MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1989

Manufacturer	Vehicle Line	
FORD MOTOR COMPANY	ESCORT	
Mailing Address		
P.O. BOX 2053 DEARBORN, MICHIGAN 48121	Issued FEBRUARY, 1988	Revised NOV. 18, 1988

Direct questions concerning these specifications to the manufacturer listed above.

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Motor Vehicle Manufacturers Association
of the United States, Inc.

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MVMA-C-89

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) 8/31/88

ⓘ Vehicle Origin

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

(•)ⓘ Vehicle Models

Model Description & Drive (FWD/RWD/AWD/4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load—Kilograms (Pounds)
ESCORT PONY (FWD)	10/6/88			
2-Door Hatchback		61D/HVE	2/2	22.68 (50)
ESCORT LX (FWD)	10/6/88			
2-Door Hatchback		61D/HVS	2/2	22.68 (50)
4-Door Hatchback		58D/HVS	2/2	22.68 (50)
4-Door Wagon		74D/HVS	2/2	68.04 (150)
ESCORT GT (FWD)	10/6/88			
2-Door Hatchback		61D/HVC	2/2	22.68 (50)

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

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Model Year 1989 Issued 2/88 Revised (•) 10/14/88

METRIC (U.S. Customary)

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)
		Code	Displ. Liters (in³)	Induction (FI, CARB/ BBL, etc.)	Compr. Ratio	SAE Net at RPM Power kW (bhp)	SAE Net at RPM Torque N-m (lb. ft.)			
	49 STATES ONLY (a)									
	Pony Series and LX 2-Dr. Hatchback Model Only	999	1.9 FS (113.5)	CFI	9.0	67 (90) 4600	144 (106) 3400	S	MTX II	2.85 @
	50 STATES ONLY (b)									
(•)	Pony & LX Series Models Except Wagon (d)	999	1.9 (113.5)	CFI	9.0	67 (90) 4600	144 (106) 3400	S	MTX II	3.52 @
	50 STATES/ALTITUDE									
(•)	LX Series Models Only (c)	999	1.9 (113.5)	CFI	9.0	67 (90) 4600	144 (106) 3400	S	MTX III ATX	3.52/2.61 % 3.26 @
	GT 2-Door Hatchback Only	99J	1.9 (113.5)	EFI	9.0	82 (110) 5400	156 (115) 4200	S	MTX III	3.73/2.73 %

ATX — 3-Speed Automatic
MTX II — 4-Speed Manual
MTX III — 5-Speed Manual
FS — Fuel Saver
@ — Transfer Ratio
% — The 5-speed is a unique arrangement utilizing dual transfer ratios, a higher numerical ratio for 1st through 4th and Reverse and a lower numerical ratio for 5th.
(a) — Not Available California or Altitude
(b) — Not Available Altitude
(c) — Available All Models (except GT) in High Altitude Area
(•) (d) — Available with wagon when ordered for export
* — For Final Drive Ratios — See Page 8

*Single/Dual

MVMA Specifications Form

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) 5/2/88

METRIC (U.S. Customary)

(•) Engine Description/Carb. Engine Code	1.9L CENTRAL FUEL INJ., CODE 999	1.9L ELECTRONIC (PORT) FUEL INJ., CODE 99J

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		Inline, Front Transverse, (SIHC) Single Inhead Camshaft, Compound Valve Combustion Chambers (Hemi with 1.9L/EFI)	
Manufacturer		Ford Motor Company	
No. of cylinders		Four	
Bore		82 (3.23)	
Stroke		88 (3.46)	
Bore spacing (C/L to C/L)		91.8	
Cylinder block material & mass kg (lbs.) (machined)		Cast Iron & 39.5 (87)	
Cylinder block deck height		212.8 (8.38)	
Cylinder block length		395 (15.55)	
Deck clearance (minimum) (above or below block)		.24 (.0095) Above	.06 (.002) Below
Cylinder head material & mass kg (lbs.)		Aluminum & 11.3 (25)	
Cylinder head volume (cm^3)		39.6 Nominal	55.0
Cylinder liner material		N/A	
Head gasket thickness (compressed)		1.6 (.063)	
Minimum combustion chamber total volume (cm^3)		46.0	53.4
Cyl. no. system (front to rear)*	L. Bank	1, 2, 3, 4	
	R. Bank	N/A	
Firing order		1, 3, 4, 2	
Intake manifold material & mass [kg (lbs.)]**		Aluminum & 3.4 (7.5)	Aluminum & 5.44 (12.0)
Exhaust manifold material & mass [kg (lbs.)]**		Cast Iron & 4.99 (11.0)	Steel Tubes & 9.07 (20)
Fuel required unleaded, diesel, etc.		Unleaded	
Fuel antiknock index (R + M) ÷ 2		87 Minimum	
ⓘ Engine mounts	Number	Three	
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.	Elastomeric	
	Added isolation (sub-frame, crossmember, etc.)	None	
Total dressed engine mass (wt) dry***		137 (301.9)	

Engine — Pistons

Material & mass, g (weight, oz.)-piston only	Cast Aluminum Alloy & 298 (10.5)	Cast Aluminum Alloy & 335 (11.8)

Engine — Camshaft

Location		In Cylinder Head
Material & mass kg (weight, lbs.)		Powered Metal & 2.51 (5.53)
Drive type	Chain/belt	Belt
	Width/pitch	25.4 (1.0)/9.5 (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

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb. Engine Code	1.9L CFI	1.9L EFI

Engine — Valve System

Hydraulic lifters (std., opt., NA)		Standard (Roller Tappets w/Auto. Trans.; Flat or Roller Tappets w/Man. Trans.)	
Valves	Number intake/exhaust	4/4	
	Head O.D. intake/exhaust	39 (1.54)/34 (1.34)	42 (1.65)/37 (1.46)

Engine — Connecting Rods

Material & mass [kg., (weight, lbs.)]*		Forged Powdered Metal & 0.50 (1.10)
Ⓘ Length (axes ℄ to ℄) mm		131.9 (5.19)

Engine — Crankshaft

Material & mass [kg., (weight, lbs.)]*		Nodular Cast Iron, 6.08 (13.4)
End thrust taken by bearing (no.)		#3
Length & number of main bearings		5
Seal (material, one, two piece design, etc.)	Front	Rubber, One Piece (Viton)
	Rear	Rubber, One Piece (Viton)

Engine — Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	240-450 (35-65) @ 2000 (warm oil)
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	3.3 (3.5), Plus 0.47 (0.5) for Filter

Engine — Diesel Information (NOT APPLICABLE)

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

Engine — Intake System (NOT APPLICABLE)

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

*Finished State

MVMA Specifications Form

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb. Engine Code	1.9L

Engine — Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Rad. w/Added 2L in Bottle
Radiator cap relief valve pressure [kPa (psi)]		110.3 (16.0)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C(°F)	88.96 (192.0)
Water Pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	19L (5 GPM)
	Number of pumps	One
	Drive (V-belt, other)	Timing Belt
	Bearing type	Ball-Roller
	Impeller material	Steel
	Housing material	Cast Iron
By-pass recirculation [type (inter., ext.)]		External
Cooling system capacity	With heater-L(qt.)	7.5 (7.9)
	With air cond.-L(qt.)	6.4 (6.8) w/Man. Trans.
	Opt. equipment [specify-L(qt.)]	6.9 (7.3) w/Opt. Auto. Trans. and/or AC
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		Yes
Radiator core	Std., A/C, HD	Standard
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	Vacuum Braze
	Material, mass [kg (wgt. lbs.)]	Aluminum 3.63 (8.0)
	Width	589 (23.2)
	Height	333 (13.1)
	Thickness	26 (1.02)
	Fins per inch	14.0
Radiator end tank material		Glass Filled Nylon
Fan	Std., elec., opt.	Electric
	Number of blades & type (flex, solid, material)	4 & Solid, Metal (5 & Solid, Plastic w/AC)
	Diameter & projected width	300 (11.8) & 34.3 (1.3); 330 (13) x 47 (1.8) w/AC
	Ratio (fan to crankshaft rev.)	N/A
	Fan cutout type	Coolant Sensor & Electric Switch
	Drive type (direct, remote)	Direct
	RPM at idle (elec.)	1800 (2100 w/AC)
	Motor rating (wattage) (elec.)	80 w/Heater; 180 w/AC
	Motor switch (type & location) (elec.)	Thermostatic-Water Outlet Connection
	Switch point (temp., pressure) (elec.)	Temp. 105° (221°)
	Fan shroud (material)	Metal

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Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) 8/31/88

METRIC (U.S. Customary)

Engine Description/Carb. Engine Code	1.9L CFI	1.9L EFI

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

Induction type: carburetor, fuel injection system, etc.		Central Fuel Injection	Electronic Fuel Injection
Manufacturer		Ford (EED — Rawsonville)	Bosch (Injector)
Ⓘ Carburetor no. of barrels		N/A	
Idle A/F mix.		14.64:1	
Fuel injection	Point of injection (no.)	Throttle Body (1)	Intake Port (4)
	Constant, pulse, flow	Pulse	
	Control (electronic, mech.)	Electronic	
	System pressure [kPa (psi)]	99.98 (14.5)	269 (39)
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	800	1000
	Automatic	800 (Neutral)	N/A
Intake manifold heat control (exhaust or water thermostatic or fixed)		N/A	
Air cleaner type		Pleated Paper, Replaceable Element	
Fuel filter (type/location)		Canister, Paper, Media/R.H. Dash Panel	
Ⓘ Fuel pump	Type (elec. or mech.)	Electric	
	Location (eng., tank)	In-Tank	
	Pressure range [kPa (psi)]	99.98 (14.5) Nominal	269 (39) Nominal
Ⓘ	Flow rate at regulated pressure (L (gal)/hr @ kPa (psi))		

Fuel Tank

(•) Capacity [refill L (gallons)]		43.5 (11.5) Std. w/Pony and 2-DR. LX Models; 49.2 (13.0) Std. w/Other Models (a)
Location (describe)		In Front of Rear Suspension
Attachment		Two Straps with Pin & Loop at Rear, Bolt at Front
Material & Mass [kg (weight lbs.)]		Steel (NI/Terne Plate) & 6.6 (14.5)
Filler pipe	Location & material	Right Rear Quarter Panel; Steel
	Connection to tank	Rubber Hoses & Clamps
Fuel line (material)		Steel
Fuel hose (material)		Rubber Covered Nylon
Return line (material)		Steel
Vapor line (material)		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	

(a) Pony and 2-Dr. LX Models Are Equipped with a 43.5L (11.5 Gal.) Fuel Tank When Ordered with a 4-Speed Transmission and 2.85:1 Axle Ratio. Also this Fuel Tank is included when ordering an LX 4-Door Model with Automatic Transmission without Air Conditioning or an LX Wagon with Air Conditioning and Manual Transmission only.

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METRIC (U.S. Customary)

Engine Description/Carb. Engine Code	1.9L CFI	1.9L EFI

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		N/A	Pulse Air
	Air Injection	Pump or pulse	N/A	Dual Pulse
		Driven by	N/A	Exhaust Flow
		Air distribution (head, manifold, etc.)	N/A	Underbody Catalyst
		Point of entry	N/A	Underbody Catalyst
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Electronic Controlled Flow	
		Exhaust source	Exhaust Manifold Collector	Exhaust Header Sec. Junct.
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold Plenum	
	Catalytic Converter	Type	TWC Converter	TWC/COC Conv. Pulse Air
		Number of	One	
		Location(s)	Close Coupled @ Exh. Manifold	Underbody
		Volume [L (in³)]	1.51 (92.1)	1.53 (93.0)
		Substrate type	Monolithic Ceramic	
(•)∅		Noble metal type	TWC — Platinum/Rhodium	TWC — Platinum/Rhodium (a)
(•)		Noble metal Concentration (g/cm₃)	TWC — 11.77/2.35 ÷ 10,000	TWC — 13.03/1.09; COC — .21/2.82 ÷ 10,000
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System	
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum (Closed to Atmosphere)	
	Discharges (to intake manifold, other)		Intake Manifold	
	Air inlet (breather cap, other)		Air Cleaner — Dirty Side	
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister	
		Carburetor	N/A	
	Vapor storage provision		Carbon Canister	
Electronic system	Closed loop (yes/no)		Yes	
	Open loop (yes/no)		Yes	

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single	Tri-Y-Header Into Single System
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs.)]		One Reverse Flow, Stainless Steel & 11.2 (24.7)	One Reverse Flow, Aluminized Steel & 14 (30.9)
Resonator no. & type		N/A	One, Straight Through
Exhaust pipe	Branch o.d., wall thickness	N/A	
	Main o.d., wall thickness	50.8 x 1.37 (2.0 x .054)	50.8 x 1.37 (2.0 x 0.054)
	Material & Mass [kg (weight lbs.)]	Stainless Steel	Aluminum-Coated Steel
Intermediate pipe	o.d. & wall thickness	50.8 x 1.37 (2.0 x .054)	50.8 x 1.37 (2.0 x 0.054)
	Material & Mass [kg (weight lbs.)]	Stainless Steel	Aluminum-Coated Steel
Tail pipe	o.d. & wall thickness	44.5 x 1.37 (1.75 x .054)	44.5 x 1.37 (1.75 x 0.054)
	Material & Mass [kg (weight lbs.)]	Stainless Steel	Aluminum-Coated Steel

(a) COC — Platinum/Palladium

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Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (●) 5/2/88

METRIC (U.S. Customary)

(●) **Engine Description/Carb. Engine Code**	1.9L CENTRAL FUEL INJECTION, CODE 999

(See Page 8A for 1.9L EFI)

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

Manual 3-speed (manufacturer/country)	N/A
(●) Manual 4-speed (manufacturer/country)	Standard w/Pony & LX Models Exc. Wagon (Mazda/Japan)
(●) Manual 5-speed (manufacturer/country)	Standard w/Wagon; Optional w/Other Models (Mazda/Japan)
Automatic (manufacturer/country)	Optional 3-Speed (Ford/USA or Mazda/Japan)
Automatic overdrive (manufacturer/country)	N/A

Manual Transmission/Transaxle

			Transfer Ratios: (2.85:1)	(3.52:1)	(3.52/2.61:1)
Number of forward speeds			Four (MTX II)		Five (MTX III) (a)
Gear ratios	1st	(Final Drive)	3.46 (9.86)	3.21 (11.30)	3.60 (12.67)
	2nd	(Final Drive)	1.81 (5.16)	1.81 (6.37)	2.12 (7.46)
	3rd	(Final Drive)	1.15 (3.28)	1.15 (4.05)	1.39 (4.89)
	4th	(Final Drive)	0.78 (2.22)	0.78 (2.75)	1.02 (3.59)
	5th	(Final Drive)	—		1.02 (2.66)
	Reverse	(Final Drive)	3.27 (9.32)	3.27 (11.51)	3.62 (12.74)
Synchronous meshing (specify gears)			All Forward Gears		
Shift lever location			Floor		
Trans. case mat'l. & mass kg (lbs)*			Aluminum & 37 (81)		Aluminum & 40 (89)
Lubricant	Capacity [L (pt.)]		2.9 (6.1) (Includes Axle Lube — Common with Transaxle)		
	Type recommended		ATF ESW-M2C33-F (95.2% by Vol.) + Friction Mod. EST-M2C118-A (4.8% by Vol.)		

Clutch (Manual Transmission)

Clutch manufacturer		Valeo & Luk
Clutch type (dry, wet; single, multiple disc)		Dry Plate, Single Disc
Linkage (hydraulic, cable, rod, lever, other)		Cable with Self-Adjustment
Max. pedal effort (nom. spring load, new) N (lbs)	Depressed	93.5 (21)
	Released	53.5 (12)
Assist (spring, power/percent, nominal)		No
Type pressure plate springs		Belleville Springs
Total spring load (nominal, new) N (lbs)		3670 (825)
Clutch facing	Facing mfgr. & material coding	Valeo F-202
	Facing material & construction	Woven Non-Asbestos
	Rivets per facing	12
	Outside x inside dia. (nominal)	215 x 145 (8.46 x 5.71)
	Total eff. area [cm^2($in.^2$)]	396 (61.4)
	Thickness (pressure plate side/ fly wheel side)	3.35 (0.13)/3.35 (0.13)
	Rivet depth (pressure plate side/ fly wheel side)	1.15 (.045)/1.15 (.045)
	Engagement cushion method	Torbend Disc
Release bearing type & method lub.		Self Centering, Angular Contact, Constant Running, Pre-Packed
Torsional damping method, springs, hysteresis		Single-Stage, Springs and Friction Material

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

(a) (MTX III) is a unique arrangement utilizing dual transfer ratios. A higher numerical ratio for 1st through 4th and Reverse, and a lower numerical ratio for 5th.

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Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) 5/2/88

METRIC (U.S. Customary)

(•) **Engine Description/Carb. Engine Code**	1.9L ELECTRONIC (PORT) FUEL INJECTION, CODE 99J

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

Manual 3-speed (manufacturer/country)	N/A
Manual 4-speed (manufacturer/country)	N/A
Manual 5-speed (manufacturer/country)	Standard (Mazda/Japan)
Automatic (manufacturer/country)	N/A
Automatic overdrive (manufacturer/country)	N/A

Manual Transmission/Transaxle

Transfer Ratios: (3.73/2.73:1)

Number of forward speeds			Five (MTX III) (a)
Gear ratios	1st	(Final Drive)	3.60 (13.43)
	2nd	(Final Drive)	2.12 (7.91)
	3rd	(Final Drive)	1.39 (5.18)
	4th	(Final Drive)	1.02 (3.80)
	5th	(Final Drive)	1.02 (2.80)
	Reverse	(Final Drive)	3.62 (13.50)
Synchronous meshing (specify gears)			All Forward Gears
Shift lever location			Floor
Trans. case mat'l. & mass kg (lbs)*			Aluminum & 40 (89)
Lubricant	Capacity [L (pt.)]		2.9 (6.1) (Includes Axle Lube — Common with Transaxle)
	Type recommended		ATF ESW-M2C33-F (95.2% by Vol.) + Friction Mod. EST-M2C118-A (4.8% by Vol.)

Clutch (Manual Transmission)

Clutch manufacturer		Valeo & Luk
Clutch type (dry, wet; single, multiple disc)		Dry Plate, Single Disc
Linkage (hydraulic, cable, rod, lever, other)		Cable with Self-Adjustment
Max. pedal effort (nom. spring load, new) N (lbs)	Depressed	93.5 (21)
	Released	53.5 (12)
Assist (spring, power/percent, nominal)		No
Type pressure plate springs		Belleville Springs
Total spring load (nominal, new) N (lbs)		3670 (825)
Clutch facing	Facing mfgr. & material coding	Valeo F-202
	Facing material & construction	Woven Non-Asbestos
	Rivets per facing	12
	Outside x inside dia. (nominal)	215 x 145 (8.46 x 5.71)
	Total eff. area [cm^2($in.^2$)]	396 (61.4)
	Thickness (pressure plate side/ fly wheel side)	3.35 (0.13)/3.35 (0.13)
	Rivet depth (pressure plate side/ fly wheel side)	1.15 (.045)/1.15 (.045)
	Engagement cushion method	Torbend Disc
Release bearing type & method lub.		Self Centering, Angular Contact, Constant Running, Pre-Packed
Torsional damping method, springs, hysteresis		Single-Stage, Springs and Friction Material

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

(a) (MTX III) is a unique arrangement utilizing dual transfer ratios. A higher numerical ratio for 1st through 4th and Reverse, and a lower numerical ratio for 5th.

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Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) _____

METRIC (U.S. Customary)

Engine Description/Carb. Engine Code	ALL MODELS

Automatic Transmission/Transaxle

Trade name		Transaxle (ATX)
Type and special features (describe)		ATX-Wide Ratio, 3-Speed with Open Torque Converter in Low and Split-Torque in Intermediate and High
Selector	Location	Floor
	Ltr./No. designation	P R N D 2 1
Gear ratios	1st	2.81
	2nd	1.60
	3rd	1.00
	4th	—
	Reverse	2.03
Max. upshift speed - drive range [km/h (mph)]		128 (80)
Max. kickdown speed - drive range [km/h (mph)]		120 (75)
Min. overdrive speed [km/h (mph)]		
Torque converter	Number of elements	Three
	Max. ratio at stall	2.4
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	2.35 (9.25)
	Capacity factor "K"*	
Lubricant	Capacity [refill L (pt.)]	7.6 (16.1) (Includes Axle Lube — Common with Transaxle)
	Type Recommended	ESP-M2C166-H (Ford) (Mercon® for Service)
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard, External Oil to Engine Coolant
Transmission case material & mass kg (lbs)**		Aluminum & 78 (171)

Axle or Front Wheel Drive Unit

Type (front, rear)		Front Wheel Drive
Description		MTX II 4-Speed Manual, MTX III 5-Speed Manual and ATX 3-Speed Automatic
Limited slip differential (type)		N/A
Drive pinion offset		N/A
Drive pinion (type)		N/A
No. of differential pinions		Two
Pinion/differential adjustment (shim, other)		N/A
Pinion/differential bearing adjustment (shim, other)		Select Fit Shim
Driving wheel bearing (type)		Tapered Roller — MTX II & MTX III; Ball Type — ATX
Lubricant	Capacity [L (pt.)]	2.9 (6.1) — MTX II & MTX III; 7.6 (16.1) — ATX (Axle Lube — Com. w/Trans.)
	Type recommended	MTX II & MTX III (a); ATX (See Lubricant Requirement Above)

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

Axle ratio (or overall top gear ratio)		—				
No. of teeth	Pinion	N/A				
	Ring gear or gear	N/A				
Ring gear o.d.		N/A				
Transaxle	Transfer gear ratio	2.85:1	3.26:1	3.52:1	3.52/2.61:1 (b)	3.73/2.73 (b)
	Final drive ratio	2.22:1	3.26:1	2.75:1	3.59/2.66:1	3.80/2.80:1

*Input speed ÷ $\sqrt{\text{Torque}}$

**Includes shift linkage, lubricant, & clutch housing. If other specify. Projected shipping weight.

(a) ATF ESW-M2C33-F (95.2% Volume) plus friction modifier EST-M2C118-A (4.8% by Volume).

(b) (MTX III) is a unique arrangement utilizing dual transfer ratios, a higher numerical ratio for 1st through 4th and Reverse and a lower numerical ratio for 5th.

MVMA Specifications Form

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) 10/14/88

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

ALL MODELS

Axle Shafts — Front Wheel Drive

Manufacturer and number used			One Each, LH & RH Sides — Unequal Length
Type (straight, solid bar, tubular, etc.)		Left	Solid Bar
		Right	Solid Bar
(1) (•) Outer diam. x length* x (•) wall thickness	Manual transaxle 4-Speed	Left	26 (1.02) x 322 (12.68)
		Right	26 (1.02) x 645 (25.39)
	Automatic transaxle 3-Spd. Opt.	Left	26 (1.02) x 305 (12.01)
		Right	26 (1.02) x 645 (25.39)
	Optional transaxle 5-Spd. Man. (a)	Left	26 (1.02) x 322 (12.68)
(•)		Right	26 (1.02) x 645 (25.39)
Slip yoke	Type		N/A
	Number of teeth		N/A
	Spline o.d.		N/A
Universal joints	Make and mfg. no.	Inner	GKN-ACI
		Outer	GKN-ACI
	Number used		2 Inner and 2 Outer (4 Total)
	Type, size, plunge	Inner	LH-C2000, DOJ-42.2 (1.66), Plunge/RH-C2000, Tripod-52.3 (2.06), Plunge
		Outer	C2000 Fixed (Rzeppa)
	Attach (u-bolt, clamp, etc.)		Non-Bolted
	Bearing — Type (plain, anti-friction)		N/A
	Bearing — Lubrication (fitting, prepack)		N/A
(•) Drive taken through (torque tube, arms or springs)			Lower Control Arms, MacPherson Struts
(•) Torque taken through (torque tube, arms or springs)			Engine Mounting System

(2) All Wheel/4 Wheel Drive (NOT APPLICABLE)

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

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

(•) (a) Standard w/GT and Wagon Models

MVMA Specifications Form

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (●) 11/18/88

METRIC (U.S. Customary)

(SEE PAGE 11A FOR GT MODELS)

Body Type And/Or Engine Displacement	HATCHBACK MODELS EXC. GT	WAGON MODEL AND OPT. LOAD CARRYING SUSP.

Ⓓ Suspension — General Including Electronic Controls

Car leveling	Standard/optional/not avail.	N/A
	Manual/automatic control	
	Type (air/hydraulic)	
	Primary/assist spring	
	Rear only/4 wheel leveling	
	Single/dual rate spring	
	Single/dual ride heights	
	Provision for jacking	
Shock absorber damping controls	Standard/option/not avail.	N/A
	Manual/automatic control	
	Number of damping rates	
	Type of actuation (manual/electric motor/air, etc.)	
	sensors: Lateral acceleration	
	sensors: Deceleration	
	sensors: Acceleration	
	sensors: Road surface	
Shock absorber (front & rear)	Type	Strut Type, Nitrogen Gas-Pressurized Hydraulic
	Make	APA KYB
	Piston diameter	27 (1.06) Front and Rear
	Rod diameter	20 (.90) Front, 18 (.70) Rear

Ⓓ Suspension — Front

(●)	Type and description		MacPherson Strut — Indep., Front Drive w/Strut Mounted Coil Spring; Stab. Bar — Forged Lower Arms & Cast Knuckles	
	Travel*	Full jounce	85.2 (3.35)	83.6 (3.29)
		Full rebound	96.8 (3.81)	98.4 (3.87)
	Spring	Type (coil, leaf, other) & material	Coil, SAE-5160-H Steel	
		Insulators (type & material)	Upper Contained in Shock Mount (Rubber); Lower None	
		Size (coil design height & i.d., bar length x dia.)	Coil 219 (8.6) & 102 (4.0), 2876 (113.2) x 12.8 (0.50)	Coil 219 (8.6) & 102 (4.0), 2967 (116.8) x 12.5 (0.49)
		Spring rate [N/mm (lb./in.)]	28 (160)	24.5 (140)
		Rate at wheel [N/mm (lb./in.)]	26.2 (150)	22.9 (131)
	Stabilizer	Type (link, linkless, frameless)	Linkless, Dual Function Strut/Stabilizer	
(●)		Material & bar diameter	SAE-5160H Steel & 24 (.94)	SAE-5160H Steel & 26 (1.02)

Ⓓ Suspension — Rear

(●)	Type and description		Modified MacPherson-Strut Type; Independent, Non-Driven w/Coil Spring on Lower Arm — Tension Strut — Cont. Arm — Forged Spindle	
	Travel*	Full jounce	94.5 (3.72)	93.5 (3.68)
		Full rebound	104.5 (4.11)	105.5 (4.15)
	Spring	Type (coil, leaf, other) & material	Coil & SAE-5160-H Steel; Lower None	
		Size (length x width, coil design height & i.d., bar length & dia.)	Coil 150 (5.9) & 84 (3.31), 2377 (93.6) & 12.4 (0.49)	Coil 150 (5.9) & 84 (3.31), 2200 (86.6) & 12.87 (.51) to 10.18 (.40)
		Spring rate [N/mm (lb./in.)]	41.2 (235)	Variable 38.5 (220) to 59.7 (341)
		Rate at wheel [N/mm (lb./in.)]	26.6 (151.9)	Variable 24.8 (142) to 38.5 (220)
		Insulators (type & material)	Upper, to Match Spring & Rubber	
		If leaf: No. of leaves	N/A	
		If leaf: Shackle (comp. or tens.)	N/A	
	Stabilizer	Type (link, linkless, frameless)	N/A	
		Material & bar diameter	N/A	
	Track bar (type)		N/A	

*Define load condition:

MVMA Specifications Form

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) 11/18/88

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement	GT MODEL

∅ Suspension — General Including Electronic Controls

Car leveling	Standard/optional/not avail.		N/A
	Manual/automatic control		
	Type (air/hydraulic)		
	Primary/assist spring		
	Rear only/4 wheel leveling		
	Single/dual rate spring		
	Single/dual ride heights		
	Provision for jacking		
Shock absorber damping controls	Standard/option/not avail.		N/A
	Manual/automatic control		
	Number of damping rates		
	Type of actuation (manual/electric motor/air, etc.)		
	sensors	Lateral acceleration	
		Deceleration	
		Acceleration	
		Road surface	
Shock absorber (front & rear)	Type		Strut Type, Nitrogen Gas-Pressurized Hydraulic
	Make		APA KYB
	Piston diameter		27 (1.06) Front and Rear
	Rod diameter		20 (.90) Front, 18 (.70) Rear

∅ Suspension — Front

(•) Type and description			MacPherson Strut — Indep., Front Drive w/Strut Mounted Coil Spring; Stab. Bar — Forged Lower Arms & Cast Knuckles
Travel*	Full jounce		75.1 (2.96)
	Full rebound		106.9 (4.21)
Spring	Type (coil, leaf, other) & material		Coil, SAE-5160-H Steel
	Insulators (type & material)		Upper Contained in Shock Mount (Rubber); Lower None
	Size (coil design height & i.d., bar length x dia.)		Coil 219 (8.6) & 102 (4.0), 2759 (108.6) x 13.0 (0.51)
	Spring rate [N/mm (lb./in.)]		31.5 (180)
	Rate at wheel [N/mm (lb./in.)]		29.4 (169)
Stabilizer	Type (link, linkless, frameless)		Linkless, Dual Function Strut/Stabilizer
	Material & bar diameter		SAE-5160H Steel & 28 (1.10)

∅ Suspension — Rear

(•) Type and description			Modified MacPherson-Strut Type; Independent, Non-Driven w/Coil Spring on Lower Arm — Tension Strut — Cont. Arm — Forged Spindle
Travel*	Full jounce		80.8 (3.18)
	Full rebound		118.2 (4.65)
Spring	Type (coil, leaf, other) & material		Coil & SAE-5160-H Steel
	Size (length x width, coil design height & i.d., bar length & dia.)		Coil 150 (5.9) & 84 (3.31), 2185 (86.0) & 10.18 (.40) to 12.87 (.50)
	Spring rate [N/mm (lb./in.)]		Variable 38.5 (220) to 59.7 (341)
	Rate at wheel [N/mm (lb./in.)]		Variable 24.8 (142) to 38.5 (220)
	Insulators (type & material)		Upper, to Match Spring & Rubber; Lower None
	If leaf	No. of leaves	N/A
		Shackle (comp. or tens.)	N/A
Stabilizer	Type (link, linkless, frameless)		Combined Eye & Bayonet Design
	Material & bar diameter		SAE-5160-H & 12 (0.47)
Track bar (type)			N/A

*Define load condition:

MVMA Specifications Form

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) _____

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement	2-DOOR HATCHBACK	ALL MODELS EXC. 2-DR. HATCHBACK

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	
Valving type (proportion, delay, metering, other)				Proportioning	
Power brake (std., opt., n.a.)				Standard	
Booster type (remote, integral, vac., hyd., etc.)				200 (7.87) Single Diaphragm — Integral — Vacuum	
Vacuum	Source (inline, pump, etc.)			Inline	
	Reservoir (volume in.³) and source			N/A	
	Pump-type (elec., gear driven, belt driven)			N/A	
Traction control	Operational speed range			N/A	
	Type engine intervention (electronic, mech.)			N/A	
Anti-lock device	Front/rear (std., opt., n.a.)			N/A	
	Manufacturer				
	Type (electronic, mech.)				
	Number sensors or circuits				
	Number anti-lock hydraulic circuits				
	Integral or add-on system				
	Yaw control (yes, no)				
	Hydraulic power source (elect., vac. mtr., pwr. strg.)				
Effective area [cm²(in.²)]*(F/R)				163.2 (25.3)/230.4 (35.7)	163.2 (25.3)/281.8 (43.7)
Gross lining area [cm²(in.²)]**(F/R)				179 (27.7)/230.4 (35.7)	179 (27.7)/281.8 (43.7)
Swept area [cm²(in.²)]***(F/R)				968 (150)/348.3 (54.0)	968 (150)/433.7 (67.2)
Rotor	Outerworking diameter		F/R	234 (9.2)/N/A	
	Inner working diameter		F/R	151 (5.94)/N/A	
	Thickness		F/R	24 (0.94)/N/A	
	Material & type (vented/solid)		F/R	Cast Iron, Vented/N/A	
Drum	Diameter & width		F/R	N/A/180 (7.10)	N/A/203 (8.0)
	Type and material		F/R	N/A/Full Cast Iron	N/A/Composite Cast Iron
Wheel cylinder bore				60 (2.36)/20.6 (0.81)	
Master cylinder	Bore/stroke		F/R	Main Bore 19.7 (0.78), Fast Fill Bore 28.5 (1.12)/39.7 (1.56)	
Pedal arc ratio				2.81:1	
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]				10,860 (1575)	
Lining clearance			F/R	0.13 (0.005)/0.25 (0.010)	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Riveted 5/Seg	
		Rivet size		4.7 (0.185)	
		Manufacturer		ABEX	
		Lining code*****		91646Q3	
		Material		Molded Organic	
		**** Size	Primary or out-board	122 x 39 x 12.2 (4.8 x 1.54 x 0.48)	
			Secondary or in-board	122 x 39 x 12.2 (4.8 x 1.54 x 0.48)	
		Shoe thickness (no lining)		5.0 (0.197) Nominal	
	Rear wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Manufacturer		Bendix	
		Lining Code*****		BX-MO-FF 3152F	
		Material		Molded Organic	
		**** Size	Primary or out-board	187 x 30.8 x 5.6 (7.4 x 1.21 x .22)	211 x 34 x 4.5 (8.3 x 1.34 x .18)
			Secondary or in-board	187 x 30.8 x 5.6 (7.4 x 1.21 x .22)	211 x 34 x 4.5 (8.3 x 1.34 x .18)
		Shoe thickness (no lining)		1.53 (0.6) Nominal	1.89 (.074) Nominal

*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

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) 5/2/88

METRIC (U.S. Customary)

(•) Body Type And/Or Engine Displacement	ALL MODELS EXCEPT GT	GT MODEL

Tires And Wheels (Standard)

(•)	Tires	Size (load range, ply)	P175/70R14	P195/60HR15
		Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial	
		Inflation pressure (cold) for recommended max. vehicle load — Front [kPa (psi)]	207 (30)	
		Inflation pressure (cold) for recommended max. vehicle load — Rear [kPa (psi)]	207 (30)	
(•)		Rev./mile — at 70 km/h (45 mph)	874	861
(•)	Wheels	Type & material	Disc — Semi Styled Steel Stamped	Cast Aluminum — 8 Spoke
(•)		Rim (size & flange type)	14 x 5.0JJ	15 x 6.0JJ
		Wheel offset	39.3 (1.55)	37.3 (1.47)
		Attachment — Type (bolt or stud)	Stud	
		Attachment — Circle diameter	108 (4.25)	
		Attachment — Number & size	Four — 12 (0.47)	
(7)	Spare	Tire and wheel	P155/80D13 BSW, 240 kPa (35 PSI), Wheel 330 x 114.3 (13 x 4.5), 41.4 (1.6) Offset — Temporal Spare	
		Storage position & location (describe)	Flat Position, Deep Well in Cargo Floor	

Tires And Wheels (Optional)

Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
(•) Wheel (type & material)	Disc — Polycast/Steel (N/A w/GT)
Rim (size, flange type and offset)	14 x 5.5JJ, Offset 37.3 (1.47)
Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
(7) Spare tire and wheel (size) (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position	

Brakes — Parking

Type of control		Hand Operated — Manual Release
Location of control		Between Front Seats
Operates on		Rear Service Brakes
If separate from service brakes	Type (internal or external)	N/A
	Drum diameter	N/A
	Lining size (length x width x thickness)	N/A

MVMA Specifications Form

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) 8/31/88

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement: ALL MODELS

Steering

Manual (std., opt., n.a.)				Standard Except GT
Power (std., opt., n.a.)				Optional (Standard w/GT)
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		368 (14.5)
		Power		368 (14.5)
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		10.9 (35.7) (Exc. 11.4 (37.25) w/GT)
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		
Scrub Radius*				– 2.6 (–.10)
Manual	Gear	Type		Rack and Pinion
		Manufacturer		TRW Cam Gears Ltd.
		Ratios	***	10.36° /MM of Rack Travel
			Overall	21.2:1 (On Center)
	No. wheel turns (stop to stop)			3.5
Ⓘ Power	Type (coaxial, elec., hyd., etc.)			Integral Rack and Pinion
	Manufacturer			Ford Gear — Ford Pump, Fluid ESP-M2C138-CJ
	Gear	Type		Rack and Pinion (Constant Ratio)
		Ratios	***	8.93°/MM of Rack Travel
			Overall	18.3:1 (On Center)
	Pump (drive)			Multi-Rib Belt Off Crankshaft Pulley
	No. wheel turns (stop to stop)			3.04
(•) Linkage	Type			Integral with Gear
	Location (front or rear of wheels, other)			Rear
	Tie rods (one or two)			2 Integral with Gear
Steering axis	Inclination at camber (deg.)			Left — 14.64°; Right — 15.09°
	Bearings (type)	Upper		Shock Strut Shaft
		Lower		Ball Joint
		Thrust		N/A
Steering spindle & joint type				Cast Knuckle Support w/Integral Steering Arm & Lower Ball Joint
Wheel spindle/hub	Diameter	Inner bearing		34.98 — 34.957 (1.38 — 1.376)
		Outer bearing		34.98 — 34.957 (1.39 — 1.376)
	Thread (size)			CV Joint Outer Race M20 x 1.5
	Bearing (type)			Non-Adjustable Tapered Roller

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

**See Page 22.

***Rack Speed

MVMA Specifications Form

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) 10/14/88

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement	ALL MODELS

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	+ 2.3° ± 0.75° (a)
		Camber (deg.)	Left + 1.12° ± 0.75°; Rt + 0.74° ± 0.75° (b)
		Toe-in [outside track-mm (in.)]	− 2.5 ± 3.0 (− 0.10 ± 0.12)
	Service reset*	Caster	Factory Set and Cannot Be Adjusted
		Camber	Factory Set and Cannot Be Adjusted
		Toe-in	− 2.5 ± 3.0 (− 0.10 ± 0.12)
	Periodic M.V. inspection	Caster	+ 2.3° ± 0.75° (a)
		Camber	Left + 1.2° ± 0.75°, Rt + 0.74° ± 0.75° (b)
		Toe-in	− 2.5 ± 3.0 (− 0.10 ± 0.12)
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	− 0.35° ± 0.85° (c)
		Toe-in [outside track-mm (in.)]	+ 4.6 ± 4.6 (+ 0.18 ± 0.18) (d)
	Service reset*	Camber	Factory Set and Cannot Be Adjusted
		Toe-in	+ 4.6 ± 4.6 (− 0.18 ± 0.18) (d)
	Periodic M.V. inspection	Camber	− 0.40°, Min − 1.25°/Max + 0.45° (c)
		Toe-in	+ 4.6 ± 4.6 (− 0.18 ± 0.18) (d)

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

Electrical — Instruments and Equipment

(•) Speedometer	Type (analog, digital, std., opt.)	Analog, Standard
	Trip odometer (std., opt., n.a.)	Optional w/LX Only (Standard w/GT)
EGR maintenance indicator		N/A
Charge indicator	Type	N/A
	Warning device (light, audible)	Warning Light, Standard
Temperature indicator	Type	Gauge, Optional (Std. w/GT)
	Warning device (light, audible)	Warning Light, Standard
Oil pressure indicator	Type	N/A
	Warning device (light, audible)	Warning Light, Standard
Fuel indicator	Type	45° Gauge, Standard
	Warning device (light, audible)	Lo-Fuel Warning Light (w/Lower Console) (Opt. Exc. Std. w/GT)
Windshield wiper	Type (standard)	Two-Speed Electric (Column-Mounted Control)
	Type (optional)	Interval Wipe (Column-Mounted Control)
	Blade length	454 (18.0)
	Swept area [cm²(in.²)]	4792 (742.7)
Windshield washer	Type (standard)	Electric Pump (Impeller Type)
	Type (optional)	N/A
	Fluid level indicator (light, audible)	Warning Light, Opt. (Std. w/GT)
Rear window wiper, wiper/washer (std., opt., n.a.)		Optional (All Models Exc. Pony)
Horn	Type	Air Electric
	Number used	One Lo-Pitch (Std.); One Hi-Pitch (Opt. Exc. Std. w/GT)
Other		SEE PAGE 15A

(a) Max. Side-to-Side Difference Not to Exceed ± 0.75°
(b) Max. Side-to-Side (Left/Right) to be 0.46° ± 0.75°
(c) Max. Side-to-Side Difference Not to Exceed ± 1.2°
(d) Toe-In (Individual Sides) + 2.3 ± 3.8 (0.09 ± 0.15)

Electrical — Instruments and Equipment: (Cont'd)

- Directional Turn Signal Lights
- Emergency Flashers
- Hi-Beam Indicator
- Cigar Lighter
- Fog Lamps (Std. w/GT)
- Up-shift Light w/Manual Transmission
- Instrument Panel Warning Lights: Standard
  - — Tailgate Ajar (Located Upper Left, Available w/Wagon)
  - — Check Engine
  - (•) — Door Ajar
  - — Low Coolant (Available with Opt. Air Cond. Only)
  - — Brake System
  - — Fasten Seat Belt

MVMA Specifications Form

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) _____

METRIC (U.S. Customary)

Engine Description/Carb. Engine Code	1.9L CFI	1.9L EFI

Electrical — Supply System

Battery	Manufacturer	Johnson Controls Inc. or GNB		
	Model, std., (opt.)	GRP 58 Standard	GRP 58 Optional	GRP 58 Standard
	Voltage	12 Volt		
	Amps at 0°F cold crank	460	540	540
	Minutes-reserve capacity	82	100	100
	Amp/hrs. - 20 hr. rate	48	58	58
	Location	Low-Silhouette — Mtd. in LH Apron Forward of Strut Tower		
Alternator	Manufacturer	Ford (EED Rawsonville)		
	Rating (idle/max. rpm)	E7EF-FB (60 Amp)		
	Ratio (alt. crank/rev.)	2.33:1		
	Output at idle (rpm, park)			
	Optional (type & rating)	E8CF-AA (80 Amp); Included with A/C		
Regulator	Type	Electronic Integral w/Alternator		

Electrical — Starting System

Start. motor	Manufacturer	Motorcraft
	Current drain at 0°F	270-300 Amps.
	Power rating [kw (hp)]	
Motor drive	Engagement type	Positive (E6EF-AA)
	Pinion engages from (front, rear)	Front

Electrical — Ignition System

Type	Electronic (std., opt., n.a.)		Standard (E8EF-B1A)	Standard (E8EF-A1A)
	Other (specify)		N/A	
Coil	Manufacturer		Motorcraft	
	Model		E73F-12029-AB	
	Current	Engine stopped — A	0	
		Engine idling — A	4.9-6.1	5.9-7.1
Spark plug	Manufacturer		Motorcraft	
	Model		AGSF-34C	AGSF-24C
	Thread (mm)		14	
	Tightening torque [N-m (lb. ft)]		10-20 (7-14)	
	Gap		1.12 (0.044)	
	Number per cylinder		One	
Distributor	Manufacturer		Motorcraft	
	Model		Breakerless	

Electrical — Suppression

Locations & type	Capacitor in Alternator, Ground Strap Between Engine Block and Shock Tower. Resistor Spark Plugs and Resistance Ignition Wire Ground Strap Between Exhaust Pipe & Steering Bracket.

MVMA Specifications Form

Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (•) 10/14/88

METRIC (U.S. Customary)

Body Type	ALL MODELS

Body

Structure	Unitized All-Steel Welded Body with Multi-Piece Side Stampings and Energy-Absorbing Front and Rear Structures
ⓘ Bumper system front-rear	Front — Thermoplastic Front/Rear — 5 MPH Bumper — Ford Requirements Rear — Thermoplastic
Anti-corrosion treatment	• Major Exterior & Underbody Sheet Metal Components Except Roof and Rear Floor Pan and Panels Pre-Coated (Galvanized) Steel • Body Cathodically Electrocoat Primed • Urethane Chip Resistant Primer or Plastic Cladding on Lowerd Body Sides • Grille: Polyester or A.B.S. Painted

ⓘ Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		Enamel (Acrylic)
Hood	Material & mass	Steel
	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	Internal (Primary) Cable Release; External (Secondary)
Trunk lid	Material & mass	N/A
	Type (counterbalance, other)	N/A
	Internal release control (elec., mech., n.a.)	N/A
Hatch-back lid	Material & mass	Steel
	Type (counterbalance, other)	Gas Struts Lift
	Internal release control (elec., mech., n.a.)	Electric (Opt. w/All Mdls. Exc. GT, Pony; Std. w/GT)
Tailgate	Material & mass	Steel
	Type (drop, lift, door)	Gas Struts Lift
	Internal release control (elec., mech., n.a.)	N/A, Standard; Electric, Optional
Vent window control (crank, friction, pivot, power	Front	N/A
	Rear	N/A
Window regulator type (cable, tape, flex, drive, etc.)	Front	Mechanical Drive
	Rear	Mechanical Drive
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Bucket, Stamped Frame — Coil Springs & Flexolator — Foam Pad
	Rear	Bench, Integral Frame & Foam Pad Assembly
	3rd seat	N/A
Seat back type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Bucket, Stamped Frame — Foam Pad
	Rear	Bench, Plastic Load Floor — Foam Pad Assy., Fold-Down Type (a)
	3rd seat	N/A

(•) (a) Split 50/50 w/GT Model (Optional w/LX Models)

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METRIC (U.S. Customary)

Body Type | ALL MODELS

Ⓘ Restraint System

Seating Position			Left	Center	Right
(•) (•) Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard/optional	First seat	Type 1 & Lap Belt Only, Std.	N/A	Type 1 & Lap Belt Only, Std.
		Second seat	Type 1 & Lap Belt Only, Standard	N/A	Type 1 & Lap Belt Only, Standard
		Third seat	N/A	N/A	N/A
(•) Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt) Standard/optional	First seat	Motorized — 2-Point Shoulder Belt, Standard	N/A	Motorized — 2-Point Shoulder Belt, Standard
		Second seat	N/A	N/A	N/A
		Third seat	N/A	N/A	N/A

Glass	SAE Ref. No.	2-Dr. Hatchback	4-Dr. Hatchback	Wagon
Windshield glass exposed surface area [cm²(in.²)]	S1	6939 (1076)	6939 (1076)	
Side glass exposed surface area [cm²(in.²)]-total 2-sides	S2	10771 (1671) Qtr.: 6597 (1023)	10771 (1671) Qtr.: 2722 (422)	14501 (2248)
Backlight glass exposed surface area [cm²(in.²)]	S3	8871 (1375)	8871 (1375)	4977 (772)
Total glass exposed surface area [cm²(in.²)]	S4	25390 (3937)	25390 (3937)	26418 (4095)
Windshield glass (type)		Laminated		
Side glass (type)		Tempered — Safety		
Backlight glass (type)		Tempered		

Ⓛ Lamps and Headlamp Locations

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

Frame

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

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Body Type	ALL MODELS

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

(7)	Air conditioning (manual, auto. temp control)		Optional, Manual Temperature Control
	Clock (digital, analog)		Optional Digital, Located Overhead Console
	Compass/thermometer		N/A
	Console (floor, overhead)		Std. w/GT, Floor; Std. w/GT, Overhead
	Defroster, elec. backlight		Optional (Mandatory in New York State)
	Electronic	Diagnostic monitor (integrated, individual)	Std. w/GT, Graphic Systems in Lower Console
		Instrument cluster (list instruments)	N/A
		Keyless entry	N/A
		Tripminder (avg. spd., fuel)	N/A
		Voice alert (list items)	N/A
		Other	Optional, Headlamps-On Warning Chime
	Fuel door lock (remote, key, electric)		Optional (Std. w/GT), Remote Cable Operated
	Lamps	Auto head on/off delay, dimming	N/A
		Cornering	N/A
		Courtesy (map, reading)	Optional (Std. w/GT), Map
		Door lock, ignition	N/A
		Engine compartment	Optional
		Fog	Standard with GT Only
(•)		Glove compartment	Standard
		Trunk	Optional, Cargo Area
(2)		Illuminated entry system (list lamps, activation)	N/A
		Other	
	Mirrors	Day/night (auto. man.)	Standard, Manual
(•)		L.H. (remote, power, heated)	Std. Exc. GT, Man.; Std. w/GT, Power (N/A w/Pony or 2.85 Axle Ratio)
(•)		R.H. (convex, remote, power, heated)	Opt. Exc. Pony (Std. w/GT), Pwr. Convex (N/A w/Pony or 2.85 Axle Ratio)
		Visor vanity (RH/LH, illuminated)	Optional Exc. Pony, RH Illuminated
(2)	Navigation system (describe)		N/A
	Parking brake-auto release (warning light)		N/A

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METRIC (U.S. Customary)

Body Type | ALL MODELS

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

(•)∅		Deck lid (release, pull down)		Std. w/GT (Opt. w/LX Models), Liftgate Release
		Door locks (manual, automatic, describe system)		N/A
	Power equipment	Seats	2 - 4 - 6 way, etc.	N/A
			Reclining (R.H., L.H.)	N/A
			Memory (R.H., L.H., preset, recline)	N/A
			Lumbar, hip, thigh, support	N/A
			Heated (R.H., L.H., other)	N/A
		Side windows		N/A
		Vent windows		N/A
		Rear windows		N/A
		Antenna (location, whip, w/shield, power)		Standard, Whip — R.H. Fender
(•)∅	Radio systems	Standard	AM, FM, stereo, tape compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	Electronic AM w/All Models Exc. Pony & GT Electronic AM/FM Stereo w/GT Model
		Optional		Electronic AM w/Pony Only Electronic AM/FM Stereo w/Pony & LX Models Electronic AM/FM Stereo w/Cassette w/All Models Premium Sound w/LX Models
		Speaker (number, location)		Two, One Each Front Door w/Electronic AM Four, One Each Front Door and Two Rear w/All Radios (Exc. AM) and Premium Sound
(•)	Roof open air fixed (flip-up, sliding, "T")			N/A
	Speed control device			Optional w/All Models Exc. Pony
	Speed warning device (light, buzzer, etc.)			N/A
(•)	Tachometer (rpm)			Standard w/GT/Opt. w/LX Models, (7000)
	Telephone system (describe)			N/A
	Theft deterrent system			N/A

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Vehicle Line ESCORT
Model Year 1989 Issued 2/88 Revised (e) 5/2/88

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

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

(e) Body Type	SAE Ref. No.	2-DR. H'BACK (EXC. GT)	2-DOOR GT MODEL	4-DOOR HATCHBACK	WAGON
Width					
Tread (front)	W101	1390 (54.7)	1396 (54.9)	1390 (54.7)	
Tread (rear)	W102	1422 (56.0)	1429 (56.1)	1422 (56.0)	
Vehicle width	W103	1673 (65.9)			
Body width at SgRP (front)	W117	1601 (63.0)			
Vehicle width (front doors open)	W120	3662 (144.2)		3186 (125.4)	
Vehicle width (rear doors open)	W121	—		3049 (120.0)	
Front fender overall width	W106	1639 (64.5)			
Rear fender overall width	W107	1641 (64.6)			
Tumble-home (deg.)	W122	20.5°			
Vehicle width including mirrors					
Length					
Wheelbase	L101	2393 (94.2)			
Vehicle length	L103	4302 (169.4)	4293 (169)	4302 (169.4)	
Overhang (front)	L104	914 (36)			
Overhang (rear)	L105	996 (39.2)	987 (38.8)	996 (39.2)	
Upper structure length	L123	2741 (108.1)			
Rear wheel C/L "X" coordinate	L127	2166 (85.3)			
Cowl point "X" coordinate	L125	187 (7.37)			
Front end length at centerline	L126	1173 (46.2)			
Rear end length at centerline	L129	97 (3.8)			37.9 (1.5)
Height*					
Passenger distribution (front/rear)	PD1,2,3	2/1			
Trunk/cargo load		0			
Vehicle height	H101	1365 (53.7)		1364 (53.7)	1357 (53.4)
Cowl point to ground	H114	923 (36.3)			
Deck point to ground	H138	944 (37.1)			838 (33.0)
Rocker panel-front to ground	H112	181 (7.1)			
Bottom of door closed-front to ground	H133	284 (11.2)			286 (11.3)
Rocker panel-rear to ground	H111	185 (7.3)			188 (7.4)
Bottom of door closed-rear to ground	H135	—		282 (11.1)	285 (11.2)
Windshield slope angle	H122	55°			
Backlight slope angle	H121	64.8°			33.9°
Ground Clearance*					
Front bumper to ground	H102	276.8 (10.9)	269.8 (10.6)	276.7 (10.9)	276.9 (10.9)
Rear bumper to ground	H104	277.5 (10.9)	270.6 (10.7)	277.1 (10.1)	276.7 (10.9)
Bumper to ground [front at curb mass (wt.)]	H103	283.0 (11.1)	273.8 (10.8)	282.9 (11.1)	283.1 (11.2)
Bumper to ground [rear at curb mass (wt.)]	H105	327 (12.9)	320.9 (12.6)	326.6 (12.9)	326.4 (12.9)
Angle of approach (degrees)	H106	19.2°	17.7°	19.2°	19.3°
Angle of departure (degrees)	H107	18.0°	17.6°	18.0°	18.0°
Ramp breakover angle (degrees)	H147	15.1°	14.8°	15.0°	15.0°
Axle differential to ground (front/rear)	H153	N/A			
Min. running ground clearance	H156	137.5 (5.4)	132.5 (5.2)	137.2 (5.4)	137 (5.4)
Location of min. run. grd. clear.		9 (0.35) — Exhaust System Behind the Rear Wheels			

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

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METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

(•) Body Type	SAE Ref. No.	2-DR. H'BACK (EXC. GT)	2-DOOR GT MODEL	4-DOOR HATCHBACK	WAGON
Front Compartment					
SgRP front, "X" coordinate	L31	3104 (43.4)			
Effective head room	H61	967 (38.1)			
Max. eff. leg room (accelerator)	L34	1055 (41.5)			
SgRP to heel point	H30	260 (10.2)			
SgRP to heel point	L53	841 (33.1)			
Back angle	L40	24°			
Hip angle	L42	94.6°			
Knee angle	L44	121.7°			
Foot angle	L46	87°			
Design H-point front travel	L17	180 (7.1)			
Normal driving & riding seat track trvl.	L23	160 (6.30)			
Shoulder room	W3	1304 (51.3)			
Hip room	W5	1308 (51.5)			
Upper body opening to ground	H50	1252 (49.3)			1244 (49)
Steering wheel maximum diameter*	W9	368 (14.5)			
Steering wheel angle	H18	26.3°			
Accel. heel pt. to steer. whl. cntr	L11	471 (18.5)			
Accel. heel pt. to steer. whl. cntr	H17	628 (24.7)			
Steering wheel to C/L of thigh	H13	88 (3.46)			
Steering wheel torso clearance	L7	354 (13.9)			
Headlining to roof panel (front)	H37	18 (0.7)			
Undepressed floor covering thickness	H67	20 (0.8)			
Rear Compartment					
SgRP point couple distance	L50	751 (29.6)			
Effective head room	H63	942 (37.1)			971 (38.2)
Min. effective leg room	L51	891 (35.1)			
SgRP (second to heel)	H31	303 (11.9)			
Knee clearance	L48	26 (1.0)			
Compartment room	L3	650 (25.6)			
Shoulder room	W4	1308 (51.5)		1306 (51.4)	
Hip room	W6	1121 (44.1)		1127 (44.4)	
Upper body opening to ground	H51	—		1256 (49.5)	1244 (49.0)
Back angle	L41	24°			
Hip angle	L43	84°			
Knee angle	L45	83°			
Foot angle	L47	118°			
Headlining to roof panel (second)	H38	22 (0.9)			
Depressed floor covering thickness	H73	20 (0.8)			
Luggage Compartment					
Usable luggage capacity [L (cu.ft.)]	V1	801 (31.5)		802 (31.6)	546 (21.5)
Liftover height	H195	707 (27.8)			

Interior Volumes (EPA Classification)

Vehicle class		Compact		Small
Interior volume index (cu.ft.)		102.4	102.5	113.8
Trunk/cargo index (cu.ft.)		17.6	17.7	28.0

*See page 14.

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METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Body Type ALL MODELS

Station Wagon—Third Seat	SAE Ref. No.	(NOT APPLICABLE)
Seat facing direction	SD1	
SgRP couple distance	L85	
Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
SgRP to heel point	H87	
Knee clearance	L87	
Back angle	L88	
Hip angle	L89	
Knee angle	L90	
Foot angle	L91	

Station Wagon—Cargo Space		
Cargo length (open front)	L200	N/A
Cargo length (open second)	L201	N/A
Cargo length (closed front)	L202	1499 (59.0)
Cargo length (closed second)	L203	874 (34.4)
Cargo length at belt (front)	L204	1429 (56.2)
Cargo length at belt (second)	L205	680 (26.8)
Cargo width (wheelhouse)	W201	907 (35.7)
Rear opening width at floor	W203	1026 (40.4)
Opening width at belt	W204	1210 (47.6)
Min. rear opening width above belt	W205	949 (37.4)
Cargo height	H201	891 (35.0)
Rear opening height	H202	793 (31.2)
Tailgate to ground height	H250	546 (21.5)
Front seatback to load floor height	H197	633 (24.9)
Cargo volume index [$m^3(ft.^3)$]	V2	1.66 (58.8)
Hidden cargo volume index [$m^3(ft.^3)$]	V4	N/A
Cargo volume index-rear of 2-seat	V10	0.89 (28.0)

(•) Hatchback—Cargo Space		2-DOOR HATCHBACK	4-DOOR HATCHBACK
Cargo length at front seatback height	L208	1149 (45.2)	
Cargo length at floor (front)	L209	1512 (59.5)	
Cargo length at second seatback height	L210	659 (25.9)	
Cargo length at floor (second)	L211	889 (35.0)	
Front seatback to load floor height	H197	633 (24.9)	
Second seatback to load floor height	H198	496 (19.5)	
Cargo volume index [$m^3(ft.^3)$]	V3	1.09 (38.5)	
Hidden cargo volume index [$m^3(ft.^3)$]	V4	N/A	
(•) Cargo volume index-rear of 2-seat	V11	0.498 (17.6)	0.501 (17.7)

Aerodynamics*	
Wheel lip to ground, front	
Wheel lip to ground, rear	
Frontal area [$m^2(ft.^2)$]	
Drag coefficient (Cd)	

*EPA Loaded Vehicle Weight, Loading Conditions

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(•) Body Type

2-DOOR HATCHBACK	4-DOOR HATCHBACK 4-DOOR WAGON

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 2264 (89) line. (Front Location) X = 2535 (99.8) Y = 721 (28.4) Z = 486 (19.1) (Rear Location) X = 3300 (129.9) Y = 721 (28.4) Z = 479 (18.9) (Front Location) X = 2535 (99.8) Y = 721 (28.4) Z = 486 (19.1) (Rear Location) X = 3600 (141.7) Y = 721 (28.4) Z = 477 (18.8)
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*	721 (28.3)	
	L54*	2535 (99.8)	
	H81*	486 (19.1)	
	H161*	—	
	H163*	—	
Rear	W22*	721 (28.4)	721 (28.4)
	L55*	3300 (129.9)	3600 (141.7)
	H82*	479 (18.9)	477 (18.8)
	H162*	—	—
	H164*	—	—

*Reference—SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.

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METRIC (U.S. Customary)

			Vehicle Mass (weight)							
			CURB MASS, kg. (lb.)*			% PASS. MASS DISTRIBUTION				
						Pass. In Front		Pass. In Rear		
	Code	Model	Front	Rear	Total	Front	Rear	Front	Rear	ETWC**
	999/444 (1.9L CFI									
	Eng./4-Spd. Man.									
	with 2.85 Axle Ratio)									
	999/444	61D/HVE	619	395	1014	44	56	13	87	N/A
	(2-Door Pony)		(1364)	(871)	(2235)					
	999/444	61D/HVS	621	396	1017	44	56	13	87	2500
	(2-Door LX Model)		(1369)	(873)	(2242)					
	999/444 (1.9L CFI									
	Eng./4-Spd. Man.									
	with 3.52 Axle Ratio)									
	999/444	58D/HVS	630	419	1049	44	56	13	87	2625
	(4-Door LX Model)		(1389)	(924)	(2313)					
	999/445 (1.9L CFI									
	Eng./5-Spd. Man.									
	with 3.52/2.61 Axle Ratio)									
	999/445	74D/HVS	634	415	1049	44	56	13	87	2625
	(4-Door LX Wagon)		(1398)	(914)	(2312)					
	99J/445 (1.9L EFI									
	Eng./5-Spd. Man.									
	with 3.73/2.73 Axle Ratio)									
	99J/445	61D/HVC	674	434	1108	44	56	13	87	2750
	(2-Door GT Model)		(1486)	(956)	(2442)					
(•)	EXPORT (FEDERALIZED)									
	999/444 (1.9L CFI									
	Eng./4-Spd. Man.									
	with 3.52 Axle Ratio)									
(•)	999/444	58D/HVS	631	411	1042	44	56	13	87	N/A
	(4-Door LX Model)		(1390)	(905)	(2295)					
(•)	999/444	74D/HVS	633	410	1043	44	56	13	87	N/A
	(4-Door LX Wagon)		(1396)	(904)	(2300)					

SHIPPING MASS (weight) = Curb Weight Less Kg. (lbs.) 40 (88) w/2.85 axle ratio; 44 (97) w/all other axle ratios

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

**ETWC — Equivalent Test Weight Class — U.S. Environmental Protection Agency emission certifications are based on the ETWC's shown.
NA — Not Applicable — applies to model/series combinations not requiring testing.

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METRIC (U.S. Customary)

		Optional Equipment Differential Mass (weight)*			
		MASS, kg. (lb.)			Remarks
Code	Equipment	Front	Rear	Total	Restrictions, Requirements
Powertrain:					
432	1.9L CFI Engine/4-Speed	−3.6	0.4	−3.2	Available w/Pony & 2 Dr. LX Models;
	Man. with 3.52 Axle Ratio	(−8)	(1)	(−7)	Std. w/4-Dr. LX Hatchback
Transaxles:					
445	5-Speed Manual (MTX III)	4.1	6.4	10.5	Available All LX Models
	w/1.9L CFI Engine	(9)	(14)	(23)	
440	3-Speed Automatic	23.1	−0.4	22.7	Available All Models Exc. GT
		(51)	(−1)	(50)	
Wheels:					
65M	Polycast/Steel	4.5	4.1	8.6	
		(10)	(9)	(19)	
655	Wheel Cover, Luxury	0.45	0.45	0.9	
		(1)	(1)	(2)	
Miscellaneous Options:					
(●) 572	Air Conditioning, Manual	19.5	0	19.5	Incl. 80 Amp. Alt., Low Coolant
		(43)	(0)	(43)	Warn. Light & 11.5 Gal. Fuel Tk.
					w/Wgn.
594	Armrest, Front Center	1.8	1.4	3.2	
	Folding	(4)	(3)	(7)	
631	Battery, Heavy Duty	2.3	−0.45	1.8	
		(5)	(−1)	(4)	
184	Console, Lower w/Graphic	0.9	0.9	1.8	Std. w/GT
	Systems Monitor	(2)	(2)	(4)	
945	Console, Overhead w/Electronic	0.45	0.45	0.9	Available All LX Models;
	Electronic Digital Clock	(1)	(1)	(2)	Std. w/GT
57Q	Defroster, Rear Window	0.45	0	0.45	
		(1)	(0)	(1)	
548	Luggage Rack, Deluxe	0.9	4.5	5.4	Available Wagon Only
		(2)	(10)	(12)	
628	Mirrors, Dual Electric	0.9	0.45	1.35	N/A w/Pony; Std. w/GT
		(2)	(1)	(3)	
771	Moldings, Wide Vinyl	1.35	0.9	2.25	N/A Pony
	Bodyside	(3)	(2)	(5)	

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

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METRIC (U.S. Customary)

		Optional Equipment Differential Mass (weight)*			
		MASS, kg. (lb.)			Remarks Restrictions, Requirements
Code	Equipment	Front	Rear	Total	
(•)	Miscellaneous Options: (Cont'd)				
52H	Power Steering	8.2	0	8.2	
		(18)	(0)	(18)	
58Y	Radio Credit Option	−2.3	−0.9	−3.2	
		(−5)	(−2)	(−7)	
58F	Radio, Electronic AM/FM	0.9	0.45	1.35	Available w/Pony & LX Models
	Stereo	(2)	(1)	(3)	
58H	Radio, Electronic AM/FM	1.35	0.45	1.8	Available w/All Models
	Stereo w/Cassette	(3)	(1)	(4)	
913	Sound System, Premium	1.4	0.9	2.3	Available w/LX Models
		(3)	(2)	(5)	

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