
Release bearing	Type & method of lubrication	Self Centering, Angular Contact, Constant Running, Prepacked
Torsional damping	Method: springs, friction material	Single-Stage, Springs & Friction Material

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) 8/86

Engine Description/Carb. Engine Code	2.3L

Automatic Transmission/Transaxle

Trade name			Automatic Overdrive (A4LD)
Type and special features (describe)			4-Speed with Lock-Up Torque Converter w/Override Lock-Up Solenoid, Planetary Gear Set
Selector	Location		Floor
	Ltr./No. designation		P R N D D 2 1
Gear ratios	1st		2.47
	2nd		1.47
	3rd		1.00
	4th		0.75
	Reverse		2.11
Max. upshift speed - drive range [km/h (mph)]			105 (65)
Max. kickdown speed - drive range [km/h (mph)]			97 (60)
Min. overdrive speed [km/h (mph)]			46 (29)
Torque converter	Number of elements		Three
	Max. ratio at stall		2.6
	Type of cooling (air, liquid)		Liquid
	Nominal diameter		260 (10.3)
(•) Lubricant	Capacity [refill L (pt.)]		9.0 (19.0)
	Type Recommended		ESP-M2C138-CJ (Dexron II for Service)
Oil cooler (std., opt., NA, internal, external, air, liquid)			Standard, External Oil to Engine Coolant

Axle or Front Wheel Drive Unit

Type (front, rear)			Rear
Description			Semi-Floating Type with Cast Center and Overhung Pinion
Limited slip differential (type)			Friction Plate
Drive pinion offset			25.4 (1.0)
Drive pinion (type)			Hypoid
No. of differential pinions			Two
Pinion/differential adjustment (shim, other)			Shim
Pinion/differential bearing adjustment (shim, other)			Collapsible Spacer
Driving wheel bearing (type)			Straight Roller
Lubricant	Capacity [L (pt.)]		1.5 (3.25) to 1.6 (3.38)
	Type recommended		ESP-M2C154-A
	SAE viscosity number	Summer	SAE 85W90
		Winter	SAE 85W90
		Extreme cold	SAE 85W90

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

Axle ratio (or overall top gear ratio)		3.45:1	3.73:1
No. of teeth	Pinion	11	11
	Ring gear or gear	38	41
Ring gear o.d.		198.1 (7.8)	
Transaxle	Transfer gear ratio	N/A	
	Final drive ratio	N/A	

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•)

Engine Description/Carb. Engine Code	5.0L

Automatic Transmission/Transaxle

Trade name		Automatic Overdrive (AOD)	
Type and special features (describe)		4-Speed with Lock-Up Torque Converter, Planetary Gear Set	
Selector	Location	Floor	
	Ltr./No. designation	P R N(D)D 1	
Gear ratios	1st	2.40	
	2nd	1.47	
	3rd	1.00	
	4th	0.67	
	Reverse	2.00	
Max. upshift speed - drive range [km/h (mph)]		124.9 (77.6) w/2.73:1 R.A.;	140.9 (87.5) w/3.08:1 R.A.
Max. kickdown speed - drive range [km/h (mph)]		106.3 (66.0) w/2.73:1 R.A.;	119.9 (74.5) w/3.08:1 R.A.
Min. overdrive speed [km/h (mph)]		68.3 (42.4) w/2.73:1 R.A.;	77.0 (47.8) w/3.08:1 R.A.
Torque converter	Number of elements	Three	
	Max. ratio at stall	2.53	
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	305 (12)	
Lubricant	Capacity [refill L (pt.)]	11.7 (24.6)	
	Type Recommended	ESP-M2C138-CJ (Dexron II for Service)	
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard, External Oil to Engine Coolant	

Axle or Front Wheel Drive Unit

Type (front, rear)		Rear	
Description		Semi-Floating Type with Cast Center and Overhung Pinion	
Limited slip differential (type)		Friction Plate	
Drive pinion offset		38.1 (1.5)	
Drive pinion (type)		Hypoid	
No. of differential pinions		Two	
Pinion/differential adjustment (shim, other)		Shim	
Pinion/differential bearing adjustment (shim, other)		Collapsible Spacer, Shim	
Driving wheel bearing (type)		Straight Roller	
Lubricant	Capacity [L (pt.)]	1.8 (3.75)	
	Type recommended	ESP-M2C154-A	
	SAE viscosity number — Summer	SAE 85W90	
	SAE viscosity number — Winter	SAE 85W90	
	SAE viscosity number — Extreme cold	SAE 85W90	

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

Axle ratio (or overall top gear ratio)		2.73:1	3.08:1
No. of teeth	Pinion	15	13
	Ring gear or gear	31	40
Ring gear o.d.		221 (8.7)	223.5 (8.8)
Transaxle	Transfer gear ratio	N/A	
	Final drive ratio	N/A	

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) _____

Engine Description/Carb. Engine Code	2.3L	5.0L

Propeller Shaft — Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Straight Tube with Internal Tuned Damper	
Outer diam. x length* x wall thickness	Manual 3-speed trans.		N/A	
	Manual 4-speed trans.		N/A	
	(T50D) Manual 5-speed trans.		76.20 x 1155.70 x 1.65 (3.00 x 45.50 x 0.065)	76.20 x 1150.60 x 1.65 (3.00 x 45.3 x 0.065)
	Overdrive		N/A	
	(A4LD w/2.3L) Automatic transmission 4-Spd. (AOD w/5.0L)		76.20 x 1089.66 x 1.65 (3.00 x 42.90 x 0.065)	76.21 x 1160.78 x 1.65 (3.00 x 45.70 x 0.065)
Inter-mediate bearing	Type (plain, anti-friction)		N/A	
	Lubrication (fitting, prepack)		N/A	
Slip yoke	Type		Tuned Damper w/Manual Plain w/Auto	Plain w/Manual Tuned Damper w/Auto
	Number of teeth		25	28
	Spline o.d.		28.32 (1.12)	30.99 (1.22)
Universal joints	Make and mfg. no.	Front	Ford 1310	Ford 1330 w/Manual, 1310 w/Auto
		Rear	Ford 1310	Ford 1330 w/Manual, 1310 w/Auto
	Number used		Two	
	Type (ball and trunnion, cross)		Cross	
	Rear attach (u-bolt, clamp, etc.)		Circular Flange	
	Bearing	Type (plain, anti-friction)	Needle Roller	
		Lubrication (fitting, prepack)	Pre-Pack	
Drive taken through (torque tube, arms or springs)			Control Arms	
Torque taken through (torque tube, arms or springs)			Control Arms	

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

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) _____

Body Type And/Or Engine Displacement	ALL MODELS WITHOUT QUADRA SHOCK REAR SUSPENSION

Suspension — General

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

Suspension — Front

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

Suspension — Rear

Type and description			Four Bar Link with Coil Spring on Lower Arm
Travel	Full jounce		69.17 (2.72)
	Full rebound		126.67 (4.99)
Spring	Type (coil, leaf, other) & material		Coil, SAE 5160-H Steel
	Size (length x width, coil design height & i.d., bar length & dia.)		(Coil) 220.7 (8.69) x 102 (4.02), 2732 (107.6) & 13.0 (0.51)
	Spring rate [N/mm (lb./in.)]		28 (160)
	Rate at wheel [N/mm (lb./in.)]		16.8 (96)
	Insulators (type & material)		Rubber
	If leaf	No. of leaves	N/A
		Shackle (comp. or tens.)	N/A
Stabilizer	Type (link, linkless, frameless)		N/A
	Material & bar diameter		N/A
Track bar (type)			None

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) _____

Body Type And/Or Engine Displacement	(HANDLING SUSPENSION) ALL MODELS WITH QUADRA SHOCK REAR SUSPENSION (STD. W/GT)

Suspension — General

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

Suspension — Front

Type and description		Hybrid MacPherson Strut w/Springs Mounted on Lower Control Arms
Travel	Full jounce	91.00 (3.58)
	Full rebound	86.86 (3.42)
Spring	Type (coil, leaf, other) & material	Coil, SAE 5160 Steel
	Insulators (type & material)	Upper — Ring, Lower — Sleeve & Rubber
	Size (coil design height & i.d., bar length x dia.)	Variable Rate Coil: 245.2 (9.65) & 89.0 (3.50), 2987 (116.6) x 16.4 (0.646)
	Spring rate [N/mm (lb./in.)]	H.D. Handling 75.0 (425) — 92.8 (530) — Variable
	Rate at wheel [N/mm (lb./in.)]	26.5 (151)
Stabilizer	Type (link, linkless, frameless)	Link; Rubber Side Rail Insulator
	Material & bar diameter	SAE 1090 Steel & 33.0 (1.30)

Suspension — Rear

Type and description			Four Bar Link with Coil Spring on Lower Arm
Travel	Full jounce		77.52 (3.05)
	Full rebound		118.32 (4.66)
Spring	Type (coil, leaf, other) & material		Coil, SAE 5160-H Steel
	Size (length x width, coil design height & i.d., bar length & dia.)		Variable Rate Coil: 102 (8.69) x 220.7 (4.02), 2474 (97.4) & 14.2 (0.56)
	Spring rate [N/mm (lb./in.)]		35 (200) — 52.5 (300) — Variable
	Rate at wheel [N/mm (lb./in.)]		16.9 (95.4)
	Insulators (type & material)		Rubber
	If leaf	No. of leaves	N/A
		Shackle (comp. or tens.)	N/A
Stabilizer	Type (link, linkless, frameless)		Linkless (N/A Standard Duty Suspension)
	Material & bar diameter		SAE 5160 Steel for 20 (0.79) and 21 (0.83) & SAE 1090 for 17 (.67)
Track bar (type)			None

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) _____

Body Type And/Or Engine Displacement	2.3L

Brakes — Service

Description			Four Wheel Hydraulic Actuated System
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)		Disc
	Rear (disc or drum)		Drum
Self-adjusting (std., opt., n.a.)			Standard
Special valving	Type (proportion, delay, metering, other)		Pressure Differential and Proportioning
Power brake (std., opt., n.a.)			Standard
Booster type (remote, integral, vac., hyd., etc.)			200 (8.66) Single Diaphragm, Integral, Vacuum (a)
Vacuum source (inline, pump, etc.)			Inline
Vacuum reservoir (volume in.³)			N/A
Vacuum pump-type (elec, gear driven, belt driven, if other so state)			N/A
Anti-lock device type (std., opt., n.a.) (F/R)			N/A
Effective area [cm²(in.²)]* (F/R)			208 (32.2)/303 (46.9)
Gross lining area [cm²(in.²)]**(F/R)			231 (35.8)/332 (51.4)
Swept area [cm²(in.²)]***(F/R)			1140 (176.6)/638.7 (99)
Rotor	Outerworking diameter	F/R	256 (10.1)/N.A.
	Inner working diameter	F/R	158 (6.22)/N.A.
	Thickness	F/R	22.1 (0.87)/N.A.
	Material & type (vented/solid)	F/R	Cast Iron, Vented/N.A.
Drum	Diameter & width	F/R	N.A./228.6 (9.0) & 44 (1.73)
	Type and material	F/R	N.A./Composite Cast Iron
Wheel cylinder bore			60 (2.36) — Front/19.1 (.75) — Rear
Master cylinder	Bore/stroke	F/R	21 (0.83)/35.4 (1.4)
Pedal arc ratio			3.5:1
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]			10,480 (1520) Exc. Conv. (11,100 (1610) w/Convertible Only)
Lining clearance		F/R	0.13 (.005)/0.25 (.010)
Brake lining — Front wheel	Bonded or riveted (rivets/seg.)		Riveted 6/Seg.
	Rivet size		4.7 (0.18)
	Manufacturer		Thiokol, In-Board/Bendix, Out-Board
	Lining code*****		TP-1353MFDF, In-Board/7161A, Out-Board
	Material		Molded Organic, In-Board/Molded Semi-Metallic, Out Board
	**** Primary or out-board		154 x 44 x 9.18 (6.06 x 1.73 x 0.36)
	Size Secondary or in-board		120 x 43.5 x 11.08 (4.74 x 1.71 x 0.43)
	Shoe thickness (no lining)		5.1 (0.20)
Brake lining — Rear wheel	Bonded or riveted (rivets/seg.)		Bonded
	Manufacturer		Bendix FMD-Primary 3198; Secondary 3199
	Lining Code*****		BX-BY-FE-Primary; BX-PM-FE-Secondary
	Material		Molded Organic
	**** Primary or out-board		155 x 44 x 4.7 (6.1 x 1.73 x 0.185)
	Size Secondary or in-board		219 x 44 x 6.2 (8.6 x 1.73 x 0.244)
	Shoe thickness (no lining)		1.71 (.067)

*Excludes rivet holes, grooves, chamfers, etc.
**Includes rivet holes, grooves, chamfers, etc.
***Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)
****Size for drum brakes includes length x width x thickness.
*****Manufacturer I.D., catalog or formulation designation and coefficient of friction classification.
(a) 152 (6.0) Tandem Diaphragm with Convertible

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) _____

Body Type And/Or Engine Displacement	5.0L

Brakes — Service

Description				Four Wheel Hydraulic Actuated System
Manufacturer and brake type (std., opt., n.a.)		Front (disc or drum)		Disc
		Rear (disc or drum)		Drum
Self-adjusting (std., opt., n.a.)				Standard
Special valving	Type (proportion, delay, metering, other)			Pressure Differential and Proportioning
Power brake (std., opt., n.a.)				Standard
Booster type (remote, integral, vac., hyd., etc.)				152 (6.0) Tandem Diaphragm, Integral, Vacuum
Vacuum source (inline, pump, etc.)				Inline
Vacuum reservoir (volume in.³)				N/A
Vacuum pump-type (elec, gear driven, belt driven, if other so state)				N/A
Anti-lock device type (std., opt., n.a.) (F/R)				N/A
Effective area [cm²(in.²)]* (F/R)				241 (37.4)/303 (46.9)
Gross lining area [cm²(in.²)]**(F/R)				258 (39.5)/332 (51.4)
Swept area [cm²(in.²)]***(F/R)				1400 (217)/638.7 (99)
Rotor	Outerworking diameter		F/R	277 (10.9)/N.A.
	Inner working diameter		F/R	179.5 (7.0)/N.A.
	Thickness		F/R	26.2 (1.03)/N.A.
	Material & type (vented/solid)		F/R	Cast Iron Vented/N.A.
Drum	Diameter & width		F/R	N.A./228.6 (9.0) & 44 (1.73)
	Type and material		F/R	N.A./Composite Cast Iron
Wheel cylinder bore				60 (2.36) — Front/19.1 (.75) — Rear
Master cylinder	Bore/stroke		F/R	21 (0.83)/35.4 (1.4)
Pedal arc ratio				3.5:1
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]				11,100 (1610)
Lining clearance			F/R	0.13 (.005)/0.25 (.010)
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Riveted 6/Seg.
		Rivet size		4.9 (0.19)
		Manufacturer		Thiokol
		Lining code*****		TP1471-EE
		Material		Molded Semi-Metallic
		**** Primary or out-board		162 x 43.4 x 8.1 (6.38 x 1.37 x 0.30)
		Size Secondary or in-board		136.9 x 44.9 x 9.3 (5.39 x 1.77 x 0.37)
		Shoe thickness (no lining)		5.3 (0.20)
	Rear wheel	Bonded or riveted (rivets/seg.)		Bonded
		Manufacturer		Bendix FMD-Primary 3198; Secondary 3199
		Lining Code*****		BX-BY-FE-Primary; BX-PM-FE-Secondary
		Material		Molded Organic
		**** Primary or out-board		155 x 44 x 4.7 (6.1 x 1.73 x 0.185)
		Size Secondary or in-board		219 x 44 x 6.2 (8.6 x 1.73 x 0.244)
		Shoe thickness (no lining)		1.71 (.067)

*Excludes rivet holes, grooves, chamfers, etc.
**Includes rivet holes, grooves, chamfers, etc.
***Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)
****Size for drum brakes includes length x width x thickness.
*****Manufacturer I.D., catalog or formulation designation and coefficient of friction classification.

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) 10/86

Body Type And/Or Engine Displacement	2.3L

Tires And Wheels (Standard)

(See Page 13A for 5.0L Engine)

Tires	Size (load range, ply)		P195/75R14
	Type (bias, radial, etc.)		Steel-Belted Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	240 (35)
		Rear [kPa (psi)]	240 (35)
	Rev./mile — at 70 km/h (45 mph)		1295.5 (805)
Wheels	Type & material		Stamped Steel
	Rim (size & flange type)		(14 x 5) JJ
	Wheel offset		28.4 (1.12)
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	(4.25)
		Number & size	Four — 12.7 (.50) — 20 Thd
Spare	Tire and wheel (same, if other describe)		B78-14, kPa (36 psi), Steel Wheel 356 x 127 (14 x 5.0), Economy Spare
	Storage position & location (describe)		Flat Position, Deep Well in Trunk

Tires And Wheels (Optional)

Size (load range, ply)	
Type (bias, radial, etc.)	
(●) Wheel (type & material)	Polycast/Steel
(●) Rim (size, flange type and offset)	(14 x 5.5) JJ, Offset 28.4 (1.12)
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position	

Brakes — Parking

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

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG

Model Year 1987 Issued 4/86 Revised (•) _____

Body Type And/Or Engine Displacement	5.0L

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P225/60VR15 BSW
	Type (bias, radial, etc.)		Steel-Belted Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	207 (30)
		Rear [kPa (psi)]	207 (30)
	Rev./mile — at 70 km/h (45 mph)		
Wheels	Type & material		Aluminum (16-Spoke Style — GT Only; 10-Hole Style — All Exc. GT)
	Rim (size & flange type)		15 x 7
	Wheel offset		22.4 (0.88)
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	4.25
		Number & size	Four — 12.7 (.50) — 20 Thd
Spare	Tire and wheel (same, if other describe)		Mini Spare — T125/70D16, 415 kPa (60 psi) with 16 x 4 Steel Wheel, Temporal Spare
	Storage position & location (describe)		Flat Position, Deep Well in Trunk

Tires And Wheels (Optional)

Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position	Mini Spare T125/70D15, 415 kPa (60 psi) w/15 x 4 Steel Wheel, Temporal Spare Mini Spare w/15 x 4 Aluminum Wheel on Select Models

Brakes — Parking

See Page 13

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

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) 6/86

Body Type And/Or Engine Displacement	ALL MODELS

(•) Steering

Manual (std., opt., n.a.)				N/A
Power (std., opt., n.a.)				Standard
Adjustable steering wheel/column (tilt, telescope, other)		Type		Tilt — 5 Position
		Manufacturer		Adj. Steering Wheel — Various; Column — Ford
		(Std., opt., n.a.)		Optional
Wheel diameter** (W9) SAE J1100		Manual		N/A
		Power		Std. 368 (14.5)
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		11.39 (37.36); Exc. 12.6 (41.2) w/GT Model
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		
Scrub Radius*				
Manual	Gear	Type		N/A
		Manufacturer		—
		Ratios	Gear	—
			Overall	—
	No. wheel turns (stop to stop)			—
Power	Type (coaxial, linkage, etc.)			Integral Rack and Pinion
	Manufacturer			Gear (Ford), Pump (Ford); Fluid ESP-M2C138CJ
	Gear	Type		Rack and Pinion (Variable Ratio) (a)
		Ratios	(***)	8.58°/mm on Center; 7.91°/mm at Stops (a)
			Overall	20.00:1 on Center; 15.97:1 at Stops (a)
	Pump (drive)			Belt Off Crankshaft Pulley
	No. wheel turns (stop to stop)			3.05 (a)
Linkage	Type			Rack and Pinion (Rod & Ball Joint Direct Attach. to Gear)
	Location (front or rear of wheels, other)			Front of Wheels
	Tie rods (one or two)			Two (Integral with Gear)
Steering axis	Inclination at camber (deg.)			15.7
	Bearings (type)	Upper		Strut Mount
		Lower		Ball Joint
		Thrust		
Steering spindle & joint type				Forged Spindle, with Ball Joint
Wheel spindle/hub	Diameter	Inner bearing		34.8 (1.37)
		Outer bearing		21.8 (0.86)
	Thread (size)			13/16-20 UNEF 2A R.H. Thread
	Bearing (type)			Tapered Roller

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

**See page 21.

(a) Handling Suspension: Std. w/GT Model
Gear Type — Constant Ratio
Rack Speed — 6.44°/mm
Overall Ratio — 15.01:1 on Center, 13.00:1 at Stops
No. Wheel Turns — 2.22 (Stop to Stop)

(***) Rack Speed

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) _____

Body Type And/Or Engine Displacement	ALL MODELS

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	+1.14, Min. +0.29°/Max. +1.89° (a)
		Camber (deg.)	0.0°, Min. −0.75°/Max. +0.75° (a)
		Toe-in [outside track-mm (in.)]	+4.76, Min. +1.58/Max. +7.94 (+0.19, Min. +0.06/Max. +0.31)
	Service reset*	Caster	Factory Set and Cannot be Adjusted
		Camber	0.0°, Min. −0.75°/Max. +0.75° (a)
		Toe-in	+4.76, Min. +1.58/Max. +7.94 (+0.19, Min. +0.06/Max. +0.31)
	Periodic M.V. inspection	Caster	+1.14°, Min. +0.39°/Max. +1.89° (a)
		Camber	0.0°, Min. −0.75°/Max. +0.75° (a)
		Toe-in	+4.76, Min. +1.58/Max. +7.94 (+0.19, Min. +0.06/Max. +0.31)
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	N/A
		Toe-in [outside track-mm (in.)]	N/A
	Service reset*	Camber	N/A
		Toe-in	N/A
	Periodic M.V. inspection	Camber	N/A
		Toe-in	N/A

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

Electrical — Instruments and Equipment

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

(a) Max. Side-to-Side Difference not to Exceed ±0.75°
(b) Electronic Graphic Display Indicator System in Console. Also Includes Lamp-Out Indicator for Headlamps, Tail Lamps or Brake Lights, and Low Fuel Warning Light (Opt. w/2-Dr. Sedan)

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

SUPPLEMENTAL PAGE

Car Line MUSTANG

Model Year 1987 Issued 4/86 Revised (●) _____

Electrical — Instruments and Equipment: (Cont'd)

- Brake System Warning Light
- Emergency Flashers
- Directional Turn Signal Lights
- Hi-Beam Indicator Light
- Fasten Seat Belts Warning Light
- Headlamps "ON" Warning Buzzer
- Up-Shift Indicator Light (Manual 5-Speed Only)

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●)

Engine Description/Carb. Engine Code	2.3L (MANUAL TRANS.)	AUTOMATIC TRANS.

Electrical — Supply System

Battery	Manufacturer	Johnson Controls Inc. or G&B	
	Model, std., (opt.)	Standard	
	Voltage	12	
	Amps at 0°F cold crank	460	540
	Minutes-reserve capacity	82	100
	Amp/hrs. - 20 hr. rate	48	58
	Location	Left-Hand Front of Engine Compartment	
Alternator	Manufacturer	Ford (EED Rawsonville)	
	Rating	E7SF-AA (65 Amp)	
	Ratio (alt. crank/rev.)	2.68:1	
	Optional (type & rating)	N/A	
Regulator	Type	Electronic — Integral with Alternator	

Electrical — Starting System

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

Electrical — Ignition System

Type	Electronic (std., opt., n.a.)		Standard
	Other (specify)		N/A
Coil	Make		Motorcraft
	Model		E3EF-AA
	Current	Engine stopped — A	6.5
		Engine idling — A	Motorcraft
Spark plug	Make		AWSF-44C
	Model		14
	Thread (mm)		7.0-14.0 (5-10)
	Tightening torque [N-m (lb. ft)]		1.12 (0.044)
	Gap		One
	Number per cylinder		Motorcraft
Distributor	Make		Universal
	Model		

Electrical — Suppression

Locations & type	Capacitor in Alternator, Resistor Spark Plugs and Resistance Core Ignition Wire. Ground Cable — Engine to Dash Ground Cable, Hood Bond, RF Shielding Material. Choke Filter — w/Graphic Equalizer Only

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) _____

Engine Description/Carb. Engine Code	5.0L (MANUAL TRANS.)	(AUTO. TRANS.)

Electrical — Supply System

Battery	Manufacturer	Johnson Controls Inc. or G&B
	Model, std., (opt.)	Standard
	Voltage	12
	Amps at 0°F cold crank	540
	Minutes-reserve capacity	100
	Amp/hrs. - 20 hr. rate	58
	Location	Left-Hand Front of Engine Compartment
Alternator	Manufacturer	Ford (EED Rawsonville)
	Rating	E7SF-CA (65 Amp) E7ZF-AA (75 Amp)
	Ratio (alt. crank/rev.)	3.00:1
	Optional (type & rating)	N/A
Regulator	Type	Electronic w/Integral Regulator

Electrical — Starting System

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

Electrical — Ignition System

Type	Electronic (std., opt., n.a.)		Standard
	Other (specify)		N/A
Coil	Make		Motorcraft
	Model		(E) — Core
	Current	Engine stopped — A	6.5
		Engine idling — A	2.5
Spark plug	Make		Motorcraft
	Model		AWSF-42C
	Thread (mm)		14
	Tightening torque [N·m (lb, ft)]		14-20.3 (10-15)
	Gap		1.37 (0.054)
	Number per cylinder		One
Distributor	Make		Motorcraft
	Model		Universal-Hall Effect

Electrical — Suppression

Locations & type	Capacitor in Alternator, Resistor Spark Plugs, Resistance Ignition Wire, Ground Cable — Engine to Dash, Hood Bond. Choke Filter w/Graphic Equalizer Only

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•)

Body Type	ALL MODELS

Body

Structure	Unitized All-Steel Welded Body, with One-Piece Side Stampings and Energy-Absorbing Front and Rear Structures
Bumper system front-rear	Impact-Resistant Polyurethane Fascias with HSLASO Steel Understructure at Rear and Reinforced Polyproylene Understructure at the Front Front/Rear — 5 MPH — Ford Requirements
Anti-corrosion treatment	• Major Exterior & Underbody Sheet Metal Components and Panels Pre-Coated (Galvanized) Steel • Body Cathodically Electrocoat Primed • Urethane Chip-Resistant Primer or Plastic Cladding on Lower Body Sides • Grille: Integral with Polyurethane Fascia

Body — Miscellaneous Information

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

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) _____

Body Type	ALL MODELS

Restraint System

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

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized Construction

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

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) _____

Body Type	ALL MODELS

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

Air conditioning (manual, auto. temp control)		Optional, Manual Temperature Control
Clock (digital, analog)		Standard, Digital (Base)
Compass/thermometer		N/A
Console (floor, overhead)		Optional on 2-Dr. Sedan, Standard with All Other Models
Defroster, elec. backlight		Optional (Mandatory New York State)
Electronic	Diagnostic monitor (integrated, individual)	Graphic Warning Display (Part of Console)
	Instrument cluster (list instruments)	N/A
	Keyless entry	N/A
	Tripminder (avg. spd., fuel)	N/A
	Voice alert (list items)	N/A
	Other	
Fuel door lock (remote, key, electric)		Standard, Electric, Remote Control
Lamps	Auto head on/off delay, dimming	N/A
	Cornering	N/A
	Courtesy (map, reading)	Optional Dome/Map Light (Part of Light/Convenience Group)
	Door lock, ignition	N/A
	Engine compartment	Optional (Part of Light/Convenience Group)
	Fog	Standard on GT Model Only; Not Available on Other Models
	Glove compartment	Optional (Part of Light/Convenience Group)
	Trunk	Optional (Part of Light/Convenience Group)
	Other	
Mirrors	Day/night (auto. man.)	Standard, Manual
	L.H. (remote, power, heated)	Standard, Manual Remote; Optional, Electric Remote
	R.H. (convex, remote, power, heated)	Standard, Convex, Manual Remote; Opt., Convex Elec. Remote
	Visor vanity (RH/LH, illuminated)	N/A
Parking brake-auto release (warning light)		Standard, Pull Lever — Push Button Release
Power equipment	Door locks/deck lid - specify	Optional, Power Door Locks/Decklid/Liftgate
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	Sport Performance Bucket Seats, Multi-Adjustable, Articulated (Standard GT Only; Power Lumbar Driver and Passenger, Other Adjustments Manual)
	Side windows	Optional
	Vent windows	N/A
	Rear window	N/A
	Convertible Top	Optional Retractable Power Top on Convertible
Radio systems	Antenna (location, whip, w/shield, power)	R.H. Front Fender Mounted, Whip
	AM, FM, stero, tape, CB	(a)
	Speaker (number, location) Premium sound	Dual Front and Rear
Roof open air/fixed (flip-up, sliding, "T")		Optional on 2-Dr. Hatchback Only, Flip-Up/Open Air
Speed control device		Optional Base
Speed warning device (light, buzzer, etc.)		N/A
Tachometer (rpm)		6000 (Std. w/4 or 8 Cyl.); 7000 (Opt. w/5.0L HO EFI)
Telephone system - mobile		N/A
Theft protection-type		N/A

(a) Standard: AM/FM Stereo w/Cassette, Electronic AM/FM Stereo w/Cassette; Optional: Graphic Equalizer (Requires Electronic Radio and includes Premium Sound)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) 6/86

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

Body Type	SAE Ref. No.	2-DOOR SEDAN	CONVERTIBLE	2-DR. HATCHBACK (EXCEPT GT)	GT ONLY 2-DR. HATCHBACK
Width					
Tread (front)	W101	1438 (56.6)			
Tread (rear)	W102	1448 (57.0)			
Vehicle width	W103	1455 (69.1)			
Body width at Sg RP (front)	W117	1735 (68.3)			
Vehicle width (front doors open)	W120	3899 (153.5)			
Vehicle width (rear doors open)	W121	N/A			
Front fender overall width	W108	1717 (67.6)			
Rear fender overall width	W107	1755 (69.1)			
Tumble-home (deg.)	W122	25.2°	25.4°	25.2°	
(•) **Length**					
Wheelbase	L101	2553 (100.5)			
Vehicle length	L103	4562 (179.6)			
Overhang (front)	L104	1016 (40.0)			
Overhang (rear)	L105	993 (39.1)			
Upper structure length	L123	2352 (92.6)		2433 (95.8)	
Rear wheel C/L "X" coordinate	L127	2195 (86.4)			
Cowl point "X" coordinate	L125	208 (8.2)			
Front end length at centerline	L126	1405 (55.3)			
Rear end length at centerline	L129	528 (20.8)		384 (15.1)	
Height*					
Passenger distribution (front/rear)	PD1,2,3	2/1			
Trunk/cargo load		0			
Vehicle height	H101	1323 (52.1)	1317 (51.9)	1323 (52.1)	
Cowl point to ground	H114	959 (37.7)			
Deck point to ground	H138	892 (35.1)		907 (35.7)	
Rocker panel-front to ground	H112	193 (7.6)			
Bottom of door closed-front to grd.	H133	257 (10.1)			
Rocker panel-rear to ground	H111	170 (6.7)			
Bottom of door closed-rear to grd.	H135	N/A			
Windshield slope angle	H122	58°			
Backlight slope angle	H121	57.4°		62.0°	
Ground Clearance*					
Front bumper to ground	H102	387 (15.2) (a)			
Rear bumper to ground	H104	336 (13.2) (a)			
Bumper to ground [front at curb mass (wt.)]	H103	392 (15.4) (a)			
Bumper to ground [rear at curb mass (wt.)]	H105	396 (15.6) (a)			
Angle of approach (degrees)	H106	16.8°			15.0°
Angle of departure (degrees)	H107	18.6°			13.5°
Ramp breakover angle (degrees)	H147	12.7°			
Axle differential to grd. (front/rear)	H153	155 (6.1)			
Min. running ground clearance	H156	115 (4.5)			
Location of min. run. grd. clearance		Converter Grass Shield			

*All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified.
Manufacturer's Design Load Weight is defined with indicated passenger distribution and truck/cargo load.
All linear dimensions are in millimeters (inches) unless otherwise noted.
(a) Bottom of the bumper through 1/4" Pilot Hole.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●)

Body Type	SAE Ref. No.	2-DOOR SEDAN	CONVERTIBLE	2-DOOR HATCHBACK
Front Compartment				
SgRP front, "X" coordinate	L31	3034 (40.7)		
Effective head room	H61	940 (37.0)	955 (37.6)	940 (37.0)
Max. eff. leg room (accelerator)	L34	1059 (41.7)		
SgRP to heel point	H30	223 (8.8)		
SgRP to heel point	L53	859 (33.8)		
Back angle	L40	25°		
Hip angle	L42	93.9°		
Knee angle	L44	123.3°		
Foot angle	L46	87°		
Design H-point front travel	L17	178 (7.0)		
Normal driving & riding seat track trvl.	L23	155 (6.1)		
Shoulder room	W3	1407 (55.4)		
Hip room	W5	1425 (56.1)		
Upper body opening to ground	H50	1204 (47.4)		
Steering wheel maximum diameter*	W9	368 (14.5)		
Steering wheel angle	H18	23.5°		
Accel. heel pt. to steer. whl. center	L11	513 (20.2)		
Accel. heel pt. to steer. whl. center	H17	599 (23.6)		
Steering wheel to C/L of thigh	H13	86 (3.4)		
Steering wheel torso clearance	L7	343 (13.5)		
Headlining to roof panel (front)	H37	23 (0.9)		
Undepressed floor covering thickness	H67	20 (0.8)		
Rear Compartment				
SgRP point couple distance	L50	701 (27.6)		
Effective head room	H63	912 (35.9)	940 (37.0)	904 (35.6)
Min. effective leg room	L51	780 (30.7)		
SgRP (second to heel)	H31	257 (10.1)		
Knee clearance	L48	−46 (−1.8)		
Compartment room	L3	584 (23.0)	561 (22.1)	607 (23.9)
Shoulder room	W4	1379 (54.3)	1242 (48.9)	1379 (54.3)
Hip room	W6	1196 (47.1)	978 (38.5)	1196 (47.1)
Upper body opening to ground	H51	N/A		
Back angle	L41	21°	19°	24°
Hip angle	L43	71°	70°	74°
Knee angle	L45	66.3°		
Foot angle	L47	111.8°		
Headlining to roof panel (second)	L38	23 (0.9)	N/A	
Depressed floor covering thickness	H73	20 (0.8)		
Luggage Compartment				
Usable luggage capacity [L (cu.ft.)]	V1	283 (10.0)	181 (6.4)	N/A
Liftover height	H195	759 (29.9)		
Interior Volumes (EPA Classification)				
Veh. class (subcompact, compact, etc.)		Subcompact		
Interior volume index (cu.ft.)		93.4	87.1	95.5
Trunk/cargo index (cu.ft.)		9.9	6.4	12.3

*See page 14.

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

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) 10/86

Body Type	SAE Ref. No.	

Station Wagon—Third Seat (NOT APPLICABLE)

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

Station Wagon—Cargo Space (NOT APPLICABLE)

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

Hatchback—Cargo Space 2-DOOR HATCHBACK

Cargo length at front seatback height	L208	973 (38.3)
Cargo length at floor (front)	L209	1687 (66.4)
Cargo length at second seatback height	L210	457 (18.0)
Cargo length at floor (second)	L211	838 (33.0)
Front seatback to load floor height	H197	459 (18.1)
Second seatback to load floor height	H198	389 (15.3)
Cargo volume index [$m^3(ft.^3)$]	V3	.84 (29.7)
Hidden cargo volume [$m^3(ft.^3)$]	V4	N/A
Cargo volume index-rear of 2-seat	V11	.35 (12.3)

Aerodynamics*

		2-DOOR SEDAN	CONVERTIBLE	2-DOOR HATCHBACK EXC. GT	GT ONLY
Wheel lip to ground, front		665.2 (26.2)			
Wheel lip to ground, rear		657.9 (25.9)			
Frontal area [$m^2(ft.^2)$]		191 (20.6) (a)			
(●) Drag coefficient (Cd)		.40	.42	.36	.39

*EPA Loaded Vehicle Weight, Loading Conditions

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

(a) Includes Two Outside Mirrors

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•)

Body Type

ALL MODELS

Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location
1 & 2 Front	The rear vertical edge of the master control notch on the underside of the front door rocker panels locates the "X" coordinate relative to body grid and is located at the 444 (17.5) line. (Front Location) X = 444 (17.5) Y = 737 (29) Z = −27.9 (−1.1) (Rear Location) X = 1295 (51) Y = 737 (29) Z = −35.6 (−1.4)
3 & 4 Rear	The intersection of the horizontal-vertical surfaces on the rocker panel door rabbet locates the "Y" and "Z" coordinates relative to body grid at particular fore-aft inch lines. The fore-aft location can be determined by the reference dimension from Fiducial Mark 1 and 2.

Fiducial Mark Number			
Front	W21*	737	(29)
	L54*	444	(17.5)
	H81*	−27.9	(−1.1)
	H161*	—	—
	H163*	—	—
Rear	W22*	737	(29)
	L55*	1295	(51)
	H82*	−35.6	(−1.4)
	H162*	—	—
	H164*	—	—

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

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) _____

Body Type	ALL MODELS

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	652.3 (25.68)
		Lowest	—
	Taillamp (SAE - H128)	Highest**	721.9 (28.42) to Centroid
		Lowest	N/A
	Sidemarker	Front	652.3 (25.68)
		Rear	672.8 (26.49)
Distance from C/L of car to center of bulb	Headlamp	Inside	N/A
		Outside**	541.5 (21.32)
	Taillamp	Inside	N/A
		Outside**	672.8 (26.49) to Centroid
	Directional	Front	355.6 (14.0)
		Rear	462.8 (18.22)
Halogen headlamp (std., opt., n.a.)	Lo beam		Standard
	Hi beam		Standard
	Replaceable bulb		Yes
	Shape		Rectangular, Aerodynamic (Flush Mounted), Standard
Headlamp other than above	Lo beam		N/A
	Hi beam		N/A
	Replaceable		N/A
	Shape		N/A
	Type		N/A

*Measured at curb mass (weight).
**If single lamps are used enter here.
All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line MUSTANG
Model Year 1987 Issued 4/86 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 EFI Engine								
w/5-Speed Manual								
Mustang LX								
2-Door Sedan	727	509	1236	45	55	19	81	1212
	(1602)	(1122)	(2724)					(2673)
2-Door Hatchback	727	535	1262	45	55	19	81	1239
	(1602)	(1180)	(2782)					(2731)
2-Door Convertible	758	567	1325	45	55	19	81	1302
	(1670)	(1251)	(2921)					(2870)
5.0L EFI Engine								
w/5-Speed Manual								
Mustang GT								
2-Door Hatchback	828	569	1397	45	55	19	81	1339
	(1825)	(1255)	(3080)					(2952)
2-Door Convertible	856	602	1458	45	55	19	81	1400
	(1887)	(1327)	(3214)					(3086)

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

**Shipping mass (weight) definition — Less Fuel and Engine Coolant

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (•) 10/86

Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg. (weight, lb.)			Remarks
	Front	Rear	Total	
Powertrains:				
2.3L EFI Engine				
w/4-Spd. Automatic (A4LD)	18.6	2.3	20.9	
	(41)	(5)	(46)	
5.0L EFI Engine				
w/5-Spd. Manual	96.2	29.1	125.3	Includes Handling Suspension
(Mustang LX Only)	(212)	(64)	(276)	
5.0L EFI Engine				
w/4-Spd. Automatic (AOD)	116.1	39.5	155.6	Includes Handling Suspension
(Mustang LX Only)	(256)	(87)	(343)	
5.0L EFI Engine				
w/4-Spd. Automatic (AOD)	20.0	10.4	30.4	
(Mustang GT Only)	(44)	(23)	(67)	
Axles:				
Axle, Traction-Lok	0	10.0	10.0	Available w/5.0L Engine Only
w/2.73:1 Ratio	(0)	(22)	(22)	
Axle, Traction-Lok	0	10.4	10.4	Available w/5.0L Engine Only
w/3.08:1 Ratio	(0)	(23)	(23)	
Tires:				
P225/60VR15	5.9	6.3	12.2	w/5.0L Engine Only; Std. on GT
	(13)	(14)	(27)	Includes Handling Suspension
(•) Wheels:				
Steel/Polycast	3.2	3.2	6.4	
	(7)	(7)	(14)	
Wheel Covers:				
Wire Type	0.5	0.4	0.9	
	(1)	(1)	(2)	

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

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

Car Line MUSTANG
Model Year 1987 Issued 4/86 Revised (●) _____

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Miscellaneous Options:				
Air Conditioning				
w/Manual Temp. Control	18.1	−1.8	16.3	
& 2.3L Engine	(40)	(−4)	(36)	
w/Manual Temp. Control	19.9	−1.8	18.1	
& 5.0L Engine	(44)	(−4)	(40)	
Defroster, Rear Window	0	0.5	0.5	N/A on Convertible
	(0)	(1)	(1)	
Light Group	−0.5	1.4	0.9	Standard on Convertible
	(−1)	(3)	(2)	
Radio Systems:				
Radio, Electronic	0.9	0	0.9	
AM/FM Stereo w/Cassette	(2)	(0)	(2)	
Sound System, Premium	1.4	3.6	5.0	
	(3)	(8)	(11)	
Delete — Std. Radio	−2.7	−1.4	−4.1	
	(−6)	(−3)	(−9)	
Power Lock Group	1.8	2.3	4.1	
	(4)	(5)	(9)	
Power, Door Side Windows	1.8	0.9	2.7	
	(4)	(2)	(6)	
Protection, Road Abrasion	0.5	0	0.5	Available Canada Only
	(1)	(0)	(1)	
Roof, Flip-Up Open Air	5.0	6.3	11.3	N/A on Convertible
	(11)	(14)	(25)	
Seats: Front Individual	3.6	5.0	8.6	
Articulated Sport Seats	(8)	(11)	(19)	
Steering Wheel, Tilt	0.9	0	0.9	
	(2)	(0)	(2)	
Speed Control	2.7	1.8	4.5	
	(6)	(4)	(10)	

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