

AMA Specifications—Passenger Car

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown below. This uniform specification form was developed by the automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

MANUFACTURER Ford Motor Company	CAR NAME Comet, Montego & Cyclone	
MAILING ADDRESS P. O. Box 2053 — Dearborn, Michigan	MODEL YEAR 1968	ISSUED: 10/13/67 REVISED (e)

NOTES:

- The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
- UNLESS OTHERWISE INDICATED:
 - Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - Nominal design dimensions are used throughout these specifications.

TABLE OF CONTENTS

Car & Body Dimensions	1, 2	Drive Units	14	Suspensions	21
Engine — Mechanical	4	Brakes	18, 19	Weights	24
Electrical	12	Steering	20	Index	27

BODY — TYPES AND STYLE NAMES —

Body type, number of passenger & style names; use manufacturer's code for series & body style.

	Body Code	Base Engine
Comet Sports Coupe: 2-Door Hardtop	65-A	200-Six
Montego Series: 4-Door Sedan 2-Door Hardtop	54-B 65-B	200-Six
Montego MX Series: 4-Door Sedan 2-Door Hardtop Convertible Station Wagon	54-D 65-D 76-D 71-C	200-Six
Cyclone Series: 2-Door Hardtop (Formal) 2-Door Hardtop (Fastback) 2-Door Hardtop (Formal) G.T. 2-Door Hardtop (Fastback) G.T.	65-F 63-F 65-J 63-J	302-V8
Montego MX Brougham Series: 4-Door Sedan 2-Door Hardtop	54-C 65-C	302-V8

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)

Montego
Cyclone

CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only and are shown with vehicle load of two passengers in front and three in rear, except where otherwise noted.

MODEL	SAE Ref. No.	54-B-C-D	63-A	65-A-B-C D-F-J	76-D	71-C
-------	--------------	----------	------	-------------------	------	------

WIDTH

Track - Front	W101	58.83	X	X	X	X
Track - Rear	W102	58.53	X	X	X	X
Maximum overall car width	W103	76.0	X	X	X	X
Body width at No. 2 pillar	W117	74.1	73.9	74.1	73.9	73.0

LENGTH

Body "O" to front of dash	L 30					
Wheelbase	L101	116.0	X	X	X	113.0
Overall car length	L103	206.1	203.1	206.1	203.1	203.9
Overhang - front	L104	35.9	X	X	X	X
Overhang - rear	L105	54.2	X	X	X	55.1
Body upper structure length	L123	102.5	110.9	102.9	101.5	128.8
Body "O" line to $\bar{C}$ of rear wheel	L127	99.9	X	X	X	96.9
Body "O" line to w/s cowl point	L130	9.7	X	X	X	X

HEIGHT

Overall height	H101	55.0	53.5	53.5	54.5	56.0
Cowl height	H114	38.0	37.0	37.0	37.0	38.0
Deck height	H138	38.0	41.0	37.5	38.0	38.0
Rocker panel - front	To ground	8.0	7.5	7.5	7.5	8.5
	From front wheel $\bar{C}$					
Rocker panel - rear	To ground	7.5	7.0	7.0	7.0	8.0
	From rear wheel $\bar{C}$					
Windshield slope angle	H122	51.5°	54.0°	54.0°	54.0°	54.0°

GROUND CLEARANCE

Bumper to ground - front	H102	12.0	11.5	11.5	11.5	12.0
Bumper to ground - rear	H104	12.0	11.5	11.5	11.5	10.5
Angle of approach	H106	21.2°	20.3°	20.3°	20.3°	22.0°
Angle of departure	H107	14.7°	14.1°	14.1°	14.1°	11.0°
Ramp breakover angle	H147	10.7°	10.5°	10.5°	10.6°	11.6°
Min. running clearance (Specify)	H156	5.3	5	5	5.3	5.8

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)
Montego
Cyclone

CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions
 (All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	54-B-C-D	63-A	65-A-B-C D-F-J	76-D	71-C
FRONT COMPARTMENT						
Effective head room	H61	38.5	37.5	37.5	38.5	38.5
Max. eff. leg room — accelerator	L34	42.5	42.5	42.5	42.0	42.0
H Point to Heel point	H30	9.0	9.0	9.0	9.0	9.0
H Point travel	L17	5.0	X	X	X	X
Shoulder room	W 3	58.0	57.5	57.5	57.5	57.5
Hip room	W 5	59.5	59.0	59.0	59.0	59.0
Upper body opening to ground	H50	50.0	48.5	49.0	49.5	49.5

REAR COMPARTMENT

H Point couple distance	L50	33.5	29.0	30.0	30.5	31.5
Effective head room	H63	37.5	36.0	36.5	37.0	39.0
Min. effective leg room	L51	36.0	33.0	34.0	33.5	34.5
H Point to Heel point	H31	11.0	10.5	10.5	11.5	11.5
Min. knee room	L48	4.5	.8	2.5	1.5	2.5
Rear Compartment room	L 3	27.5	23.5	25.5	25.0	27.0
Shoulder room	W 4	58.0	56.5	56.5	48.0	57.5
Hip room	W 6	59.5	58.5	58.5	49.0	58.8
Upper body opening to ground	H51					

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	18.0	17.0	18.0	12.1	
Liftover height	H195	22.4				
Position of spare tire storage				Rear Trunk		
Method of holding lid open				Torsion Arm		

STATION WAGON — THIRD SEAT

Shoulder Room	W85		46.0
Hip room	W86		35.5
Effective leg room	L86		—
Effective head room	H86		37.0
Seat facing direction			Rear

STATION WAGON — CARGO SPACE

Cargo length at floor — front seat	L202		89.0
Cargo length at belt — front seat	L204		77.5
Cargo width — wheelbase	W201		42.5
Opening width at belt	W204		49.1
Maximum cargo height	H201		33.0
Rear opening height	H202		29.0
Cargo volume index (cu. ft.) W4 x L204 x H201 1/28	V2	Back of Front Seat	85.0 cu. ft. 48.0 cu. ft.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)
Montego
Cyclone

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY See Front Page	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)		
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP RPM	Torque RPM		Std.	Option	Locking
Sedan and Hardtop	200	1V	8.8:1	115 @ 3800	190 @ 2200	Manual 3-Speed Cruise-O-Matic	3.20 2.83	3.00 (a)3.00, 3.20	3.00, 3.25 (a)3.00, 3.25
Convertible						Manual 3-Speed Cruise-O-Matic	3.25 3.25	3.00	3.25 3.25
Station Wagon						Manual 3-Speed Cruise-O-Matic	3.25 3.25		3.25 3.25
Sedan and Hardtop	302	2V & 4V	9.0:1 10.0:1	210 @ 4600 230 @ 4800	300 @ 2600 310 @ 2800	Manual 3-Speed Manual 4-Speed Cruise-O-Matic	(b)2.79 3.00 (b)2.79	(a)3.00, 3.25 (a)3.00	3.00, 3.25 3.00, 3.25 3.00
Convertible						Manual 3-Speed Manual 4-Speed Cruise-O-Matic	(b)2.79 3.00 (b)2.79	(a)3.00 3.25 (a)3.00	3.00, 3.25 3.00, 3.25 3.00
Station Wagon						Manual 3-Speed Cruise-O-Matic	3.00 3.00	3.25 —	3.00, 3.25 3.00
Sedan-Hardtop and Convertible	390	2V 4V	9.5:1 10.5:1	265 @ 4400 335 @ 4800	390 @ 2600 427 @ 3200	Manual 3-Speed Manual 4-Speed Cruise-O-Matic	3.00 3.00 2.75	3.25 3.25 3.00, 3.25	3.00, 3.25 3.00, 3.25 3.00, 3.25
Station Wagon		2V	Same As Above			Manual 3-Speed Cruise-O-Matic	3.00 3.00	3.25 3.25	3.00 3.00
Hardtop- Model 63H, 65H	390	4V GT	10.5:1	335 @ 4800	427 @ 3200	Manual 3-Speed Manual 4-Speed Cruise-O-Matic	3.25 3.25 3.25	3.00 3.00 3.00	3.00, 3.25 3.00, 3.25 3.00, 3.25
Hardtop*	427	4V	10.9:1	390 @ 5600	460 @ 3200	Cruise-O-Matic	3.50	—	3.60

(a) Minimum ratio with A/C.

(b) 3.00 standard — 2.79 opt. for 302-4V.

* Except Brougham.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED ^(*)Montego
CycloneMODEL 200-Six 302-2V, V8 302-4V, V8

ENGINE—GENERAL

Type, no. cyls., valve arr.		Six Cylinder, OHV	90° V8, OHV	
Bore and stroke (nominal)		3.68 x 3.13	4.00 x 3.00	
Piston displacement, cu. in.		200	302	
Bore spacing (C to C)		4.08	4.38	
No. system (front to rear)	L. Bank		5-6-7-8	
	R. Bank		1-2-3-4	
Firing order		1-5-3-6-2-4	1-5-4-2-6-3-7-8	
Compres. ratio (nominal)		8.8:1	9.0:1	10.0:1
Cylinder Head Material			Cast Iron	
Cylinder Block Material			Cast Iron	
Cyl. Sleeve-Wet, dry, none			None	
Number of mtg. points	Front		Two	
	Rear		One	
Engine installation angle			4°	
Taxable horsepower	$\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$	32.5	51.2	
Publishing max. bhp* @ eng. RPM		115 @ 3800	210 @ 4600	230 @ 4800
Publishing max. torque * (lb. ft. @ RPM)		190 @ 2200	300 @ 2600	310 @ 2800
Recommended fuel regular - premium		Regular or Premium		Premium

ENGINE—PISTONS

Material	Aluminum Alloy with Steel Struts		
Description and finish	Autothermic Type, Slipper Skirt, Tin Plated, Cam Ground		
Weight (piston only) oz.	17.1	21.15	
Clearance (limits)	Top land	.022-.028	.030-.041
	Skirt Top @	.0014-.0020	.0018-.0026
	Bottom		
Ring groove depth	No. 1 ring	.193-.200	.202-.209
	No. 2 ring	.193-.200	.202-.209
	No. 3 ring	.193-.200	.184-.191
	No. 4 ring	—	

* Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

@ At centerline of pin hole.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED ^(*)Montego
CycloneMODEL 390-2V, V8 390-4V, V8 427-4V, V8

ENGINE—GENERAL

Type, no. cyls., valve arr.		V8, OHV		
Bore and stroke (nominal)		4.05 x 3.78		4.23 x 3.78
Piston displacement, cu. in.		390		427
Bore spacing (C to C)		4.63		4.63
No. system (front to rear)	L. Bank	5-6-7-8		
	R. Bank	1-2-3-4		
Firing order		1-5-4-2-6-3-7-8		
Compres. ratio (nominal)		9.5:1	10.5:1	10.9:1
Cylinder Head Material		Cast Iron		
Cylinder Block Material		Cast Iron		
Cyl. Sleeve-Wet, dry, none		None		
Number of mtg. points	Front	Two		
	Rear	One		
Engine installation angle		4°		
Taxable horsepower	$\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$	52.49	52.49	57.3
Publishing max. bhp* @ eng. RPM		265 @ 4400	335 @ 4800	390 @ 5600
Publishing max. torque* (lb. ft. @ RPM)		390 @ 2600	427 @ 3200	460 @ 3200
Recommended fuel regular - premium		Regular or Premium	Premium	

ENGINE—PISTONS

Material	Aluminum Alloy, with Steel Struts		
Description and finish	Autothermic Type, Slipper Skirt, Tin Plated, Cam Ground		
Weight (piston only) oz.	23.1		23.4
Clearance (limits)	Top land	.036-.044	.030-.037
	Skirt Top (a)	.0015-.0023	.0030-.0038
	Bottom		
Ring groove depth	No. 1 ring	.204-.211	.2005-.2035
	No. 2 ring	.204-.211	.2005-.2035
	No. 3 ring	.1855-.1925	.1720-.1790
	No. 4 ring	—	—

* Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

(a) At centerline of pin hole.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (a)Montego
CycloneMODEL 200 Six 302-2V, V8 302-4V, V8

ENGINE — RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression	
	No. 2, oil or comp.	Compression	
	No. 3, oil or comp.	Oil	
	No. 4, oil or comp.	None	
Compression	Description - material, coating, etc.	#1 Cast Iron Alloy, Straight Face, Inside Beveled, Molybdenum Filled Groove. (a) #2 Cast Iron Alloy, Straight Face, Scraper Groove, Phosphate Coated.	
	Width	#1. .0774-.0781	#2. .077-.078
	Gap	.010-.020	
Oil	Description - material, coating, etc.	Multi-piece; two rails and one expander Rails: Steel, Chrome Plated, Oxide Coated Spacer Expander: Blue Steel	
	Width	.1875	
	Gap (Rails)	.015-.055	.015-.069
Expanders		Integral with Oil Ring Assembly	

ENGINE — PISTON PINS

Material	SAE-5015 Alloy Steel		
Length	3.025	3.025	
Diameter	.912	.912	
Type	Locked in rod, in piston, floating, etc.	Pressed Fit in Rod	
	Bush- ing	None	
	In rod or piston Material		
Clearance	In piston	.0003-.0005	.0002-.0004
	In rod	Press Fit	
Direction & amount offset in piston		Right .0625	

ENGINE — CONNECTING RODS

Material	Forged Steel — SAE 1041		
Weight (oz.)	18.65	19.85	
Length (center to center)	4.715	5.090	
Bearing	Material & Type	(b)	Plated Copper-Lead Alloy on Steel Back Replaceable Inserts
	Overall length	.800-.810	.721
	Clearance (limits)	.0008-.0024	.0008-.0026
	End play	.004-.011	.010-.020 (Two Rods)

(a) #1 Cast Iron Alloy, Barrel Face, Molybdenum Filled Groove — 302 Engines.

(b) Unplated Copper-Lead Alloy on Steel Back Replaceable Inserts.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (a)Montego
CycloneMODEL 390-2V 390-4V 427-4V

ENGINE — RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression	
	No. 2, oil or comp.	Compression	
	No. 3, oil or comp.	Oil	
	No. 4, oil or comp.	None	
Compression	Description - material, coating, etc.	#1 Cast Iron Alloy, Inside Bevel, Reverse, Twist- Taper Face, Chrome Plated — #2 Straight Faced, Scraper Groove-Phos. Coated (a)	
	Width	#1 and #2 .077-.078	#1 & #2 .0619-.0626
	Gap	#1 .010-.031 #2 .010-.020 (b)	
Oil	Description - material, coating, etc.	Multi-piece: Two Rails and One Spacer Expander Rails: Steel, Chrome Plated, Oxide Coated Spacer Expander: Stainless Steel	
	Width	.1875	.125
	Gap	.015-.066 (Rail Only)	.015-.055 (Rail Only)
Expanders		Integral with Oil Ring Assy.	

ENGINE — PISTON PINS

Material		Alloy Steel — SAE 5015	
Length		3.163	3.163
Diameter		.9752	
Type	Locked in rod, in piston, floating, etc.	Full Floating Tubular	
	Bush- ing	In Rod	
	Material	Bronze	
Clearance	In piston	.0001-.0003	.0001-.0003
	In rod	.0001-.0005	.0001-.0005
Direction & amount offset in piston		Right-.0625	None

ENGINE — CONNECTING RODS

Material		Forged Steel — SAE 1041	
Weight (oz.)		27.10	29.6
Length (center to center)		6.488	6.488
Bearing	Material & Type	Plated Copper-Lead Alloy on Steel Back, Replaceable Inserts	
	Overall length	.741	.741
	Clearance (limits)	.0008-.0026	.0008-.0032
	End play	.010-.020 (Two Rods)	.018-.028 (Two Rods)

(a) Cast Iron Alloy, Barrel Face, Chrome Plated — #1 & #2.

(b) #1 — .018-.028, #2 — .015-.025.

AMA Specifications—Passenger Car

MAKE OF CAR	Comet	MODEL YEAR	1968	DATE ISSUED	10/13/67	REVISED (a)
	Montego					
	Cyclone					
MODEL		200 Six	302-2V, V8	302-4V, V8		

ENGINE – CRANKSHAFT

Material		Cast Iron Alloy		
Vibration damper type		Rubber Floated Inertia Member		
End thrust taken by bearing (No.)		Five	Three	
Crankshaft end play		.004-.008	.004-.008	
Main bearing	Material & type	(a)	Steel Backed, Plated Copper - Lead Alloy, Replaceable Inserts	
	Clearance	.0005-.0022	.0005-.0024 (b)	
	Journal dia. and bearing overall length	No. 1	2.248 x 1.015	2.2486 x .885
		No. 2	2.248 x 1.015	2.2486 x .885
		No. 3	2.248 x 1.015	2.2486 x 1.132
		No. 4	2.248 x 1.015	2.2486 x .885
		No. 5	2.248 x 1.270	2.2486 x .885
		No. 6	2.248 x 1.015	—
		No. 7	2.248 x 1.015	—
	Dir. & amt. cyl. offset	None	Right Bank Lead .84	
Crankpin journal diameter		2.1232	2.1232	

ENGINE – CAMSHAFT

Location		In Block		
Material		Special Alloy Iron, Induction Hardened, Phosphate Coated		
Bearings	Material	Steel-Backed, SAE-15 Lead Base Babbitt		
	Number	Four	Five	
Type of Drive	Gear or chain		Chain	
	Crankshaft gear or sprocket material		Sintered Iron or Steel	
	Camshaft gear or sprocket material		Cast Iron	Aluminum Body with Molded Nylon Teeth
	Timing chain	No. of links	.50	58
		Width	.762 (c)	.637
		Pitch	.375	.375

ENGINE – VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)	Standard		
Valve rotator, type (intake, exhaust)	Ford Free Turn, Intake and Exhaust	None	
Rocker ratio	1.50:1	1.60:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero	
	Exhaust	Zero	

(Continued)

- (a) Micro-Babbitt on Steel Back.
 (b) #1 Main Bearing — .0001-.0020.
 (c) .875 - Alternate.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)Montego
CycloneMODEL 390-2V, V8 390-4V, V8 427-4V, V8

ENGINE - CRANKSHAFT

Material		Molded Cast Iron Alloy	
Vibration damper type		Rubber Floated Inertia Member	
End thrust taken by bearing(No.)		Three	
Crankshaft end play		.004-.010	
Main bearing	Material & type		Plated Copper-Lead Alloy on Steel Back, Replaceable Inserts
	Clearance		.0005-.0025
	Journal dia. and bearing overall length	No. 1	2.7488 x .907
		No. 2	2.7488 x .907
		No. 3	2.7488 x 1.119
		No. 4	2.7488 x .907
		No. 5	2.7488 x .907
		No. 6	—
		No. 7	—
Dir. & amt. cyl. offset		None	
Crankpin journal diameter		2.4384	

ENGINE - CAMSHAFT

Location		In Block	
Material		Molded Special Alloy Iron, Induction Hardened, Phosphate Coated	
Bearings	Material	Steel Backed SAE-15 Lead Base Babbitt	
	Number	Five	
Type of Drive	Gear or chain		Chain
	Crankshaft gear or sprocket material		Sintered Iron
	Camshaft gear or sprocket material		Aluminum Body with Molded Nylon Teeth
	Timing chain	No. of links	48
		Width	.86
		Pitch	.50

ENGINE - VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Standard	
Valve rotator, type (intake, exhaust)		Ford Free Turn-Intake and Exhaust	
Rocker ratio		1.73:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero	
	Exhaust	Zero	

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)

Montego
Cyclone

MODEL 200 Six 302-2V, V8 302-4V, V8

ENGINE - VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	9	15
		Closes (°ABC)	51	61
		Duration - deg.	240	256
	Exhaust	Opens (°BBC)	42	55
		Closes (°ATC)	18	19
		Duration - deg.	240	254
	Valve opening overlap		270	340
	Material		SAE-1047 Steel-Aluminized Head - Chrome Plated Stem & Foot	
	Overall length		4.26	4.873
	Actual overall head dia.		1.642-1.657	1.773-1.788
Intake	Angle of seat & face		Seat 44° 30" - 45°; Face 45° 30" - 45° 45"	
	Seat insert material		None	
	Stem diameter		.3100-.3107	.3416-.3423
	Stem to guide clearance		.0008-.0025	.0010-.0027
	Lift (w zero lash)		.348	.426
	Outer spring press. & length	Valve closed (lb. @ in.)	54 @ 1.59	71-79 @ 1.66
		Valve open (lb. @ in.)	150 @ 1.22	171-189 @ 1.23
	Inner spring press. & length	Valve closed (lb. @ in.)	None	
		Valve open (lb. @ in.)	None	
Exhaust	Material		Cast Austenitic Steel-Aluminized Head - Chrome Plated Stem & Foot	
	Overall length		4.26	4.873
	Actual overall head dia.		1.381-1.396	1.442-1.457
	Angle of seat & face		Seat 44° 30" - 45°; Face 45° 30" - 45° 45"	
	Seat insert material		None	
	Stem diameter		.3098-.3105	.3416-.3423
	Stem to guide clearance		.0010-.0027	.0010-.0027
	Lift (w zero lash)		.348	.425
	Outer spring press. & length	Valve closed (lb. @ in.)	54 @ 1.59	71-79 @ 1.66
		Valve open (lb. @ in.)	150 @ 1.22	171-189 @ 1.23
	Inner spring press. & length	Valve closed (lb. @ in.)	None	
		Valve open (lb. @ in.)	None	

ENGINE - LUBRICATION SYSTEM

Type of lubrica- tion (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Oil Mist	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Splash	
	Cylinder walls	Pressure Stream	Splash

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED _____ REVISED (a) _____Montego
Cyclone

MODEL _____ 390-2V, V8 _____ 390-4V, V8 _____ 427-4V, V8

ENGINE - VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	13	18	18	
		Closes (°ABC)	63	72	72	
		Duration - deg.	256	270	270	
	Exhaust	Opens (°BBC)	63	82	82	
		Closes (°ATC)	23	28	28	
		Duration - deg.	266	290	290	
Valve opening overlap		36°	46°	46°		
Intake	Material		Special Alloy Steel-Aluminized Head — Chrome Plated Stem & Foot			
	Overall length		5.446		5.446	
	Actual overall head dia.		2.022-2.037		2.080-2.097	
	Angle of seat & face		Seat 44° 30"-45° Face 45° 30"-45° 45"		(a)	
	Seat insert material		None			
	Stem diameter		.3711-.3718			
	Stem to guide clearance		.0010-.0027			
	Lift (@ zero lash)		.427	.4809	.4809	
	Outer spring press. & length	Valve closed (lb.@ in.)	85-95 @ 1.82	80-90 @ 1.82		
		Valve open (lb.@ in.)	209-231 @ 1.38	254-281 @ 1.32		
	Inner spring press. & length	Valve closed (lb.@ in.)	None	None	Damper Only	
		Valve open (lb.@ in.)	None	None	Damper Only	
	Exhaust	Material		Cast Austenitic Steel, Aluminized Head (b)		21-4N Forged Steel (c)
		Overall length		5.426		5.426
Actual overall head dia.		1.551-1.566		1.645-1.660		
Angle of seat & face		Seat 44° 30'-45°; Face 45° 30"-45°		(a)		
Seat insert material		None				
Stem diameter		.3701-.3708				
Stem to guide clearance		.0010-.0027		.0020-.0037		
Lift (@ zero lash)		.430	.490	.490		
Outer spring press. & length		Valve closed (lb.@ in.)	85-95 @ 1.32	80-90 @ 1.82		
		Valve open (lb.@ in.)	209-231 @ 1.38	254-281 @ 1.32		
Inner spring press. & length		Valve closed (lb.@ in.)	None	None	Damper Only	
		Valve open (lb.@ in.)	None	None	Damper Only	

ENGINE - LUBRICATION SYSTEM

Type of lubrica- tion (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Oil Mist
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Splash
	Cylinder walls	Pressure Stream

(Continued)

(a) Seat 30° to 30°-30', Face 29° 15" to 29° 30"

(b) Chrome Plated Stem & Foot

(c) Chrome Plated Stem

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (a)
Montego
Cyclone

MODEL 200 Six 302-2V, V8 302-4V, V8

ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Gerotor	Rotor
Normal oil pressure (lb. engine rpm)	35-55 @ 2000	
Oil press. sending unit (elect. or mech.)	Electrical	
Type oil intake (floating, stationary)	Stationary Shrouded Screen in Sump	
Oil filter system (full flow, part., other)	Full Flow	
Filter replacement (element, complete)	Complete	
Capacity of oil case, less filter-refill (qt.)	3.5	4.0
Oil grade recommended (SAE viscosity and temperature range)	90°F and above	SAE 30 or 20W-40
	20°F to 90°F	SAE 20 or 20W or 10W-30
	-10°F to 20°F	SAE 5W-20 or 10W or 10W-30
	-10°F and below 0	SAE 5W-20
Engine Service Reqmt. (MM, MS, etc.)	MS	

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single	Single "Y" Type (a)
Muffler No. & type (reverse flow, straight thru, separate resonator)		One Reverse Flow	
Exhaust pipe dia. (O.D., wall thick.)	Branch	2.00 x .084-Laminated	1.88 x .084-Laminated (b)
	Main	2.00 x .075-Solid	2.00 x .075 (c)
Tail pipe dia. (O.D. & wall thickness)		1.88 x 0.60 Integral with Muffler (d)	

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Induction System
	Optional	—
Control Unit	Make and model	Ford, A/C or Chicago Screw
	Location	Rocker Cover
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum
	Control method (variable orifice, fixed orifice, other)	Variable Orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Carburetor Spacer and Carburetor Air Cleaner
	Air inlet (breather cap, carburetor air cleaner, other)	Carburetor Air Cleaner
	Flame arrestor (screen, check valve, other)	Emission Valve

(a) Convertible Dual

(b) 2.00 Diameter on Sedans & Hardtops

(c) 2.50" x .075" Sedan and Hardtops

(d) 2.25" Diameter on Sedans and Hardtops

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)

Montego
Cyclone

MODEL 390-2V, V8 390-4V, V8 427-4V, V8

ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Rotor		
Normal oil pressure (lb. engine rpm)	35-65 @ 2000		40-55 @ 2000
Oil press. sending unit (elect. or mech.)	Electrical		
Type oil intake (floating, stationary)	Stationary Shrouded Screen in Pump		
Oil filter system (full flow, part., other)	Full Flow		
Filter replacement (element, complete)	Complete		
Capacity of oil case, less filter-refill (qt.)	4.0	4.0	4.0
Oil grade recommended (SAE viscosity and temperature range)	90° and above SAE 20W-40 or SAE 30 20° to 90°F SAE 20-20W or SAE 10W-30 -10°F to 20°F SAE 5W-20, or 10W-30 or 10W Below -10°F SAE 5W-20		
Engine Service Reqmt. (MM, MS, etc.)	MS		

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single "Y" Type (a)	Dual (b)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, Reverse Flow	Dual (b)	Dual
Exhaust pipe dia. (O.D., wall thick.)	2.00 x .084 Laminated		2.25 x .075
Branch			
Main	2.50 x .075	2.25 x .075	
Tail pipe dia. (O.D. & wall thickness)	2.25 x .060	2.25 x .060	

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Induction System
	Optional	
Make and model	Ford, A/C or Chicago Screw	
Location	Rocker Cover	
Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum	
Control method (variable orifice, fixed orifice, other)	Variable Orifice	
Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Carburetor Air Cleaner and Intake Manifold	
Air inlet (breather cap, carburetor air cleaner, other)	Carburetor Air Cleaner	
Flame arrestor (screen, check valve, other)	Emission Valve	

(a) Convertible Dual

(b) Except Station Wagons

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)
Montego
Cyclone

MODEL 200 Six 302-2V, V8 302-4V, V8

ENGINE — EXHAUST EMISSION CONTROL

Manual Transmission

Type (Air injection, engine modifications, other)			Air Injection — Carburetor and Distributor Modifications		
Air Injection Pump	Type		Positive Displacement Vane Pump		
	Displacement		19.3 Cu.In./Rev.		
	Drive ratio		1.25:1	1.30:1	1.25:1 with A/C
	Drive type		V-Belt and Pulley		
	Relief valve (type)		Pressure Sensitive Poppet		
	Filter (describe)		Centrifugal		
Air Injection System	Air distribution (head, manifold, etc.)		Manifold		
	Point of entry		At Exhaust Port		
	Injection tube I.D.		.260		
	Check valve type		Spring Loaded Plate-Poppet		
	Backfire protection (type)		By-Pass Valve		
Carburetor	Make		Autolite		
	Model -9510-		C80F-A	C8AF-AK	C8ZF-C
	Barrel size		1.437		
	#	Drive			
	Idle speed	Neutral	700-725	625-650	
	Idle F/A mixture		.093 @ 8 CFM	.084 @ 10.5 CFM	.086 @ 11 CFM
Distributor	Aux. Adv. Systems (type)		Centrifugal & Vacuum		
	Make		Autolite		
	Model -12127-		C8DF-12127-C	C8AF-12127-E	C8ZF-A
	Cent'fugal adv. in crank degrees @ eng. rpm	Start (rpm)	0° @ 850	0° @ 950	0° @ 800
		Intermed. points deg. @ rpm	19°-15° @ 1150	14.5° @ 1550	14.4° @ 1480
		Max. deg. @ rpm	24°-19° @ 4000	28°-20° @ 4000	14°-19° @ 4000
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg) Interm. points deg. @ in. Hg Max. deg. @ in. Hg *Spark Retard	28° @ 4000	28° @ 4000	19° @ 4000
			0° @ 1.0"	0° @ 1.0"	0° @ 1"
			0° @ 6.0"	0°-6° @ 10.0"	0°-6° @ 6"
			17°-11° @ 9.0"	17°-11° @ 15.0"	10°-16° @ 10"
			25°-20° @ 14.5"	22°-17° @ 20.0"	16°-21° @ 15"
	Vacuum Source		Carburetor Air Stream and Intake Manifold		
Timing - Crank degrees @ rpm		4° to 8° BTC @ Idle	3° to 9° BTC @ Idle		
Cooling System (describe changes)		302-2V, V8			
Exhaust System (describe changes)		4V 6° BTC			

* Retard from base initial setting at idle.

With lights off.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)
Montego
Cyclone 390-2V, V8 390-4V, 8V (A)

MODEL

ENGINE—EXHAUST EMISSION CONTROL Manual Transmission

Type (Air injection, engine modifications, other)			Air Injection-Carburetor and Distributor Modifications		
Air Injection Pump	Type	Positive Displacement Vane Pump			
	Displacement	1.25:1 1.33:1 with A/C	1.06:1 1.04:1 with A/C		
	Drive ratio				
	Drive type	V-Belt and Pulley			
	Relief valve (type)	Pressure Sensitive-Poppet			
	Filter (describe)	Centrifugal			
Air Injection System	Air distribution (head, manifold, etc.)	Air Manifold			
	Point of entry	At Exhaust Port			
	Injection tube I.D.	.260			
	Check valve type	Spring Load Plate Poppet			
	Backfire protection (type)	By-Pass Valve			
Carburetor	Make	Autolite	Holley		
	Model -9510-	C8AF-M	C8OF-C (B)		
	Barrel size	1.687	1.562		
	Idle speed	Drive			
		Neutral	625-650	625-650 (C)	
	Idle F/A mixture	.093 @ 11 CFM	.082 @ 16 CFM		
Distributor	Aux. Adv. Systems (type)	Centrifugal & Vacuum			
	Make	Autolite			
	Model	C8AF-12127-M	C8OF-12127-D		
	Cent'fugal adv. in crank degrees @ eng. rpm	Start (rpm)	0° @ 800	0° @ 850	
		Intermed. points deg. @ rpm	6.5° - 2.5° @ 1100	19° @ 1460	
			27.5° - 16.5° @ 4000	24° - 29° @ 4000	
		Max. deg. @ rpm	22° @ 4000	29° @ 4000	
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg) Intermed. points deg. @ in. Hg Max. deg. @ in. Hg (***) Spark Retard	0° @ 1"	0° @ 1.0"	
			0° - 6° @ 9.0"	8° - 6° @ 8.6"	
			10° - 16° @ 13.0"	8.5° - 14.2° @ 12"	
			20° - 25° @ 21.0"	14° - 19° @ 15"	
25° Max.			19° Max.		
12° - 10°			5° - 7°		
Vacuum Source	Carburetor Air Stream & Intake Manifold				
Timing - Crank degrees @ rpm		4° to 8° BTC @ Idle			
Cooling System (describe changes)					
Exhaust System (describe changes)					

- (A) Standard and Auto. Trans.
 (**) Retard from Base Initial Setting of Idle.
 (B) C8OF-D — Auto. Trans.
 (C) 525-575 RPM in Drive for Auto. Trans.
 # With Lights Off.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)MODEL Montego
Cyclone 200 CID 302-2V, V8 302-4V, V8 390-2V

ENGINE—EXHAUST EMISSION CONTROL

Automatic Transmission

Type (Air injection, engine modifications, other)		Engine-Carburetor-Distributor Modifications*				
Air Injection Pump	Type					
	Displacement					
	Drive ratio					
	Drive type					
	Relief valve (type)					
Air Injection System	Filter (describe)	None				
	Air distribution (head, manifold, etc.)					
	Point of entry					
	Injection tube I.D.					
	Check valve type					
Carburetor	Backfire protection (type)					
	Make	Autolite				
	Model	C8OF-B	C8ZF-6	C8ZF-B	C8OF-U	
	Barrel size	1.437	1.437	1.437-PRI; 1.562-sec	1.687	
	Idle #	550-575	525-575	525-575	525-575	
Distributor	Drive					
	Neutral					
	Idle F/A mixture	.080 @ 9 CFM	.079 @ 12.5 CFM	.075 @ 9 CFM	.071 @ 13.7 CFM	
	Aux. Adv. Systems (type)	Centrifugal and Vacuum				
	Make	Autolite				
Distributor	Model	C8DF-D	C8OF-C	C8ZF-D	C8AF-N	
	Cent'fugal adv. in crank degrees @ eng. rpm	Start (rpm)	0° @ 950	0° @ 950	0° @ 1250	0° @ 1000
	Intermed. points deg. @ rpm	9.5°-5.5° @ 1500	10°-14° @ 1520	11.5°-16° @ 2340	12.5°-8.5° @ 1500	
	Max. deg. @ rpm	28°-24° @ 3800	20°-25° @ 4000	14°-19° @ 4000	24°-19° @ 4000	
	Start (in Hg)	0° @ 1.0"	0° @ 1.0"	0° @ 1"	0° @ 1.0"	
	Intermed. points deg. @ in. Hg	0°-6° @ 5.0"	0°-6° @ 7.7"	0°-5.5° @ 9"	0°-8° @ 7.6"	
	Max. deg. @ in. Hg	14°-8° @ 8.0"	10°-16° @ 14.0"	8°-13.6° @ 13"	10.5°-16.8° @ 11"	
	Max. deg. @ in. Hg	19°-14° @ 11.0"	18°-23° @ 23"	13°-18° @ 17"	23°-18° @ 16.0"	
	Spark Retard	19° max.	23° max.	18° max.	23" max.	
	Vacuum Source	12-10°	12-10°	None	None	
Carburetor Air Stream and Intake Manifold						
Timing - Crank degrees @ rpm	4° to 8° BTC @ Idle 30° to 90° BTC @ Idle 4° to 8° BTC @ Idle					
Cooling System (describe changes)	None					
Exhaust System (describe changes)	None					

* Ford improved combustion system (IMCO).

** Retard from base initial setting at idle.

With lights off.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (a)
Montego
Cyclone Automatic Transmission
 MODEL 427-4V

ENGINE—EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Air Injection-Carburetor and Distributor Modifications		
Air Injection Pump	Type	Positive Displacement Vane Type		
	Displacement	19.3 Cu. In./Rev.		
	Drive ratio	1.06:1, 1.04:1 with A/C		
	Drive type	V-Belt and Pulley		
	Relief valve (type)	Pressure Sensitive Poppet		
	Filter (describe)	Centrifugal		
Air Injection System	Air distribution (head, manifold, etc.)	Air Manifold		
	Point of entry	Exhaust Ports		
	Injection tube I.D.	.260		
	Check valve type	Spring Loaded Plate-Poppet		
	Backfire protection (type)	By-Pass Valve		
Carburetor	Make	Holley		
	Model	-9510-		
	Barrel size	C8AF-AD		
	# Idle speed	Drive	1.562	
		Neutral	575-625	
	Idle R/A mixture			
Distributor	Aux. Adv. Systems (type)	Centrifugal and Vacuum		
	Make	Autolite		
	Model	C7OF-12127-F		
	Cent'gal adv. in crank degrees @ eng. rpm	Start (rpm)	0° @ 8.50	
		Intermed. points deg. @ rpm	17° - 18.8° @ 1450	
			26° - 29° @ 4000	
		Max. deg. @ rpm	29° @ 4000	
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg) Intermed. points deg. @ in. Hg Max. deg. @ in.	0° @ 1.0"	
			0° - 8° @ 9.5"	
			10.5° - 16.5° @ 1.3"	
16° - 22° @ 16.4"				
22° Max.				
Vacuum Source		Carburetor Air Stream		
Timing - Crank degrees @ rpm		4° to 8° BTC @ Idle		
Cooling System (describe changes)		None		
Exhaust System (describe changes)		None		

With Lights Off.

AMA Specifications—Passenger Car

MAKE OF CAR	Comet	MODEL YEAR	1968	DATE ISSUED	10/13/67	REVISED (a)
	Montego					
	Cyclone					
MODEL		200 CID	302-2V	390-2V	390-4V	427-4V

ENGINE - FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor			
Fuel Tank	Refill capacity (U.S. gals.)	20 Gallons — Passenger — 20 Gallons S/W			
	Filler location	Rear Fill — Passenger Side Fill S/W			
Fuel Pump	Type (elec. or mech.)	Mechanical			
	Locations	Left Side — Front			
	Pressure range	4-6 PSI		4.5-6.5 PSI	
Vacuum booster (std., optional, none)		None			
Fuel Filter	Type	#1 Nylon & Monel Cloth (Disposable) #2 Saran Plastic			
	Locations	#1 Fuel Line #2 In Fuel Tank			
Carburetor	Choke type	Automatic			
	Intake manifold heat control (exhaust or water)	Hot & Cold Air Cleaner System			Exhaust
	Air cleaner type	Standard	Dry — Replaceable Element		
		Optional	None		
	Idle speed (spec. neutral or drive) * (a)	Manual	525-575	600-650	—
		Automatic	500-550	525-575	Not Avail
		Idle A/F mix.	.110@5CFM	(b).097@8.5CFM	(c).105@11CFM

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
Non-Emission						
All	200	Manual	Autolite	(9510) C8OF-E	One-1V	1.437
All	200	Automatic	Autolite	C8OF-F		
All	302	Manual	Autolite	C8AF-AF	One-2V	1.437
All	302	Automatic	Autolite	C8OF-S	One-2V	1.437
All	302	Manual	Autolite	C8ZF-A	One-4V	1.437-P;1.562-S
All	302	Automatic	Autolite	C8ZF-B	One-4V	1.437-P;1.562-S
All	390	Manual	Autolite	C8AF-AH	One-2V	1.687
All	390	Automatic	Autolite	C8OF-T	One-2V	1.687
All	390	Manual	Holley	C7OF-A	One-4V	
All	390	Automatic	Holley	C7OF-B	One-4V	1.562-P&S
Exhaust Emission						
All	200	Manual	Autolite	C8OF-A	One-1V	1.437
All	200	Automatic	Autolite	C8OF-B		
All	302	Manual	Autolite	C8AF-AK	One-2V	1.437
All	302	Automatic	Autolite	C8ZF-G	One-2V	1.437
All	302	Manual	Autolite	C8ZF-C	One-4V	1.437-P;1.562-P
All	302	Automatic	Autolite	C8ZF-D	One-4V	1.437-P;1.562-P
All	390	Manual	Autolite	C8AF-M	One-2V	1.687
All	390	Automatic	Autolite	C8OF-U	One-2V	1.687
All	390	Manual	Holley	C8OF-C	One-4V	1.562-P&S
All	390	Automatic	Holley	C8OF-D	One-4V	1.562-P&S
All 63	427	Automatic	Holley	C8AF-AD	One-4V	1.562

(a) Non-Emission Information — See Pages 9, 9A, 9B & 9C for Emission Information
(b) Auto. — .095 @ 10 CFM
(c) Auto. — .097 @ 10.5 CFM

(a) Non-Emission Information — See Pages 9, 9A, 9B & 9C for Emission Information

(b) Auto. — .095 @ 10 CFM

(c) Auto. — .097 @ 10.5 CFM

* With lights off — manual transmission in neutral, automatic transmission in drive range

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (a)
Montego
Cyclone

MODEL 200-1V

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure		
Radiator cap relief valve pressure		12-15 PSI 14-17 PSI — Automatic Trans. with Exh. Emission Con. Sys		
Circulation thermostat	Type (choke, bypass)	Poppet Valve		
	Starts to open at (°F)	185° — 192°		
Water pump	Type (centrifugal, other)	Centrifugal		
	GPM @ 1000 pump rpm	8		
	Number of pumps	One		
	Drive (V-belt, other)	V-Belt		
	Bearing type	Double Row — Sealed Ball & Roller		
By-pass recirculation type (inter., ext.)		Internal		
Radiator core type (cellular, tube and fin, other)		Down Flow — Tube & Fin		
Cooling system capacity	With heater (qt.)	9.5		
	Without heater (qt.)	8.5		
	Opt. equipment-specify (qt.)	None		
Water jackets full length of cyl. (yes, no)		Yes		
Water all around cylinder (yes, no)		Yes		
Radiator hose	Lower	Number and type (molded, straight)	One, Molded	
		Inside diameter	1.25 Radiator 1.50 Water Pump	
	Upper	Number and type (molded, straight)	One, Molded	
		Inside diameter	1.25	
	By-pass	Number and type (molded, straight)	None	
		Inside diameter		
	Fan	Number of blades & spacing		
		Diameter		
Ratio-fan to crankshaft rev.				
Fan cutout type				
Bearing type				
* Drive belts (indicate belt used by letter)	Fan			
	Generator or alternator			
	Water Pump			
	Power Steering			
	Air Conditioning			

See Attached Sheet

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V											
Nominal length (SAE)											
Width											

AMA Specifications—Passenger Car

Page 11-A

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)

Montego
Cyclone

MODEL

ENGINE		200 CID							
RATIO — FAN TO CRANKSHAFT REV.		1.04:1	1.04:1	1.04:1	1.04:1	1.18:1	1.18:1	1.18:1	1.18:1
Fan	Number of Blades & Spacing	4- Uneven	4- Uneven	4- Uneven	4- Uneven	6- Uneven	6- Uneven	6- Uneven	6- Uneven
	Diameter	16.0	16.0	16.0	16.0	17.25	17.25	17.25	17.25
	Fan Cutout Type	None	None	None	None	Viscous	Viscous	Viscous	Viscous
Bearing Type		Double Row Bearing							
*Drive Belts (Indicate Belt used by Letter)	Fan	A	A	A-D	A-D	Two-C	Two-C	Two-C	Two-C
	Alternator	A	A	A	A	Two-C	Two-C	Two-C	Two-C
	Water Pump	A	A	A-D	A-D	Two-C	Two-C	Two-C	Two-C
	Power Steering		B		B		B		B
	Air Conditioning					Two-C	Two-C	Two-C	Two-C
	Crankshaft	A	A-B	A-D	A-B-D	Two-C	Two-C	Two-C	Two-C
	Air Injection Pump			D	D		E	E	E
#		1	2	5	6	3	4	7	8

7. A/C & Air Injection Pump
8. Power Steering, A/C & Air Injection Pump

4. Power Steering & A/C
5. Air Injection Pump
6. Power Steering & Air Injection Pump

#1. No Access.
2. Power Steering
3. Air Conditioning

*Drive Belt	A	B	C	D	E
Angle of "V"	36°	36°	36°	36°	36°
Nominal Length (SAE)	34.00	41.00	46.00	45.75	34.50
Width	15/32	15/32	15/32	15/32	3/8

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)
Montego
Cyclone

MODEL 302-2V & 4V

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure		
Radiator cap relief valve pressure	12-15 PSI		
Circulation	Type (choke, bypass)	Poppet Valve	
thermostat	Starts to open at (°F)	188° — 195°	
	Type (centrifugal, other)	Centrifugal	
Water pump	GPM @ 1000 pump rpm	18	
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
	Bearing type	Double Row — Sealed Ball & Roller	
By-pass recirculation type (inter., ext.)	External		
Radiator core type (cellular, tube and fin, other)	Down Flow, Tube & Fin		
Cooling system capacity	With heater (qt.)	15.0	
	Without heater (qt.)	14.0	
	Opt. equipment-specify (qt.)	None	
Water jackets full length of cyl. (yes, no)	Yes		
Water all around cylinder (yes, no)	Yes		
Radiator hose	Lower	Number and type (molded, straight)	One, Molded
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	One, Molded
		Inside diameter	1.50
	By-pass	Number and type (molded, straight)	One, Molded
		Inside diameter	
Code Belt Arrangement		1 & 2	3
Fan	Number of blades & spacing	4 Uneven	5 Flex
	Diameter	17.5"	17.5"
	Ratio-fan to crankshaft rev.	0.95:1	1.04:1
	Fan cutout type	None	None
	Bearing type	Double Row Sealed Ball (Water Pump Bearing)	
* Drive belts (indicate belt used by letter)	Fan		
	Generator or alternator		
	Water Pump		
	Power Steering		
	Air Conditioning		

See Attached Sheet

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V											
Nominal length (SAE)											
Width											

(1) Standard Cooling (2) Extra Cooling (3) Selectaire A/C

AMA Specifications—Passenger Car

Page 11-C

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (6)
Montego
Cyclone

MODEL

302-2V									
ENGINE	RATIO - FAN TO CRANKSHAFT REV.	.95:1	.95:1	.95:1	.95:1	.95:1	1.04:1	1.04:1	1.04:1
Fan		A	A-B	F-G	B-F-G	Two-C	C-E	Two-F	E-F
Alternator		A	A	F	F	Two-C	C	Two-F	F
Water Pump		A	A-B	F-G	B-F-G	Two-C	C-E	Two-F	E-F
Power Steering			B		B		E		E
Air Conditioning						D	D	H	H
Crankshaft		A	A-B	F-G	B-F-G	Two-C	C-D-E	Two-F	E-F-H
Fixed Idler						D	D	H	H
Adjustable Idler						D	D	H	H
Air Injection Pump				G	G			H	H
#		1	2	5	6	3	4	7	8

*Drive-Belts (Indicate Belt used by Letter)

- #1. No Access. 4. P/S & A/C 7. A/C & A.I.P.
 2. Power Steering (P/S) 5. Air Injection Pump (A.I.P.) 8. P/S, A/C & A.I.P.
 3. Air Conditioning (A/C) 6. P/S & A.I.P.

*Drive Belt	A	B	C	D	E	F	G	H
Angle of V	36°	36°	36°	36°	36°	36°	36°	36°
Nominal Length (SAE)	40.25	46.75	40.00	51.75	47.25	40.50	44.75	61.75
Width	15/32	15/32	15/32	1/2	15/32	15/32	15/32	1/2

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED ^(a)
Montego
Cyclone

MODEL 390-2V & 4V, V8 427-4V, V8

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure	
Radiator cap relief valve pressure		12-15 PSI	
Circulation thermostat	Type (choke, bypass)	Poppet Valve	
	Starts to open at (°F)	188° - 195°	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM @ 1000 pump rpm	17	
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
Bearing type		Double Row — Sealed Ball & Roller	
By-pass recirculation type (inter., ext.)		External	
Radiator core type (cellular, tube and fin, other)		Down Flow, Tube & Fin	
Cooling system capacity	With heater (qt.)	20.5	
	Without heater (qt.)	19.5	
	Opt. equipment-specify (qt.)	None	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Radiator hose	Lower	Number and type (molded, straight)	One, Molded
		Inside diameter	1.75 @ Radiator 2.07 @ Water Pump
	Upper	Number and type (molded, straight)	One, Molded
		Inside diameter	1.50 @ Radiator 1.75 @ Outlet
	By-pass	Number and type (molded, straight)	One, Straight
		Inside diameter	.576-.620
	Fan	Number of blades & spacing	1 4 Uneven 2 7 Uneven 3 7 Uneven
		Diameter	19.0 18.25 18.25
Ratio-fan to crankshaft rev.		0.94:1 1.25:1 1.10:1	
Fan cutout type		None (a) (a)	
Bearing type		Double Row, Sealed Ball	
* Drive belts (indicate belt used by letter)	Fan		
	Generator or alternator		
	Water Pump		
	Power Steering		
Air Conditioning			

See Attached Sheet

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V											
Nominal length (SAE)											
Width											

(1) 390-2V & 4V (Non. GT) Std & Extra Cooling (2) All 390-2V & 4V and 427-4V A/C

Form Rev. 3-67

(3) 427-4V Std. Cooling & 390-4V GT Std. & Extra Cooling (a) Thermo-Modulated

AMA Specifications—Passenger Car

Page 11-E

MAKE OF CAR Comet Montego Cyclone MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)

MODEL _____

ENGINE		390-2V & 390-4V (Non-GT)									
RATIO - FAN TO CRANKSHAFT REV.		.94:1	.94:1	.94:1	.94:1	.94:1	1.25:1	1.25:1	1.25:1	1.25:1	1.25:1
*Drive Belts (Indicate Belt used by Letter)	Fan	A	A	F-G	Two-F G	Two-F G	Two-C	C-E	Two-J	E-J	
	Alternator	A	A	Two-F	Two-F	Two-F	Two-C	C	Two-J	J	
	Water Pump	A	A	Two-F G	Two-F G	Two-F G	Two-C	C-E	Two-J	E-J	
	Power Steering		B		B			E		E	
	Air Conditioning						D	D	H	H	
	Crankshaft	A	A-B	Two-F	Two-F B	Two-F B	Two-C D	C-D-E	Two-J H	E-J-H	
	Fixed Idler						D	D	H	H	
	Adjustable Idler						D	D	H	H	
	Air Injection Pump			G	G				H	H	
	#	1	2	5	6		3	4	7	8	

- #1. No Access. 4 P/S & A/C 7. A/C & A.I.P.
 2. Power Steering (P/S) 5. Air Injection Pump (A.I.P.) 8. P/S, A/C & A.I.P.
 3. Air Conditioning (A/C) 6. P/S & A.I.P.

*Drive Belt	A	B	C	D	E	F	G	H	J
Angle of V	36°	36°	36°	36°	36°	36°	36°	36°	36°
Nominal Length (SAE)	44.75	42.50	41.75	59.50	50.75	42.00	35.00	66.25	41.00
Width	15/32	1/2	15/32	1/2	15/32	15/32	15/32	1/2	15/32

AMA Specifications—Passenger Car

Page 11-F

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (•)
Montego
Cyclone

MODEL _____

ENGINE		390-4V GT & 427-4V, 289-2V & 302-4V			
RATIO — FAN TO CRANKSHAFT REV.		1.10:1	1.10:1	1.25:1	1.25:1
*Drive-Belts (Indicate Belt used by Letter)	Fan	Two-A B	Two-A B	Two-E	E-F
	Alternator	Two-A	Two-A	Two-E	E
	Water Pump	Two-A B	Two-A B	Two-E	E-F
	Power Steering	C			F
	Air Conditioning			D	D
	Crankshaft	Two-A C	Two-A	Two-E D	E-F-D
	Fixed Idler			D	D
	Adjustable Idler			D	D
	Air Injection Pump	B	B	D	D
	#	2	1	3	4

#1. Air Injection Pump (A. I. P.)
 2. P/S & A. I. P.
 3. A/C & A. I. P.
 4. P/S, A/C & A. I. P.

*Drive Belt	A	B	C	D	E	F
Angle of V	36°	36°	36°	36°	36°	36°
Nominal Length (SAE)	40.75	34.25	42.50	64.75	41.00	51.50
Width	15/32	15/32	15/32	1/2	15/32	15/32

AMA Specifications—Passenger Car

MAKE OF CAR	Comet	MODEL YEAR	1968	DATE ISSUED	10-13-67	REVISED (a)
	Montego					
	Cyclone					
MODEL		200 Six	302-2V & 4V	390-2V	390-4V	427-4V

ELECTRICAL — SUPPLY SYSTEM

Autolite (a)

Battery	Make and Model -10655-		C5AF-A	C5AF-B*	C5AF-C*	(b)
	Voltage Rtg. & Total Plates		12V 54 Plate	12V 66 Pl.	12V 66 Plate	
	SAE Designation & Amp. Hr. Rtg.		45 Amp. Hr.	55 A.H.	70 Amp. Hr.	
	Location		Right Hand Front Engine Compartment			
	Terminal grounded		Negative			
Generator or Alternator	Make		Autolite 42, 55 Amp.		Leece-Neville 53 Amp.	
	Model		42 Amp. C5AF-10300-B (c)			
	Type and rating		3 Phase Full Wave Bridge Rectified Self Limiting			
	Output at engine idle (neutral)		16.0 Amp. @ 600 rpm 19.7 Amp. @ 625 rpm 16.5 Amp. @ 600 rpm			
	Ratio-Gen. to Cr/s rev.		2.3:1		2.5:1 (d) 2.36:1 (d)	
Regulator	Make		Autolite			
	Model		38, 42 Amp. C8AF-10316-A, 55 Amp. C8TF-10316-A			
	Type		Two Unit — Voltage Control & Field Relay			
	Cutout relay	Closing voltage generator rpm	12.0 — 12.8 @ 1200 rpm			
		Reverse current to open	Open Circuit			
	Regu- lated	Voltage	14.1 — 14.7 @ 75°			
		Current	Not Applicable			
	Voltage test conditions	Temperature	75°			
		Load	5 Amp.			
Other		None				

ELECTRICAL — STARTING SYSTEM

Starting Motor	Make		Autolite		
	Model	-11001-	C7ZF-A (e)	C7AF-F (f)	C7AF-C
	Rotation (drive end view)		Clockwise		
Motor control	Switch (solenoid, manual)		Solenoid		
	Starting procedure		Turning Ignition Key to Right Against Spring to Actuate the Starter Motor. Release when Engine Starts.		
Motor Drive	Engagement type		Positive — Electro Mechanical		
	Pinion meshes (front, rear)		Front		
	Number of teeth	Pinion	9	9	9
		Flywheel	136	164	176
	Flywheel tooth face width	Manual	132	157	184
		Auto.	365	365	365

(a) C5AF-10655-B — 55 amp. hr. — Std. for 200 engine with A/C and 390 engine with auto. trans.

(b) C5VF-10655-A — 80 amp. hr. — Std. for 427 engine.

(c) 55 Amp. C6AF-10300-G (200-CID), C6AF-10300-F (302-CID), C6TF-10300-F (390-CID)
53 Amp. L-N C5AF-10300-J (200-CID), C5AF-10300-A (302-CID), C5OF-10300-H (390 CID)

(d) 390-CID — 2.36:1, A/C 3.07:1, A/C & P.S. 2.8:1

(e) For Std. Trans. Only. Use C7OF-11001-A for Auto. Transmission.

(f) For Std. Trans. Only. Use C7AF-11001-B for Auto. Transmission.

* Autolite Heavy Duty Options Available All Except As Noted in (a) & (b) (70 amp. hr. not available for 200 engine).

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED ^(a)
Montego
Cyclone

MODEL 200 Six 302-2V, V8 302-4V, V8

ELECTRICAL - IGNITION SYSTEM

Manual Transmission

Type	Conventional - Std., Opt., N.A.		Standard			
	Transistorized - Std., Opt., N.A.		N.A.			
	Other (specify)					
Coil	Make		Autolite			
	Model		FAC-12029-A			
	Amps	Engine stopped Engine idling	4.5 2.5			
Distributor (a)	Make		Autolite			
	Model	-12127 -	C5DF-E	C7OF-A	C7ZF-F	
	Cent'fgal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	(b)	0°-2° @ 1150	0°-2° @ 780	
		Intermediate points deg. @ rpm	0°-2° @ .3" @ 1100 15.5°-17.5° @ .6" @ 2200	14°-16° @ 1800 19.6°-22.4° @ 3000	12.5° @ 1200 15.3° @ 2400	
		Max. deg. @ rpm	20.5°-23° @ 3.8" @ 4000	24°-27.5° @ 4000	17.5°-20.5° @ 4000	
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.) (c)	27.5°-30.5° @ 6.8" @ 1000	0°-2.3° @ 5.8"	0°-2° @ 5"	
		Intermediate points, deg. @ in. Hg.	(c) 28°-31° @ 7.9" @ 1800	0°-5.8° @ 7.0" 10.8°-16.8° @ 12.0"	0°-6° @ 5.8" 12.5°-18.5° @ 10'	
		Max. deg. in. Hg. (c)	25.5°-28.5° @ 7.0" @ 3200	16°-22° @ 17.0"	19°-25° @ 14.5"	
	Breaker gap (in.)		.024 - .026	.014 - .016		
	Cam angle (deg.)		35°-38°	26° - 28.5°		
	Breaker arm tension (oz.)		17 - 21	17 - 21		
	(a) Timing	Crankshaft deg. @ rpm (d)		3° to 9° BTDC		
		Mark location		Front Cover Crankshaft Damper		
Spark Plug	Make		Autolite			
	Model		BF-82	BF-32		
	Thread (mm)		18 mm			
	Tightening torque (lb. ft.)		15-20			
Cable	Gap		.032 - .036			
	Conductor type		Resistance Core Cable			
	Insulation type		Neoprene Sheath			
	Spark plug protector		Hypalon Boot			

ELECTRICAL - SUPPRESSION

Locations & type Capacitor in Alternator & Voltage Reg. — Resistance Core Ign. Cables & Hood Ground

- (a) Non-Emission Information — see page 9 for Emission Information.
 (b) Wide Open Throttle Vacuum Advance — 200 Engine.
 (c) Part Throttle Vacuum Advance — 200 Engine.
 (d) At Idle: 525-575 rpm with lights off.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10-13-67 REVISED (*)

Montego
Cyclone

MODEL

390-2V, V8

390-4V, V8

ELECTRICAL — IGNITION SYSTEM

Manual Transmission

Type	Conventional — Std., Opt., N.A.		Standard	
	Transistorized — Std., Opt., N.A.		N. A.	
	Other (specify)			
Coil	Make		Autolite	
	Model		FAC-12029-A	
	Amps	Engine stopped	4.5	
		Engine idling	2.5	
Distributor (a)	Make		Autolite	
	Model		C7AF-AD	C7OF-H
	Cent'gal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	0°-2° @ 950	0°-2° @ 760
		Intermediate points deg. @ rpm	3.5°-5.5° @ 1300 10.7°-13.3° @ 2800	9.6°-11.6° @ 1080 14°-16.5° @ 2400
		Max. deg. @ rpm	16.5°-19.5° @ 4000	19.5°-22.5° @ 4000
		Start (in. Hg.)	0°-2.5° @ 6"	0°-2.5° @ 8"
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Intermediate points, deg. @ in. Hg.	0°-7.5° @ 7.3" 10°-16° @ 10"	0°-8° @ 9.5" 8.4°-14.4° @ 12"
		Max. deg. in. Hg.	19°-25° @ 16"	12°-18° @ 13.8"
	Breaker gap (in.)		.014-.016	
	Cam angle (deg.)		26°-28.5°	
	Breaker arm tension (oz.)		17-21	
Timing (a)	Crankshaft deg. @ rpm (b)		7° to 13° BTDC	9° to 15° BTDC
	Mark location		Crankshaft Damper	
Spark Plug	Make		Autolite	
	Model		BF-32	
	Thread (mm)		18mm	
	Tightening torque (lb. ft.)		15-20	
	Gap		.032-.036	
Cable	Conductor type		Resistance Core Cable	
	Insulation type		Neoprene Sheath	
	Spark plug protector		Hypalon Boot	

ELECTRICAL — SUPPRESSION

Locations & type	Capacitor in Alternator and Voltage Regulator-Resistance Core Ignition Cable & Hood Ground
------------------	---

(a) Non-emission information — See page 9A for emission information.

(b) At idle: 525-575 rpm with lights off — 390-2V
600-650 rpm with lights off — 390-4V

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (a)
Montego
Cyclone

MODEL 200 Six 302-2V, V8 302-4V, V8

ELECTRICAL — IGNITION SYSTEM

Automatic Transmission

Type	Conventional — Std., Opt., N.A.		Standard		
	Transistorized — Std., Opt., N.A.		N.A.		
	Other (specify)				
Coil	Make		Autolite		
	Model		FAC-12029-A		
	Amps	Engine stopped Engine idling	4.5 2.5		
Distributor (a)	Make		Autolite		
	Model -12127-		C5DF-K	C7OF-B	C7ZF-E
	Cent'gal adv. in c/shift degrees @ engine rpm (nominal)	Start (rpm)	(b)	0°-2° @ 780	See Page 13
		Intermediate points deg. @ rpm	0°-2° @ .44" @ 1425 7.4°-9.6° @ 1.9" @ 2400	13.5°-15.5° @ 1320 17°-19.5° @ 2600	
		Max. deg. @ rpm	14°-16.5° @ 3.8" @ 4000	21°-24° @ 4000	
	Vacuum adv. in c/shift degrees @ in. Hg. (nominal)	Start (in. Hg.) (c)	22.5°-26.5° @ 6.8" @ 1000	0°-2.5° @ 6"	
		Intermediate points, deg. @ in. Hg.	22°-25° @ 7.9" @ 2200 (c)	0°-7.3° @ 7.4" 12.3°-18.3° @ 11"	
		Max. deg. in. Hg. (c)	21°-24° @ 7" @ 3200	19°-25° @ 16"	
	Breaker gap (in.)		.024 - .026	.014 - .016	
	Cam angle (deg.)		35° - 38°	26° - 28.5°	
Breaker arm tension (oz.)		17 - 21	17 - 21		
(a) Timing	Crankshaft deg. @ rpm (d)		9° to 15° BTDC	3° to 9° BTDC	
	Mark location		Front Cover	Crankshaft Damper	
Spark Plug	Make		Autolite	Autolite	
	Model		BF-82	BF-32	
	Thread (mm)		18mm		
	Tightening torque (lb. ft.)		15 - 20		
	Gap		.032-.036		
Cable	Conductor type		Resistance Core Cable		
	Insulation type		Neoprene Sheath		
	Spark plug protector		Hypalon Boot		

ELECTRICAL — SUPPRESSION

Locations & type Capacitor in Alternator & Volt. Reg. — Resistance Core Ign.
 Cable & Hood Ground

- (a) Non-Emission Information — see page 9B for Emission Information.
 (b) Wide Open Throttle Vacuum Advance.
 (c) Part Throttle Vacuum Advance.
 (d) At Idle: 500-550 rpm with lights off, in drive.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10-13-67 REVISED (•)
Montego
Cyclone

MODEL 390-2V, V8 390-4V, V8

ELECTRICAL – IGNITION SYSTEM

Automatic Transmission

Type	Conventional – Std., Opt., N.A.	Standard	
	Transistorized – Std., Opt., N.A.	N. A.	
	Other (specify)		
Coil	Make	Autolite	
	Model	FAC-12029-A	
	Amps	Engine stopped	4.5
		Engine idling	2.5
(a)	Make	Autolite	
	Model	-12127-	
	Cent'fgal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	0°-2° @ 1050
		Intermediate points deg. @ rpm	10.5°-12.5° @ 1700 16°-18.5° @ 3000
		Max. deg. @ rpm	20°-23° @ 4000
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	0°-2° @ 5"
		Intermediate points, deg. @ in. Hg.	0°-6° @ 5.8" 12.5°-18.5° @ 10"
		Max. deg. in. Hg.	19°-25° @ 14.5"
	Breaker gap (in.)	.014-.016	
	Cam angle (deg.)	26°-28.5°	
	Breaker arm tension (oz.)	17-21	
	(a) Crankshaft deg. @ rpm (b)	7° to 13° BTDC	
Timing	Mark location	Crankshaft Damper	
Spark Plug	Make	Autolite	
	Model	BF-32	
	Thread (mm)	18mm	
	Tightening torque (lb. ft.)	15-20	
	Gap	.032-.036	
Cable	Conductor type	Resistance Core Cable	
	Insulation type	Neoprene Sheath	
	Spark plug protector	Hypalon Boot	

ELECTRICAL – SUPPRESSION

Locations & type | Capacitor in Alternator and Voltage Regulator-Resistance Core
 Ignition Cables & Hood Ground

(a) Non-emission information — See pages 9A & 9B for emission information.

(b) At idle: 500-550 with lights off, in drive — 390-2V
 525-575 with lights off, in drive — 390-4V

AMA Specifications—Passenger Car

MAKE OF CAR Comet Montego Cyclone MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)

MODEL ALL

ELECTRICAL — INSTRUMENTS AND EQUIPMENT

Speedometer	Type	
	Trip odometer (yes, no)	
Charge indicator — type		Warning Lights
Temperature indicator — type		Cold and Hot
Oil pressure indicator — type		Warning Light
Fuel indicator — type		Electric Gauge
Other		None
Windshield wiper	Type — Standard	Two Speed Electric
	Type — Optional	
Windshield washer	Type — Standard	Standard
	Type — Optional	
Horn	Type	Air Electric
	Number used	(2) Two
	Amp draw (each)	5.5 Amps

DRIVE UNITS — CLUTCH (Manual Transmission)

Make & type	200 Six (a)	289-2V & 302-2V	390-2V, V8	390-4V, V8
Type pressure plate springs	Long Manufacturing Semi-Centrifugal Single Disc Dry Plate			
Total spring load (lb.)	1158	1278	1710	1944
No. of clutch driven discs	One			
Material	Woven Asbestos			
Outside & inside dia.	9 x 6	10 x 6.75	11 x 7	11.5 x 7.0
Total eff. area (sq. in.)	70.6	85.5	113.1	130.0
Thickness	.125			
Engagement cushioning method	Torband Disc			
Release bearing	Type & method of lubrication	Ball Thrust, Prepacked Seal		
Torsional damping	Methods: springs, friction material	Spring Steel		

(a) Non-Centrifugal Single Dry Plate

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)
Montego
Cyclone

MODEL ALL

DRIVE UNITS — TRANSMISSIONS

	200-1V	302-2V. & 4V	390-2V & 4V	427-4V
Manual 3-speed (std. or opt.)	Std.	Std.	Std.	N.A.
Manual 4-speed (std. or opt.)	N.A.	Opt.	Opt.	N.A.
Manual with overdrive (std. or opt.)	N.A.	N.A.	N.A.	N.A.
Automatic (std. or opt.)	Opt.	Opt.	Opt.	Std.

DRIVE UNITS — MANUAL TRANS.

		200 Six	302-2V, 302-4V	390-2V	390-4V	302-2V, 302-4V	390-2V	390-4V
Number of forward speeds		3	3	3	3	4	4	4
Transmission ratios	In first	2.99:1	2.99:1	2.42:1	2.42:1	2.78:1	2.32:1	2.78:1
	In second	1.75:1	1.75:1	1.61:1	1.61:1	1.93:1	1.69:1	1.93:1
	In third	1.00:1	1.00:1	1.00:1	1.00:1	1.36:1	1.29:1	1.36:1
	In fourth	—	—	—	—	1.00:1	1.00:1	1.00:1
	In reverse	3.17:1	3.17:1	2.33:1	2.33:1	2.78:1	2.32:1	2.78:1
Synchronous meshing, specify gears		1-2-3	1-2-3	1-2-3	1-2-3	1 thru 4	1 thru 4	1 thru 4
Shift lever location		Column				Floor Shift		
Lubricant	Capacity (pt.)	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	Type recommended	ESW-M2C83-B						
	SAE viscosity number	Summer	SAE-80					
		Winter	SAE-80					
		Extreme cold	SAE-80					

DRIVE UNITS — MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

Type (planetary or other)	
Manual lockout (yes, no)	
Downshift accelerator control (yes, no)	
Minimum cut-in speed	
Gear ratio	
Lubricant	Capacity (pt.) (Overdrive only)
	Separate filler (yes, no)
	Type recommended
	SAE vis- Summer
	cosity Winter
	number Extreme cold

Not Available

AMA Specifications—Passenger Car

MAKE OF CAR	Comet Montego Cyclone	MODEL YEAR	1968	DATE ISSUED	10/13/67	REVISED (*)
MODEL		200 Six	289 & 302-2V	390-2-4V	427-4V	

DRIVE UNITS — AUTOMATIC TRANSMISSION

Trade name	Cruise-O-Matic (Select Shift)			
Type describe	Torque Converter with Planetary Gears			
Selector location	Column or Floor Shift (P-R-N-D-2-1)			
List gear ratios Selector Pattern and indicate which are used in each selector position	Gear Ratios — 1st — 2.46:1, 2nd — 1.46:1, 3rd — 1.00:1, Reverse 2.20:1 P — Park R — Reverse N — Neutral D — 1st Gear Start, Automatic Upshift 2 — 2nd Gear Start and Hold — 1st — 1st Gear Start and Hold			
Max. upshift speed—drive range				
Max. kickdown speed—drive range				
Torque converter	Number of elements	Three		
	Max. ratio at stall	2.10	2.02	2.10
	Type of cooling (air, liquid)	Liquid Passed Through Heat Exchanger on Radiator		
Lubricant	Nominal diameter			
	Capacity—refill (pt.)	16.0	18.0	26.0
Special transmission features	Type recommended	Type "A" Transmission Fluid — M2C33F		
		Engine Starts Only When Shift Lever is in "N" or "P" Position		

DRIVE UNITS — PROPELLER SHAFT

		200 Six	289 & 302-2V, V8	390-2V & 4V, V8
Number used		One		
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Exposed Tube-in-Tube		
Outer diam. x length ^a x wall thickness	Manual 3-speed trans. Sed. S/W	3.00 x 58.67 x .065 3.00 x 55.64 x .065	3.00 x 58.67 x .065 3.00 x 55.64 x .065	3.00 x 57.43 x .065 3.00 x 54.56 x .065
	Manual 4-speed trans.		3.00 x 58.67 x .065	3.00 x 57.43 x .065
	Overdrive transmission			
	Automatic transmission Sed. S/W	3.00 x 58.67 x .065 3.00 x 55.64 x .065	3.00 x 58.67 x .065 3.00 x 55.64 x .065	3.00 x 54.03 x .065 (a) 3.00 x 51.01 x .065

* Center to center of universal joints, or to centerline of rear attachment.

(Continued)

(a) Use with 427-4V Auto. Transmission

AMA Specifications—Passenger Car

MAKE OF CAR	Comet	MODEL YEAR	1968	DATE ISSUED	10-13-67	REVISED (a)	
	Montego						
	Cyclone						
MODEL		200 Six	302-2V & 4V	390-2V & 4V	427-4V		

DRIVE UNITS — PROPELLER SHAFT (cont.)

Inter- mediate bearing	Type (plain, anti-friction)		None			
	Lubrication (fitting, prepack)		None			
Slip Yoke	Type					
	Number of teeth		28	28	28 Man 31 Auto	31
	Spline O.D.		1-1/2	1-1/2	1-1/2 Man. 1-11/16 Auto	1-11/16
Universal joints	Make and Mfg. No.		Ford			
	Number used		Two			
	Type (ball and trunnion, cross)		Cross			
	Rear attach. (u-bolt, clamp, etc.)		U-Bolt			
	Bearing	Type (plain, anti-friction)	Anti-Friction			
		Lubric. (fitting, prepack)	Pre-Packed			
Drive taken through (torque tube or arms, springs)			Spring			
Torque taken through (torque tube or arms, springs)			Spring			

DRIVE UNITS — AXLE

Type (front, rear)			Rear		
Description			Conventional Rear Axle, with Semi-Floating Axle Shafts and Straddle Mounted Ring Gear Pinion		
Limited Slip differential, type			Ford Equalock		
Drive Pinion Offset			1.50	2.25	
No. of differential pinions			Two	Four	
Pinion adjustment (shim, other)			Shim		
Pinion bearing adj. (shim, other)			Collapsible Spacer		
Wheel bearing type			Single Row Double Sealed Ball Bearing		
Lubricant	Capacity (pt.)		4	5.0	
	Type recommended		Hypoid-Extreme Pressure (b)	M-23105A	M-23105-A
	SAE viscosity number	Summer	SAE-90		
		Winter	SAE-90		
		Extreme cold	SAE-90		

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		2.75:1	2.79:1	2.83:1	3.00:1	3.20:1	3.25:	3.50:1
No. of teeth	Pinion	16	14	12	13	10	12	10
	Ring gear	44	39	34	39	32	39	35
Ring Gear O.D.								

(a) M2C104-A for Equalock and 200 Six, 289-302-V8

(b) M2

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10-13-67 REVISED 11-21-67Montego
Cyclone

ALL MODELS

MODEL

DRIVE UNITS—WHEELS

Type & material	Stamped Steel Disc	
Rim (size & flange type)	Std.	14 x 6JJ on all except GSA which has 14.5. 6JJ
	Opt.	14 x 6JJ and 14 x 6JJ Styled (Chrome Plated)
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.5
	Number and size	Five — 1/2-20

MODEL

DRIVE UNITS—TIRES

		Sedans & Conv.	HT 65A	All Other H.T.	S/W		GT
		All Eng.	200 & 302	200 — 302 & 390	200 & 302	390	All
Standard	Size, ply rating, & ply	7.75-14 2/4 PR	7.35-14 2/4 PR	7.75-14 2/4 PR	7.75-14 2/4 PR	7.75-14 4/8 PR	F70-14 2/4 PR
	Type (bias, radial, etc.)	Bias	Bias		Bias		Bias
	Full rated Inflation Press.	Front	24	24	22	22	24
		Rear	26	26	32	34	24
	Rev./Mile at 50 MPH	761	791	761	761	761	786
Optional	Size, ply rating, & ply	7.35-14 2/4 PR 7.75-14 2/4 PR & 4/8 PR F70-14 2/4 PR FR70-14					

BRAKES—PARKING

Type of control		Foot Operated Hand Release
Location of control		Left of Steering Column
Operates on		Rear Service Brake
If separate from service brakes	Type (internal or external)	—
	Drum diameter	—
	Lining size (length x width x thickness)	—

- (a) 427 CID GT FR70 x 14 Tire Std.
 (b) Must use 14 x 6" wheels.
 (c) FR70 x 14 on HT and Conv. only with 14 x 6" wheels and handling susp.
 (d) Tire pressures to provide maximum fuel economy —
 4-Ply Rated Tires — inflate to 32 psi maximum
 8-Ply Rated Tires — inflate to 40 psi maximum

Note: When using maximum fuel economy inflation pressures any front and rear tire pressure differential shown above must be maintained but do not exceed the maximum pressure.

AMA Specifications—Passenger Car

MAKE OF CAR	Comet	MODEL YEAR	1968	DATE ISSUED	10-13-67	REVISED (*)
	Montego	Sedans, HT	Convertible	Sedan, HT	Station Wagon	
MODEL	Cyclone	200, 302	200, 302	390 427	200, 302	390

BRAKES—SERVICE

Type (drum or disc)	Duo-Servo					
Self adjusting (std., opt., N.A.)	Standard					
Power brake make & type (remote, int., etc.)	Std.	Disc Only			Std. Disc Brakes	Disc Only
	Opt.				See Page 19-A	
Effective area (sq. in.) ¹		129.7	146.6			146.6 165.2
Gross lining area (sq. in.) ^{**}		154.7	174.0			174.0 193.4
Swept area (sq. in.) ^{***}		251.4	282.8			282.8 314.2
Percent brake effectiveness—front		60.6	60.6			57.6 57.6
Drum or Disc	Diameter (nominal)	Front	10.0 x 2.25	10.0 x 2.50		10.0 x 2.50
		Rear	10.0 x 1.75	10.0 x 2.00		10.0 x 2.00 10.0 x 2.50
	Type and material	Front: Full Cast Rear: Composite		Flared Flared		(b)
	Disc (vented or solid)	—		—		
No. pistons per caliper		—		—		
Wheel cyl. inder bore	Front		1.125	1.094	1.094	1.094 1.094
	Rear		.906	.906	.875	.938 .938
Master Cylinder	Bore			1.00		
	displacement	Front %	58	58	58	58
	distribution	Rear %	42	42	42	42
Disc Brk. Valve	Type (proportion, delay, metering, other)	Proportion				
Pedal arc ratio		6.22				
Line pressure at 100 lb. pedal load		795 psi				
Shoe clearance adjustment		.015				
Brake lining	Drum or Disc	Drum—Frt. & Rear				
	Banded or riveted	Riveted				
	Material	Molded Asbestos				
	Front Wheel	Size (length x width x thickness)	Prim. or out-board	8.46 x 2.25 x .180	8.46 x 2.50 x .180	See 8.46 x 2.50 x .180
			Second. or in-board	10.88 x 2.25 x .250	10.88 x 2.50 x .250	19A 10.88 x 2.50 x .250
		Segments per shoe	One			
		Material	Molded Asbestos			
	Rear Wheel	Size (length x width x thickness)	Prim. or out-board	8.46 x 1.75 x .180	8.46 x 2.00 x .180	8.46 x 2.50 x .250
			Second. or in-board	10.88 x 1.75 x .250	10.88 x 2.50 x .250	10.88 x 2.50 x .250
		Segments per shoe	One			
		Material	Molded Asbestos			

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

(a) Disc Brake Standard with 390 G.T. Engine — See Page 19-A.

(b) Flared, 302-390 only

200/302 Composite - 390 Flared.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)Montego
Cyclone

MODEL _____

BRAKES — SERVICE

Optional — Disc Brakes — (Front)

Type (drum or disc)				Caliper Disc			
Self adjusting (std., opt., N.A.)							
Power brake make & type (remote, int., etc.)		Std.		Dual Master Cyl.			
		Opt.		—			
Effective area (sq. in.)†				35.6			
Gross lining area (sq. in.)**				35.6			
Swept area (sq. in.)***				228			
Percent brake effectiveness — front							
Drum or Disc	Diameter (nominal)	Front		11.3 (Disc)			
		Rear		10.0 (Drum)			
	Type and material		Cast-Iron Disc, Duclite Iron Caliper				
	Disc (vented or solid)		Vented				
No. pistons per caliper		One					
Wheel cyl. inder bore	Front		2.38				
	Rear		See Page 19				
Master Cylinder	Bore		.937				
	displacement distribution	Front	%	65			
		Rear	%	35			
	Disc Brk. Valve	Type (proportion, delay, metering, other)		Proportion			
Pedal arc ratio				3.00			
Line pressure at 100 lb. pedal load				780 @ 20 Hg.			
Shoe clearance adjustment				0			
Brake lining	Drum or Disc			Front Disc			
	Bonded or riveted			Bonded			
	Front Wheel	Material		Molded Asbestos			
		Size (length x width x thickness)	Prim. or out-board	4.90 x 2.07 x .38			
			Second. or in-board	4.90 x 2.07 x .38			
			Segments per shoe		One Each Side of Disc		
	Rear Wheel	Material					
		Size (length x width x thickness)	Prim. or out-board	(See Page 19)			
			Second. or in-board				
			Segments per shoe				

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (e)Montego
Cyclone

MODEL

STEERING

ALL MODELS

Manual (std., opt., NA)				Standard	
Power (std., opt., NA)				Optional	
Adjustable steering wheel (tilt, swing, other)		Type and description			
		(std., opt., NA)		NA	
Wheel diameter		Manual		16	
		Power		16	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)		NA	
		Curb to curb (l. & r.)		41.45	
	Inside rear	Wall to wall (l. & r.)		NA	
		Curb to curb (l. & r.)		NA	
Outside whl. angle with inside whl. at 20°				18° 3'	
Manual	Gear	Type		Recirculating Ball & Nut	
		Make		Ford	
		Ratios	Gear	22:1	
			Overall	29.4:1	
	No. wheel turns		5.25 Lock to Lock		
Power	Type (coaxial, linkage, etc.)		Linkage Booster		
	Make		Bendix		
	Gear	Type		Recirculating Ball & Nut	
		Ratios	Gear	16:1	
			Overall	21.6:1	
			Pump driven by		Belt off Crankshaft Pulley
	Number wheel turns		3.5 Lock to Lock		
Linkage	Type		Parallelogram		
	Location (front or rear of wheels, other)		Rear of Wheels		
	Drag link (trans. or longit.)		Transverse		
	Tie rods (one or two)		Two		
Steering Axis	Inclination at camber (deg.)		7° All		
	Bearings (type)	Upper	Joint with Sintered Iron Ball — Teflon Coated Fabric Washer		
		Lower	Joint with Sintered Iron Ball — Teflon Coated Fabric Washer		
		Thrust	Steel Spring and Cap in all Joints		
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		$+1/2^{\circ} \pm 1/2^{\circ}$		
	Camber (deg.)		$+1/4^{\circ} \pm 1/2^{\circ}$		
	Toe-in (outside track inches)		$1/4 \pm 1/16$		
Steering spindle & joint type				Integral Assembly with Ball Socket Joints	
Wheel Spindle	Diameter	Inner bearing		1.25 I. D.	
		Outer bearing		.75 I. D.	
	Thread size		3/4" - 16 NF3		
	Bearing type		Tapered Roller		

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)Montego
CycloneMODEL ALL MODELS

SUSPENSION — GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling		None		
Provision for brake dip control		Tilted Upper Control Arm Anti-Dive Front Suspension		
Provision for acc. squat control		Asymmetrical Type Rear Spring Mounting		
Special provisions for car jacking		None		
Shock absorber front & rear	Type	Direct Acting, Rebound Cut-Off Front		
	Make	Autolite	Ford G. P. D.	Gabriel
	Piston dia.	1.00 Std.	1.18 Heavy Duty	
Other special features				

SUSPENSION — FRONT

Type and description		Independent S. L. A. Suspension with Ball Joints & Coil Springs				
Spring	Type	Coil				
	Material	SAE-5160 Steel				
	Size (coil design height & I.D. bar length x dia.)	10.61" x 3.88", 127"-149" Bar Length, .575-.66 Bar Diam.				
	Spring rate (lb. per in.)	225 (a)	235 (b)	255 (c)	320 (d)	365 (e)
	Rate at wheel (lb. per in.)	66	72	86	118	123
Stabilizer	Type (link, linkless, frameless)	Link Type				
	Material & bar diameter	SAE-1080 Steel .69 Dia. — all 6 cyl. models exc. S/W, .72 all 8 cyl. models exc. "GT" which is .85				

SUSPENSION — REAR

Type and description		Hotchkiss				
Drive and torque taken through		Rear Spring				
Spring	Type	Semi-Elliptic Leaf				
	Material	SAE 5160: Spring Steel				
	Size (length x width, coil design height & I.D., bar length & dia.)	58.0" x 2.50"				
	Spring rate (lb. per in.)	88 (f)	95 (f)	88 (f)	138 (g)	138 (g)
	Rate at wheel (lb. per in.)	93.5	93.5	93.5	133	133
	Mounting insulation type	Rubber Bushings				
	If leaf	No. of leaves	4	4	4	4
Stabilizer	Shackle (comp. or tens.)	Compression				
	Type (link, linkless, frameless)	None				
	Material	—				
Track bar type		None				

- Front (a) 200 CID Models 54, 62, 63, 71 & 76.
 (b) 302 Models 54, 62, 63, 71, 76.
 (c) 390 Models 54, 62, 63 & 76.
 (d) 302 GT Models 65D, 63D, 76D.
 (e) 390 & 427 GT Models 65D, 63D, 76D.
- Rear (f) 200, 302 & 390-2V CID Models 54, 62, 63.
 (g) 302, 390-2V & 4V, 427 GT Models

AMA Specifications—Passenger Car

Page 23

Page 23

MAKE OF CAR Comet Montego Cyclone MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (*)

MODEL _____

CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows	Side windows	Opt.
	Vent windows	NA
	Backlight or tailgate	Opt.
Power seats (specify type as well as availability)		NA
Reclining front seat back (R-L or both)		NA
Front seat head restrainer (R-L or both)		Opt.
Radios (specify type as well as availability)		AM Transistorized (Optional)
Rear seat speaker		Opt.
Power antenna		NA
Clock		Opt.
Air conditioner (specify type and availability)		NA 200 CID S/W Integrated Re-heat (Optional)
Speed warning device		NA
Speed control device		NA
Ignition lock lamp		NA
Dome lamp		Std.
Glove compartment lamp		Opt.
Luggage compartment lamp		Opt.
Underhood lamp		Opt.
Courtesy lamp		Opt.
Map lamp		Opt.
Auto. trans. quad. lamp		Std.
Cornering light lamp		NA
Brake Trouble Warning Lamp		Std.
Seat Belt Warning Lamp		Opt.
Tachometer		Opt.
AM-FM Multiplex Radio		Opt.

LAMP HEIGHT AND SPACING			54-62-76	Passenger	63-B-C	Station Wagon
Height above ground to center of bulb or marker	Headlamp	Highest *	31.29		31.39	31.69
		Lowest	24.06		24.16	24.46
	Tail	Highest	—		—	—
		Lowest	26.9		26.2	27.30
	Sidemarkers	Front				
		Rear				
Distance from C/L of car to center of bulb	Headlamp	Inside	—		—	—
		Outside *	30.06		30.06	30.06
	Tail	Inside	32.31		32.31	33.08
		Outside	—		—	—
	Directional	Front	29.92		29.92	29.92
		Rear	32.31		32.31	33.08

* If single headlamps are used enter here.

AMA Specifications—Passenger Car

MAKE OF CAR Comet MODEL YEAR 1968 DATE ISSUED 10/13/67 REVISED (a)
Montego
Cyclone

WEIGHTS

Model	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT	
	Front	Rear	Total	Pass. In Front		Pass. In Rear			
				Front	Rear	Front	Rear		
Comet Sports Coupe: (a)									
2-Door Hardtop -- 65A	1706	1513	3219	48	52	20	80	3078 - 200	
Montego Series: (b)									
4-Door Sedan 54B	1677	1446	3123	48	52	20	80	2982 - 200	
2-Door Hardtop 65B	1699	1499	3198	48	52	20	80	3057	
Montego MX Series: (c)									
4-Door Sedan 54D	1685	1463	3148	48	52	20	80	3007	
2-Door Hardtop 65D	1703	1520	3222	48	52	20	80	3081 - 200	
Convertible 76D	1741	1645	3386	48	52	20	80	3293	
Station Wagon 71C	1544	1976	3520	47	53	19	81	3379	
Cyclone Series: (d) Std.									
2-Door Hardtop (Formal) 65F	1838	1523	3361	48	52	20	80	3208	
2-Door Hardtop (FB) 63A	1809	1598	3407	48	52	20	80	3254 - 302	
GT 2-Dr. HT (Formal) 65J	2039	1596	3641	48	52	20	80	3479 - 390-4V	
GT 2-Dr. HT (FB) 63J	2014	1672	3687	48	52	20	80	3525 - 390-4V	
Montego MX Brougham (e)									
4-Door Sedan 54C	1688	1493	3181	48	52	20	80	3050 - 200	
2-Door Hardtop 65C	1703	1553	3256	48	52	20	80	3115	
Accessories & Equipment Differential Weights									
289-2V Vs. 200 Six	135	29	169	Comet Sports Coupe Only					
302-2V Vs. 200 Six	159	35	194						
289-2V Vs. 302-2V	-19	-6	-25						
390-2V Vs. 302-2V	175	68	243						
390-4V Vs. 390-2V	74	23	(37)	97					
427-4V Vs. 390-4V	62	5	67						
Merc-O-Matic Vs. 3 Spd.	-23	0	-23	With 200 Six Engine					
Merc-O-Matic Vs. 3 Spd.	-25	-1	-26	With 289-2V V8					
Merc-O-Matic Vs. 3 Spd.	0	3	3	With 390-2V V8					
Merc-O-Matic Vs. 3 Spd.	23	3	26	With 390-4V V8					
4 Spd. Vs. 3 Spd.	12	3	15	With 302-2V V8					
4 Spd. Vs. 3 Spd.	4	1	5	With 390-2V V8					
Air Conditioner	75	0	75	Integral					
Radio & Antenna	5	2	7						
Power Steering	28	0	28						
Power Disc Brakes	14	2	16	Std. on Cyclone GT					
55 Amp. Battery H. D.	8	-1	7						
70 Amp. Battery H. D.	17	-2	15						
Luggage Rack	0	25	25	Station Wagon					

(a) (b) (c) (e) Base Engine with 3-Spd. Manual Transmission — 200 Six.

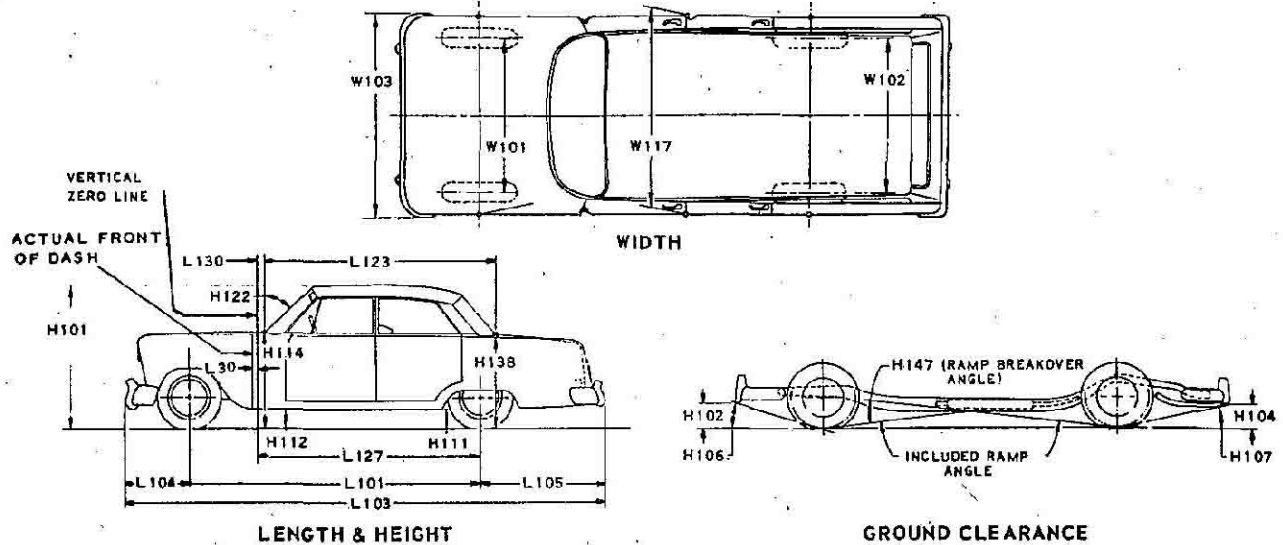
(d) Base Engine with 3-Spd. Man. Tra's. 302-2V V8, Exc. GT 65J, 63J — 390-4V, V8.

AMA Specifications—Passenger Car

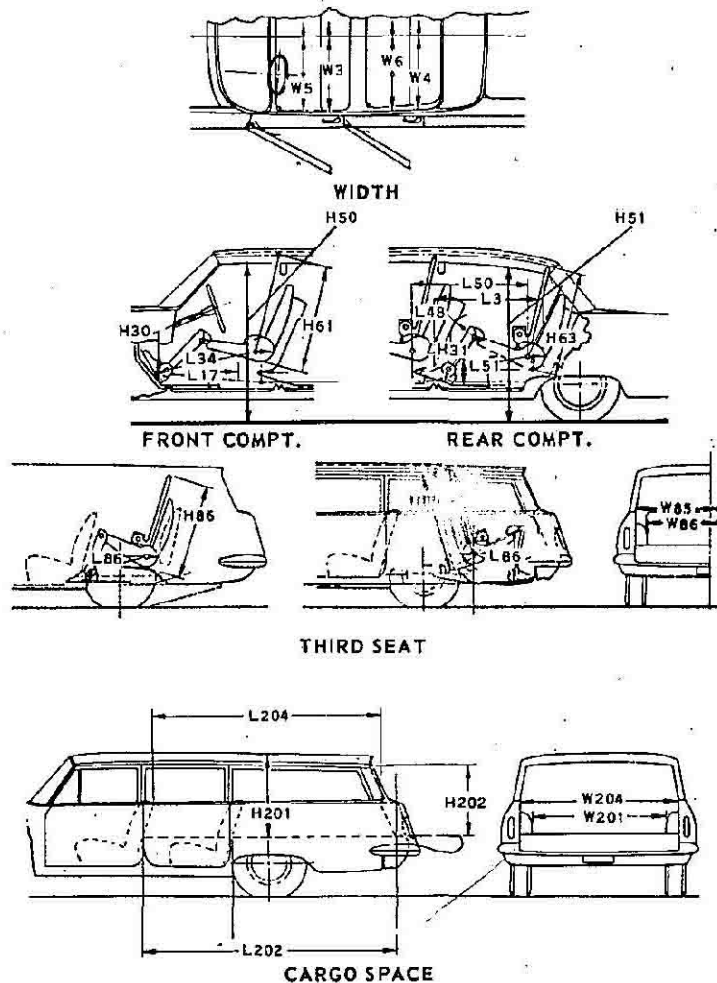
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



CAR AND BODY DIMENSIONS KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

- W101 WHEEL TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.
- W102 WHEEL TREAD - REAR. Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.

EXTERIOR LENGTH DIMENSIONS

- L 30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.
- L101 WHEELBASE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG - FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG - REAR. Measured from C. L. of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

EXTERIOR HEIGHT DIMENSIONS

- H101 OVERALL HEIGHT - DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H138 DECK POINT TO GROUND. Measured at vehicle centerline.
- H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
- H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

GROUND CLEARANCE DIMENSIONS

- H102 BUMPER TO GROUND - FRONT. Minimum dimension, includes bumper guards.
- H104 BUMPER TO GROUND - REAR. Minimum dimension, includes bumper guards.
- H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle. This dimension may be determined by calculation (see Design Standard DD 0.00 - 108) or graphically for reporting purposes.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

- H 61 EFFECTIVE HEAD ROOM - FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 34 MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H 30 H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward * positions.

FRONT COMPARTMENT DIMENSIONS (Cont.)

- W 3 SHOULDER ROOM - FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
- W 5 HIP ROOM - FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- H 50 UPPER BODY OPENING TO GROUND - FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

REAR COMPARTMENT DIMENSIONS

- L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H 63 EFFECTIVE HEAD ROOM - REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 51 MINIMUM EFFECTIVE LEG ROOM - REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
- H 31 H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L 48 MINIMUM KNEE ROOM - REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- L 3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W 4 SHOULDER ROOM - REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
- W 6 HIP ROOM - REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
- H 51 UPPER BODY OPENING TO GROUND - REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY - USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place, determined in accordance with the Passenger Car Luggage Space Standard, DD 0.00 - 105.
- H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON - THIRD SEAT DIMENSIONS

- W 85 SHOULDER ROOM - THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W 86 HIP ROOM - THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- L 86 EFFECTIVE LEG ROOM - THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H 86 EFFECTIVE HEAD ROOM - THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

STATION WAGON - CARGO SPACE DIMENSIONS

- L202 CARGO LENGTH AT FLOOR - FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204 CARGO LENGTH AT BELT - FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
- W201 CARGO WIDTH - WHEELHOUSE. The minimum horizontal dimension, measured between wheelhousings at floor level.
- W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
- H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
- H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail-and liftgates fully open.
- V 2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

W4xL204xH201

1728

AMA Specifications—Passenger Car

INDEX

SUBJECT	PAGE NO.
Automatic Transmission.....	16
Axis, Steering.....	20
Axle, Rear.....	17
Battery.....	12
Bearings, Engine.....	5, 6, 7
Belts - Fan, Generator, Water Pump.....	11
Brakes - Parking, Service Power.....	18, 19
Camber.....	20
Camshaft.....	6
Capacities.....	
Cooling System.....	11
Fuel Tank.....	10
Lubricants.....	
Engine Crankcase.....	8
Transmission and Overdrive.....	15, 16
Rear Axle.....	17
Car and Body Dimensions.....	
Width.....	1
Length.....	1
Height.....	1
Ground Clearance.....	1
Front Compartment.....	2
Rear Compartment.....	2
Luggage Compartment.....	2
Station Wagon - Third Seat.....	2
Station Wagon - Cargo Space.....	2
Carburetor.....	3, 9, 10
Caster.....	20
Choke, Automatic.....	10
Clutch - Pedal Operated.....	14
Coil, Ignition.....	13
Connecting Rods.....	5
Convenience Equipment.....	23
Cooling System.....	11
Crankcase Ventilation System.....	8
Crankshaft.....	6
Cylinders and Cylinder Head.....	4
Dimension Definitions.....	
Key Sheet.....	25
Exterior & Interior.....	26
Distributor - Ignition.....	13
Electrical System.....	12, 13, 14
Engine.....	
Bore, Stroke, Displacement, Type.....	4
Compression Ratio.....	4
Firing Order, Cylinder Numbering.....	4
General Information, H.P. & Torque.....	4
Lubrication.....	7, 8
Power Teams.....	3
Exhaust Emission Control.....	9
Exhaust System.....	8
Equipment Availability.....	22
Fan, Cooling.....	11
Filters - Engine Oil, Fuel System.....	8, 10
Frame.....	22
Front Suspension.....	21
Fuel, Fuel Pump, Fuel System.....	4, 10
Fuel Injection.....	10
Generator and Regulator.....	12
Glass.....	22
Height (Lamps).....	14
Headroom - Body.....	2
Heights - Car and Body.....	1
Horns.....	14
Horsepower - Brake.....	3, 4
Ignition System.....	13
Inflation - Tires.....	18
Instruments.....	14

SUBJECT	PAGE NO.
Kingpin (Steering Axis).....	20
Lamp height and spacing.....	23
Legroom.....	2
Lengths - Car and Body.....	1
Lifters, valve.....	6
Linings - Clutch, Brake.....	14, 19
Lubrication.....	7, 8, 14, 15, 16, 17
Luggage Compartment.....	2
Motor, Starting.....	12
Muffler.....	8
Overdrive.....	15
Piston Pins & Rings.....	4, 5
Pistons.....	4, 5
Power Brakes.....	19
Power Steering.....	20
Power Teams.....	3
Propeller Shaft, Universal Joints.....	16, 17
Pumps - Oil, Fuel.....	8, 10
Water.....	11
Radiator, Hoses.....	11
Ratios - Axle.....	3, 17
Compression.....	3, 4
Steering.....	20
Transmission.....	15, 16
Rear Axle.....	3, 17
Regulator - Generator.....	12
Rims.....	18
Rings, Piston.....	5
Rods - Connecting.....	5
Shock Absorbers, Front & Rear.....	21
Spark Plugs.....	13
Speedometer.....	14
Springs - Front & Rear Suspension.....	21
Valve, Engine.....	6
Stabilizer (Sway Bar) - Front & Rear.....	21
Starting System.....	12
Steering.....	20
Supply System.....	12
Suppression - Ignition, Radio.....	13
Suspension - Front & Rear.....	21
Tail Pipe.....	8
Thermostat, Cooling.....	11
Timing, Engine & Valve.....	6, 7, 13
Tires.....	18
Toe in.....	20
Torque Converter.....	16
Torque - Engine, Rated.....	3, 4
Transmission - Types.....	3, 10, 15, 16
Automatic.....	3, 10, 15, 16
Manual & Overdrive.....	3, 10, 15
Ratios.....	15, 16
Track.....	1
Trunk Luggage Capacity.....	2
Turning Diameter.....	20
Unitized Construction.....	22
Universal Joints, Propeller Shaft.....	16, 17
Valves - Intake & Exhaust.....	6, 7
Vibration Damper.....	6
Voltage Regulator.....	12
Water Pump.....	11
Weights - Shipping, Curb.....	24
Wheel Alignment.....	20
Wheelbase.....	1
Wheels & Tires.....	18
Wheel Spindle.....	20
Widths - Car and Body.....	1
Windshield.....	22
Windshield Wiper.....	14