

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. This uniform specification form was developed by the automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

MAKE OF CAR THUNDERBIRD **MODEL YEAR** 1960 **DATE ISSUED** 9-15-59 **REVISED**

COMPANY Ford Motor Company - Dearborn, Michigan

MODEL NAME	SYMBOL	MODEL NAME	SYMBOL
Hardtop	Model 63A		
Convertible	Model 76A		

TABLE OF CONTENTS

General Specifications 1	Drive Units 13	Rear Suspension 19	Body & Car - General 26
Engine - Mechanical 2	Brakes 16	Body Dimensions 20	Weights 27
Electrical 8	Front Suspension & Steering . . 17	Station Wagon 25	Index 28

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 the standard model without optional equipment. Significant deviations are noted.
 - Specifications apply basically to 4-door sedan or equivalent.
 - Nominal design dimensions are used throughout these specifications.

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.:	63A	76A
Wheelbase (L-101)		23	113.0	
Tread	Front (W-101)	24	60.0	
	Rear (W-102)	24	57.0	
Maximum Overall Dimensions	Length (L-103)	23	205.32	
	Width (W-103)	24	76.96 (Front Bumper)	
	Height (H-101)	22	52.48	53.07
Transmission— (Specify trade name - opt., not available)	Manual	13	Standard	
	Overdrive	14	Optional	
	Automatic	14	Optional (a)	
Axle ratio	Manual	15	3.70:1	
	Overdrive	15	3.70:1	
	Automatic	15	3.10:1 (b)	
Tire size		16	8.00 x 14-4 Ply.	
Engine	Type, no. cyl., valve arr.	2	90° V8 Overhead Valves	
	Fuel system (Carb. or inj.)	6	4V - Carb.	
	Bore and stroke	2	4.00 x 3.50	4.30 x 3.70 (c)
	Piston displ., cu. in.	2	352	430
	Std. compression ratio	2	9.6:1	10:1
	Max. bhp at engine rpm	2	300 @ 4600	350 @ 4600
	Max. torque at rpm	2	381 @ 2800	490 @ 2800

Rev. Form 3-59

- Cruise-O-Matic Standard with 430-4V Engine.
- 2.91:1 Ratios with 430-4V Engine.
- Power Option with 430-4V Engine.

AMA Specifications—Passenger Car

Page 2

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____
 MODEL 63A-76A

ENGINE—GENERAL		352 Cu. In.	430 Cu. In. (a)
Type, no. cyls., valve arr.		90° V-8 OHV	
Bore and stroke		4.00 x 3.50	4.30 x 3.70
Piston displacement, cu. in.		352	430
Bore spacing (C/L to C/L)		4.63	4.90
No. system	L. Bank	5-6-7-8	5-6-7-8
(front to rear)	R. Bank	1-2-3-4	1-2-3-4
Firing order		1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8
Compres. ratio	Standard	9.6:1	10.0:1
(nominal)	Optional	----	----
Cylinder Head	Standard	Cast Iron	
Material	Optional	-----	
Cylinder Sleeve	-Wet, dry, none	None	
Number of	Front	2	
mounting points	Rear	1	
Engine installation angle		4° 40'	4° 40'
Taxable horsepower	$\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$	51.20	59.17
Published max. bhp at engine RPM*	Standard	300 @ 4600	350 @ 4600
	Optional	381 @ 2800	490 @ 2800
Published max. torque* (lb. ft. @ RPM)	Standard	- - - -	- - - -
	Optional	- - - -	- - - -
Recommended fuel	Standard	Premium	Premium
regular - premium	Optional		
Recommended idle speed (neutral)		475 - 500 RPM	450 - 475 RPM

ENGINE—PISTONS

Material	Aluminum Alloy	
Description and finish	Autothermic Type, Solid Skirt Tin Plated	Autothermic Type, Closed-Slipper Skirt, Tin Plated
Weight (piston only) oz.	24.23-24.44	29.80

* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

(Continued)

Rev. Form 3-59

(a) Power Option with Both Models.

AMA Specifications – Passenger Car

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____

POWER TEAMS

(Indicate whether standard or optional)

SERIES	ENGINE				TRANSMISSION	AXLE RATIO (Std. first)
	Displacement	Carburetor	Compression Ratio	BPH		
63A or 76A	352	4-V	9.6:1	300	Manual Overdrive Cruise-o-matic	3.70:1 3.70:1 3.10:1
63A or 76A	430	4-V	10:1	350	Cruise-o-matic	2.91:1

AMA Specifications – Passenger Car

Page 3

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED

MODEL 63A - 76A

ENGINE PISTONS (Cont.)			352 Cu. In.	430 Cu. In. (a)
Clearance (limits)	Top land		.0180-.0202	.0175-.0207
	Skirt	Top	.0030-.0040	.0017-.0028
		Bottom	.0014-.0031	.0007-.0018
Ring groove depth	No. 1 ring		.0090-.2152	.2240-.2302
	No. 2 ring		.0090-.2152	.2240-.2302
	No. 3 ring		.2055-.2117	.2055-.2117
	No. 4 ring		- - -	- - -

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil Control
	No. 4, oil or comp.	
Compression	Description - material, type, coating, etc.	#1 -Plain face, inside bevel, cast iron alloy, chrome plated. #2 -Scraper groove, cast iron, phosphate coated.
	Width	#1-.0775-.0780, #2-.0930-.0940 #1-.0775-.0780, #2-.0930-.0940
	Gap	.013-.023 .015-.025
Oil	Description - material, type, coating, etc.	Three piece, sectional blued expanders SAE-1070 Steel Rail Chrome Plated
	Width	.1889 Assy. (Max.)
	Gap	.015 - .055
Expanders		See Above

ENGINE—PISTON PINS

Material	Alloy steel heat treated SAE-5015 Steel	
Length	3.150-3.170	3.480-3.500
Diameter	.9749-.9752	
Type	Locked in rod, in piston, floating, etc.	Full Floating, Tubular
	Bushings	Pressed Fit in Rod
		In Rod
Clearance	In rod or piston	None
	Material	Bronze

Clearance	In piston	.0001-.0003
	In rod	.0002-.0004
Direction & amount offset in piston		Interference Fit
		To right - .0575-.0675

ENGINE—CONNECTING RODS

Material	Forged steel with separately forged caps	
Weight (oz.)	25.75	27.19
Length (center to center)	6.538-6.542	6.599-6.601
Bearing	Material & Type	Steel backed, copper, lead alloy; replaceable inserts
	Overall length	.736-.746
	Clearance (limits)	.856-.866
	End play	.0006-.0024
		.0006-.0026
		.006-.016 (Two rods)

(a) Power Option on Both Models.

Rev. Form 6-57

AMA Specifications—Passenger Car

Page 4

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE: ISSUED 9-15-59 REVISED _____

MODEL 63A-76A

ENGINE—CRANKSHAFT

352 Cu. In.

430 Cu. In. (a)

Material			Precision Molded Alloy Cast Iron	
Vibration damper type			Rubber Floated	
End thrust taken by bearing (No.)			#3	
Crankshaft end play			.002-.006	.004-.008
Main bearing	Material & type		Steel backed, copped-lead alloy Replaceable Inserts	
	Clearance		.0007-.0029	.0009-.0029
	Journal dia. and bearing overall length	No. 1	2.7484-2.7492x.907	2.8994-2.9002x.95-96
		No. 2	2.7484-2.7492x.907	2.8994-2.9002x.95-96
		No. 3	2.7484-2.7492x1.121	2.8994-2.9002x1.118-1.120
		No. 4	2.7484-2.7492x.907	2.8994-2.9002x.95-96
		No. 5	2.7484-2.7492x.907	2.8994-2.9002x.95-96
		No. 6	----	
		No. 7	----	
Dir. & amt. cyl. offset		Right bank ahead one inch		
Crankpin journal diameter			2.4380-2.4388	2.5992-2.6000

ENGINE—CAMSHAFT

Location	In Block		
Material	Precision Molded, Special Alloy Iron		
Bearings	Material	Steel-backed Babbitt	
	Number	Five	
Type of Drive	Gear or chain		Chain
	Crankshaft gear or sprocket material		Sintered Iron or Steel
	Camshaft gear or sprocket material		Cast Iron
	Timing chain	No. of links	48 52
		Width	.864 .864
		Pitch	.50 .50

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard	
Valve rotator, type (intake, exhaust)		Ford-Free turn intake and exhaust	
Rocker ratio		1.76:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero Lash (Hydraulic Tappets)	
	Exhaust	Zero Lash (Hydraulic Tappets)	
Timing marks on flywheel, damper, other		On Crankshaft Damper	

(a) Power Option on both models

(Continued)

Rev. Form 3-59

AMA Specifications—Passenger Car

Page 5

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED
MODEL 63A-76A

ENGINE—VALVE SYSTEM (cont.)			352 Cu. In.	430 Cu. In. (a)
Timing	Intake	Opens (°BTC)	26	22
		Closes (°ABC)	64	68
		Duration - deg.	270	270
	Exhaust	Opens (°BBC)	67	63
		Closes (°ATC)	23	27
		Duration - deg.	270	270
	Valve opening overlap		49°	49°
Intake	Material		Special Alloy Valve Steel (Aluminum Coated)	
	Overall length		5.446	5.383
	Actual overall head dia.		2.022-2.037	2.080-2.095
	Angle of seat & face		60°30' - 60°45' (b)	45°30' - 45°45' (b)
	Seat insert material		None	None
	Stem diameter		.3711-.3718	.3711-.3718
	Stem to guide clearance		.0010-.0024	.0007-.0024
	Lift		.408	.408
	Outer spring press. and length	Valve closed (lb. @ in.)	94-104 @ 1.82	67-77 @ 1.83
		Valve open (lb. @ in.)	180-189 @ 1.42	235-260 @ 1.43
	Inner spring press. and length	Valve closed (lb. @ in.)	None	Damper Only
		Valve open (lb. @ in.)	None	None
Exhaust	Material		Cast Austenitic Steel Aluminum Coated	
	Overall length		5.426	5.383
	Actual overall head dia.		1.551-1.566	1.770-1.785
	Angle of seat & face		45°30' - 45°45' (b)	45°30' - 45°45' (b)
	Seat insert material		None	None
	Stem diameter		.3693-.3700	.3693-.3700
	Stem to guide clearance		.0028-.0042	.0025-.0042
	Lift		.408	.408
	Outer spring press. and length	Valve closed (lb. @ in.)	94-104 @ 1.82	67-77 @ 1.83
		Valve open (lb. @ in.)	180-198 @ 1.42	235-260 @ 1.43
	Inner spring press. and length	Valve closed (lb. @ in.)	None	Damper Only
		Valve open (lb. @ in.)	None	None

ENGINE—LUBRICATION SYSTEM

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

(Continued)

Rev. Form 3-59

- (a) Power Option on Both Models
(b) From center line of valve stem.

AMA Specifications – Passenger Car

Page 6

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____
 MODEL 63A-76A 352 Cu. In. 430 Cu. In. (a)

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotor
Normal oil pressure (lb. @ engine rpm)	45-55 @ 2000
Oil pressure sending unit (elect. or mech.)	Electrical
Type oil intake (floating, stationary)	Stationary Shrouded Screen in Sump
Oil filter system (full flow, partial, other)	Full Flow
Filter replacement (element, complete)	Complete
Capacity of crankcase, less filter-refill (qt.)	5
with filter	6
Oil grade recommended (SAE viscosity and temperature range)	SAE - 20 or 20W above 32° F SAE - 10 or 10W 32° to -10° F SAE - 5W below -10° F
Engine Service Requirement (MM, MS, etc.)	MS

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	Round, Reverse Flow
Exhaust pipe dia. (O.D.)	2.00 x .078
Branch wall thickness)	2.00 x .078
Main	2.00 x .078
Tail pipe diameter (O.D. & wall thickness)	2.00 x .075

ENGINE—FUEL SYSTEM

(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.	Carburetor
Fuel Tank	Capacity (gals.) 20
Filler location	Behind Rear License Plate
Fuel Pump	Type (elec. or mech.) Mechanical
Locations	Left Side on Front Cover Top Center of Front Cover
Pressure range	4.5-5.5 P.S.I. 5.0-6.0 P.S.I.
Vacuum booster (std., optional, none)	Standard
Fuel Filter	Type Wire cloth-plastic and accreted paper
Locations	Wire cloth in tank; accreted paper in fuel line
Make & Model No.	Ford or Holley Carter - AFB-2992-S
Number of carbs., bbls. per carb. & type	One-Downdraft Four Barrel
Barrel size	Primary - 1.5625; Secondary - 1.6875 (b)
Choke type	Automatic
Intake manifold heat control (exhaust or water)	Exhaust Water
Air clnr. type	Standard Dry, Replaceable Element
Optional	-----

Rev. Form 3-59

(a) Power Option on Both Models

(b) 352-4V Primary and Secondary 1.562

AMA Specifications – Passenger Car

Page 7

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____
 MODEL 63A-76A

ENGINE—COOLING SYSTEM		352 Cu. In.	430 Cu. In. (a)	
Type system (pressure, pressure vented, atmospheric, other)		Pressure		
Radiator cap relief valve pressure		12-15		
Circulation thermostat	Type (choke, bypass)	Poppet Type & Vane Type		
	Starts to open at (°F)	177-182° F	177-182° F (b)	
Water pump	Type (centrifugal, other)	Centrifugal		
	Number of pumps	One		
	Drive (V-belt, other)	V-Belt		
	Bearing type	Double Row, Sealed Ball		
By-pass recirculation type (internal, external)		External		
Radiator core type (cellular, tube and fin, other)		Cross Flow, Tube & Corrugated Fin & Supply Tank		
Cooling system capacity	With heater (qt.)	20.0	23.5	
	Without heater (qt.)	19.0	22.5	
	Opt. equipment-specify (qt.)	None		
Water jackets full length of cylinder (yes, no)		Yes		
Water all around cylinder (yes, no)		Yes		
Radiator hose	Lower	Number and type (molded, straight)	One Molded	
		Inside diameter	1.75 2.00	
	Upper	Number and type (molded, straight)	One Molded	
		Inside diameter	1.75 2.00	
	By-pass	Number and type (molded, straight)	One Straight	
		Inside diameter	.82-.87 .85-.90	
	Fan	Number of blades & Spacing	Four Unequal	
		Diameter	18.5	
Ratio-fan to crankshaft rev.		.90 to 1	.93 to 1 (c)	
Fan cutout type		None		
Bearing type		Double Row Sealed Ball (Water Pump Bearing)		
*Drive belts (indicate belt used by letter)	Fan	A	D (d)	
	Generator	A	D	
	Water Pump	A	D	
	Power Steering	B	E	
	Air Conditioning	D	F	

Rev. Form 3-59

* Drive Belt Dimensions	A	B	C	D	E	F	
Angle of V	36°	36°	36°	36°	36°	36°	
Nominal length (SAE)	44.41	38.50	43.3	43.75	37.00	44.24	
Width	.380	.380	.469	.380	.50	.50	

- (a) Power Option on Both Models
 (b) 137-142° F in Cylinder Block
 (c) 1.09 with air conditioning

- (d) Used when Air Conditioning is Installed
 36°
 42.52
 .380

AMA Specifications – Passenger Car

Page 8

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____

MODEL _____ 63A _____ 76A _____

ELECTRICAL—SUPPLY SYSTEM

352 Cu. In.

430 Cu. In. (a)

Battery	Make and Model		Various
	Voltage Rtg. & Total Plates		12 & 66 (Std. & O.D. Trans.) 12 & 78 Auto. Trans. (b)
	SAE Designation & Amp Hr. Rtg		5.5 6.5
	Location		Engine Compartment-Right Front
Generator	Terminal grounded		Negative
	Make		Ford
	Model		----
	Type		Shunt
	Ratio—Gen. to Cr/s rev.		2.25:1
	Gen. cut-in (hot)—engine rpm		625
Regulator	Make		Ford or American Bosch
	Model		----
	Type		Three Coil
	Cutout relay	Closing voltage @ generator rpm	12.4-13.2 @ 75° F @ 1200 RPM
		Reverse current to open	6-9 AMP
	Regulated	Voltage	14.6-15.4 @ 75° F
		Current	28-32
	Voltage test conditions	Temperature	75°F
		Load	5 Amperes
		Other	-----

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Ford
	Model		FAR-11001-A
	Rotation (drive end view)		Clockwise
	Engine cranking speed		150-180 RPM
	Test conditions		85° F
	Lock test	Amps	550
		Volts	5
		Torque (lb. ft.)	15.5
	No load test	Amps	85 Max.
		Volts	12
		RPM (min.)	4500
Motor control	Switch (solenoid, manual)		Solenoid
	Starting procedure		Turn Ignition Key to Right Beyond the "On" Position.

(a) Power Option on Both Models

(b) Mandatory RPO with Automatic Transmission.

Rev. Form 3-59

AMA Specifications – Passenger Car

Page 9

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____

MODEL 63A-76A

ELECTRICAL—STARTING SYSTEM (cont.)

352Cu. In.

430 Cu. In. (a)

Motor Drive	Engagement type		Bendix Fold-Thru	
	Pinion meshes (front, rear)		Rear	
	Number of teeth	Pinion	Synchromesh or Overdrive - 9	- Cruise-o-Matic - 9
		Flywheel	Synchromesh or Overdrive -153	Cruise-o-Matic -153
Flywheel tooth face width		" "	" "	.355-.375 Cruise-o-Matic -.370-.380

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Ford	
	Model		FAC-12029-A	
	Amps	Engine stopped	4.5	
		Engine idling	2.5	
Distributor	Make		Ford	
	Model		FEU-12127	FEW-12127-H
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	0° @ 300	0° @ 600
		Intermediate points deg. @ rpm	17° @ 1800	10° @ 1800
		Max deg. @ rpm	29° @ 4000	29° @ 4000
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	0° @ 1"	0° @ 1"
		Intermediate points, deg @ in Hg	12° @ 10"	10° @ 9"
		Max. deg. in. Hg.	22° @ 15"	21° @ 15"
	Breaker gap (in.)		.014-.016	
	Cam angle (deg.)		26°-28.5°	
Timing	Breaker arm tension (oz.)		17-20	
	Crankshaft deg. @ rpm.		4° Manual & O.D.Trans.-6° Cruise-o-Matic Trans.	
	Mark location		Vibration Damper	
	Cylinder numbering system (see page 2)		RH-1-2-3-4 LH-5-6-7-8	
	Firing order (see page 2)		1-5-4-2-6-3-7-8	
Spark Plug	Make and model		Champion - F-11Y	
	Thread (mm)		18 MM	
	Tightening torque (lb. ft.)		20-30	
	Gap		.032-.036	
Cable	Conductor type		Resistance Core Cable	
	Insulation type		Neoprene Sheath	
	Spark plug protector		Applied "Hypalon" Boot	

ELECTRICAL—SUPPRESSION

Locations & type	Capacitors at the Generator and Voltage Regulator. Resistance Core Cable from Coil to the Distributor and from the Distributor to the Spark Plugs.
------------------	---

Rev. Form 3-59

(a) Power Option on Both Models.

AMA Specifications – Passenger Car

Page 10

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE: ISSUED 9-15-59 REVISED _____
 MODEL 63-A - 76A

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	King Seeley
	Trip odometer (yes, no)	No
Charge indicator—type		Warning Light
Temperature indicator—type		Electric Gage
Oil pressure indicator—type		Warning Light
Fuel indicator—type		Electric Gage
Other		
Ignition switch	Identify positions in order and circuits controlled	To Left: Accessories "On" Only. Center: Accessories and Engine "Off" To Right: First Position; Accessories and Engine "On" Second Position; Starter and Engine "On" with Accessories "Off"
	Provision for illumination	Yes, Lighted by Headlight Switch
	Location	Instrument Cluster
Main light-ing switch	Identify positions and lights controlled	Pull Out - First Position; -Parking, Taillights, License and Instrument Panel Lights. Second Position;-Headlights, Taillights, License and Instrument Panel Lights. Rotate control knob clockwise to dim inst. panel lights and counter-clockwise to brighten & turn dome lamp & courtesy lamp
Other light switches	Locations and lamps controlled	Map lamp switch - controls map lamp on instrument panel. Stop lamp switch - controls two stop lamps. Courtesy lamp switches located in door jam controls dome lamp and courtesy lamps when door is opened. Glove box lamp switch controls glove box lamp when glove box door is opened. Luggage compartment lamp switch controls luggage compartment lamp when door is open.
Other switches	Locations and de-vices controlled	Window lift switches located in console controls all four windows. Four-way seat switch mounted in seat side shield controls power seat. High beam switch located on floor, inside of vehicle, controls headlights.
Windshield wiper	Make	Trico
	Type	Vacuum
	Vacuum booster provision	Yes
	Washer provision	Yes
Horn	Type	Air Electric
	Number used	Two
	Amp draw (each)	10

Page 11

ELECTRICAL—LAMP BULBS

Headlamps & arrangement	Dual Headlight	2-4001 & 2-4002
Headlamp beam indicator	1-2 CP	57
Parking	1034	
Tail	1034	
Stop	1034	
Direction signal	Front	1034
	Rear	1034
	Indicator	2-2CP 57
License plate	2-67	
Instrument	6-2CP	57
Ignition lock	1-2CP	57
Back up	2-1141	
Dome	1-1003	
Clock	2-2.6CP - 1816	
Radio	1-2CP	57
Glove compartment	1-2CP	57
Maplight	1-6CP	89
Luggage Compt.	-67	
Light		
Ash Tray Light	1-2CP	57
Oil Pressure	1-2CP	57
Generator Warning	1-2CP	57
Auto.Trans. Range Ind.	1-1CP	1445

AMA Specifications – Passenger Car

Page 12

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE: ISSUED 9-15-59 REVISED _____

MODEL _____

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lights SFE-10 (a), Direction indicator same as (a).

Headlamp	12 C.B. & 18 C.B. (a) Low Beam 18 C.B. (a) High Beam
Headlamp beam indicator	18 C.B. (a)
Parking light	12 C.B. (b)
Tail light	12 C.B. (b)
Stop light	12 C.B. (b)
Direction indicator	SFE-7.5 (c)
License plate light	12 C.B. (b)
Instrument light	12 C.B. (b)
Ignition light	12 C.B. (b)
Back up light	12 C.B. (b)
Dome light	SFE 7.5 (d) (On Light Switch)
Clock	SFE 1
Clock light	12 C.B. (b)
Radio	SFE 5
Glove compartment light	SFE 7.5 (d)
Overdrive	3AG015 (On Relay)
Power Seats	30 C.B. (e) -10 C.B. (easy access)
Power Windows	15 C.B. -4 places & 30 C.B. (e)
Air Cond.	20 C.B.
Heater	SFE 14
Luggage Compt. Lamp	SFE 7.5 (d)
Map Light	SFE 7.5 (d)
Auto. Trans. Bulb	12 C.B. (b)
Top Control	30 C.B. (e)
Ash Tray Light	12 C.B. (b)

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	24.10
		Highest	
	Stop		24.10
	Backup		24.10
	License, rear		24.10
	Directional	Front	17.54
		Rear	24.10
	Headlamp	Inside	29.04
		Outside*	29.04
Distance from C/L of car to center of bulb	Tail	Inside	22.18
		Outside	28.68
	Stop		22.18 & 28.68
	Backup		15.68
	License, rear		In Bumper
	Directional	Front	31.59
		Rear	28.68
	Headlamp	Inside	25.50
		Outside*	31.59

* If single headlamps are used enter here.

Rev. Form 3-59

AMA Specifications – Passenger Car

Page 13

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE: ISSUED 9-15-59 REVISED _____
 MODEL 63A-76A

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		Long, Dry, Single Plate, Semi-Centrifugal (a)
Type pressure plate springs		Tempered Steel Coil
Total plate pressure (lb.)		1575
No. of clutch driven discs		One
Clutch facing	Material	Woven Asbestos
	Outside & inside dia.	11.0" x 7.0"
	Total eff. area (sq.in.)	113.1
	Thickness	0.125
	Engagement cushioning method	Turbend Disc with Spring Vibration Damper
Release bearing	Type & method of lubrication	Pre-Packed Sealed Ball Thrust
Torsional damping	Methods: springs, friction material	Springs

DRIVE UNITS—TRANSMISSIONS

	352 Cu. In.	430 Cu. In.
Manual (std. or opt.)	Standard	Not Offered
Manual with overdrive (std. or opt.)	Optional	Not Offered
Automatic (std. or opt.)	Optional	Standard

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		Three
Transmission ratios	In first	2.49:1
	In second	1.59:1
	In third	1.00:1
	In fourth	
	In reverse	3.15:1
Synchronous meshing, specify gears		Second and Third
Lubricant	Capacity (pt.)	3.75
	Type recommended	Mild E.P. Gear Oil
	SAE viscosity number	Summer SAE-80
		Winter SAE-80
		Extreme cold SAE-80

(a) 352-4V Engine only.

Rev. Form 3-59

AMA Specifications – Passenger Car

Page 14

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____

MODEL 63A-76A

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		Planetary
	Manual lockout (yes, no)		Yes
	Downshift accelerator control (yes, no)		Yes
	Minimum cut-in speed		28 MPH
	Gear ratio		.72:1
	Lu- bri- cant	Capacity (pt.) (Overdrive only)	.75
		Separate filler (yes, no)	No
		Type recommended	Mild E.P. Gear Oil
		SAE viscosity number	SAE-80
		Summer	SAE-80
		Winter	SAE-80
		Ext. cold	SAE-80

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name		Cruise-o-Matic							
Type describe		Torque Converter with Three Speed				Planetary Gears			
Method of Selection (Lever, Push Button or other)		Lever							
Selector Pattern		P-R-N-D2-D1-Lo							
List gear ratios Selector Pattern and indicate which are used in each selector position		Lo 2.40:1	D1 2.40:1 1.47:1 1.00:1	D2 1.47:1 1.00:1	Rev. 2.00:1	LO 2.37:1	D1 2.37:1 1.84:1 1.00:1	D2 1.84:1 1.00:1	Rev.(a) 1.84:1
Max. upshift speeds—drive range		60-72				64-76			
Max. kickdown speeds—drive range		54-67				58-71			
Torque converter	Number of elements	Three							
	Max. ratio at stall	2.1				2.10			
	Type of cooling (air, water)	Water							
Lubricant	Capacity—refill (pt.)	20				21			
	Type recommended	Automatic Transmission Fluid-Type "A"							

Special transmission

features: Manual Shifting from Drive to Low Range (for braking) is possible with the Cruise-o-Matic Transmission at any speed. In general, however, it is recommended that Manual shifts from Drive to Low be avoided at speeds above 75 MPH.

Low Gear starts with Cruise-O-Matic are possible only when the selector lever is in D1 or Low Range position. When Manual shifting from D1 or D2 Range to Low at speeds of approximately 25 MPH or more, the transmission will automatically select Intermediate Gear. As deceleration continues the transmission will automatically shift to Low at speeds below 25 MPH.

(a) Mandatory Gear Ratio: with 430 Cu. In. Engine.

AMA Specifications – Passenger Car

Page 15

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE: ISSUED 9-15-59 REVISED _____
 MODEL 63A-76A

DRIVE UNITS—PROPELLER SHAFT

Number used			One	
Type (exposed, torque tube)			Exposed	
Outer diameter x length* x wall thickness	Manual transmission		<u>352-4V Engine</u> 3.00 x 51.93 x .065	<u>430 Cu. In. Engine</u> Not Offered
	Overdrive transmission		3.00 x 51.93 x .065	Not Offered
	Automatic transmission		3.00 x 51.93 x .065	3.00 x 48.73 x .065
Inter-mediate bearing	Type (plain, anti-friction)		None	
	Lubrication (fitting, prepack)			
Universal joints	Make		Spicer - 1260	
	Number used		Two	
	Type (ball and trunnion, cross, other)		Cross	
	Bearing	Type (plain, anti-friction)	Needle Roller	
		Lubric. (fitting, prepack)	Fittings	
	Drive taken through (torque tube or arms, springs)		Springs	
Torque taken through (torque tube or arms, springs)		Springs		

DRIVE UNITS—REAR AXLE

Description - (incl. limited slip differential)		Semi-Floating Hypoid	
Drive Pinion Offset		2.25	
No. of differential pinions		2	
Gear ratio and No. of teeth	Automatic transmission	352-4V Engine 3.10:1	430-4V Engine 2.91:1
	Overdrive trans.	3.70:1	Not Offered
	Manual transmission	3.70:1	Not Offered
Ring gear pitch diameter & O.D.		8.750 x 1.375	9.00 x 1.375
Pinion adjustment (shim, other)		Shims	
Pinion bearing adj. (shim, other)		Shims	
Wheel bearing type		Single Row, Double Dealed Ball Bearing	
Lubricant	Capacity (pt.)	4.5	
	Type recommended	Hypoid Extreme Pressure	
	SAE viscosity number	Summer	SAE-90
		Winter	SAE-90
Extreme cold		SAE-80	

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

Rev. Form 3-59

AMA Specifications – Passenger Car

Page 16

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____

MODEL 63A-76A

DRIVE UNITS—WHEELS

Type & material	Stamped Steel Disc
Rim (size and flange type)	14 x 5.5J
Attachment	Stud
Circle diameter	4.5
Number and size	5 - .50 - 20

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	8.00 x 14-4 Ply.
	Type - Nylon, etc.	Rayon-Tubeless
Rev/mile at _____ mph.		772
Inflation press.(cold)	Front	24
	Rear	22

BRAKES—SERVICE

Type (duo-servo, balanced, self adjusting, etc.)	Hydraulic, Duo Servo
Power brake make & type (remote, integral, etc.)	Fixed Anchor-Front -Spindle Anchor-Rear
Effective area (sq. in.)*	Vacuum Assisted
Gross lining area (sq. in.)**	175.32
Percent brake effectiveness—front	208.0
Drum	59
Diameter	11.0 x 2.50
Front	11.0 x 2.50
Rear	Composite, Pressed Steel Disc & Cast Iron Drum
Type and material	Rivited
Bonded or riveted	Molded Asbestos
Material	10.64 x 2.50 x 0.187
Front Shoe	10.64 x 2.50 x 0.187
Size (length x width x thickness)	One
Front wheel	Molded Asbestos
Rear wheel	11.96 x 2.50 x 0.250
Segments per shoe	11.96 x 2.50 x 0.250
Material	One
Rear Shoe	Molded Asbestos
Size (length x width x thickness)	11.96 x 2.50 x 0.250
Front wheel	One
Rear wheel	One
Segments per shoe	One
Wheel cyl-inder bore	1.094
Front	.906
Rear	1.00
Master cylinder bore	7.00
Available pedal travel	775
Line pressure at 100 lb. pedal load	0.010
Shoe clearance adjustment	

* Excludes rivet holes, grooves, chamfers, etc.

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

Rev. Form 3-59

AMA Specifications—Passenger Car

Page 17

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____

MODEL _____

BRAKES—PARKING

Type of control	Foot Operated
Location of control	Finger Tip Release Under Instrument Panel
Operates on	Rear Service Brakes
If separate from service brakes	Type (internal or external) _____
	Drum diameter _____
	Lining size (length x width x thickness) _____

FRAME or UNITIZED CONSTRUCTION

Type and description	Unitized - Fully Welded Construction
----------------------	--------------------------------------

SUSPENSION—GENERAL (See Supplemental page 17 for details on Air Suspension)*

Provision for car leveling	No
Provision for brake dip control	No
Provision for acc. squat control	No
Special provisions for car jacking	No
Shock absorber front & rear	Type _____
	Make _____
	Piston dia. _____
Other special features	Direct
	Gabriel
	1.875

SUSPENSION—FRONT

Type and description	Independent SLA suspension with ball joints and coil spring. Incorporating two unequal length transverse arms.
----------------------	--

(Continued)

Rev. Form 3-59

* Air Suspension:
 Air spring type
 Compressor data
 type
 make
 drive ratio
 Normal operating pressures
 spring rates
 leveling data

AMA Specifications – Passenger Cars

Page 18

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____
 MODEL 63A-76A

SUSPENSION FRONT (cont.)

Spring	Type	Coil	
	Material	Steel	
	Size (coil design height & I.D.; bar length x dia.)	9.6 x 4.03	
	Spring rate (lb. per in.)	400	430 (a)
	Rate at wheel (lb. per in.)	103	---
	Design load (lb. @ design height)	2425 @ 9.60	2500 @ 9.60
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	0.81	

STEERING

Mechanical (std., opt., NA)				Standard	
Power (std., opt., NA)				Optional	
Wheel diameter				17.0	
Turning diameter	Outside front	Wall to wall (l. & r.)		42.69	
		Curb to curb (l. & r.)		40.32	
	Inside rear	Wall to wall (l. & r.)		---	
		Curb to curb (l. & r.)		---	
Outside wheel angle with inside wheel at 20°				17° 7'	
Mechanical	Gear	Type		Recirculating Ball and Nut	
		Make		Ford	
		Ratios	Gear	20:1	
			Overall	25:1	
	No. wheel turns		4.1 (Lock to Lock)		
Power	Type (coaxial, linkage, etc.)		Linkage Booster		
	Make		Bendix		
	Trade name				
	Gear	Type		Linkage	
		Ratios	Gear	20:1	
			Overall	25:1	
	Pump driven by		Belt (Ref. Page 7)		
	Number wheel turns		4.1 (Lock to Lock)		
	Linkage	Type		Parellelogram	
Location (front or rear of wheels, other)		Rear			
Drag link (trans. or longit.)		Transverse			
Tie rods (one or two)		Two			

(a) Mandatory with 430-4V Engine.

(Continued)

Rev. Form 3-59

AMA Specifications – Passenger Car

Page 19

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____

MODEL 63A-76A

STEERING (cont)

Steering Axis	Inclination at camber (deg.)		6° 45' with 1° Camber (Curb Weight)
	Bearings (type)	Upper	Ball Joint
		Lower	Ball Joint
		Thrust	Bearing in Lower Ball Joint
Wheel alignment (range and preferred)	Caster (deg.)		.50° to 1.50° (Curb Weight)
	Camber (deg.)		.50° to 1.50° (Curb Weight)
	Toe-in (outside tread-inches)		.0625 to 0.125
	Steering spindle & joint type		Ball Socket Joints
Wheel spindle	Diameter	Inner bearing	1.12 I.D.
		Outer bearing	.75 I.D.
	Thread size		.75-16 NF3
	Bearing type		Tapper Roller

SUSPENSION—REAR

Type and description			Hotchkiss	
Drive and torq. taken through (see page 15)			Springs	
Spring	Type		Leaf	
	Material		Spring Steel - SAE-5160	
	Size (length x width, coil design height and I.D.; bar length & dia.)		55 X 2.0	
	Spring rate (lb. per in.)		130	
	Rate at wheel (lb. per in.)		---	
	Design load (lb. at design height)		985	
	Mounting insulation type		Rubber Pads	
	If leaf	No. of leaves		Six
		Inserts	Type and size	Leaf Tip Liners
			Material	Plastic or Wax Impregnated Cloth
Shackle (comp. or tens.)		Tension		
Stabilizer	Type (link, linkless, frameless)		None	
	Material		None	
Track bar type			None	

Rev. Form 3-59

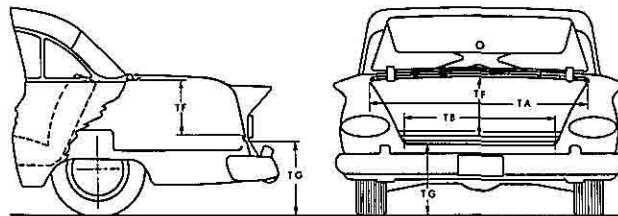
MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____

BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been adopted by S.A.E. These are indicated by a number following the type of dimension, e.g. L 3. Additional dimensions have been added by the AMA Specifications Body Subcommittee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. Symbol "a" added as suffix to SAE dimensions indicates an AMA modification. The dimensions are developed from the following basic points:

1. Body Dimensions are for all basic body models as indicated.
2. All interior dimensions are taken 15" outboard of car centerline (C/L) unless otherwise stated.
3. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
4. Depressed "A" point is the lowest point on the seat cushion depressed contour.
5. Front seat is in full down and normal rear position.
6. Unless otherwise specified all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front, 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
7. DLO (Daylight opening - pages 22 & 24).
8. For further clarification of definitions see SAE Aeronautical—Automotive Drawing Standards, Section E-1.

BODY—TRUNK DIMENSIONS



MODEL	63A	76A
Usable trunk luggage capacity (See Section E-1 of SAE Automotive Drawing Standards)	(a)	
Total trunk volume in cu. ft. with spare tire in place	20.5 Cu. Ft.	
TA—Width across the top	63.7	
TB—Width across the bottom	62.2	
TF—Vertical dimension at C/L from bottom to top of opening		
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal - loaded)	24.1	
Position of spare tire stowage	Rear Center of Trunk on Angle to Vertical	
Method of holding lid open	Spring Counterbalance	

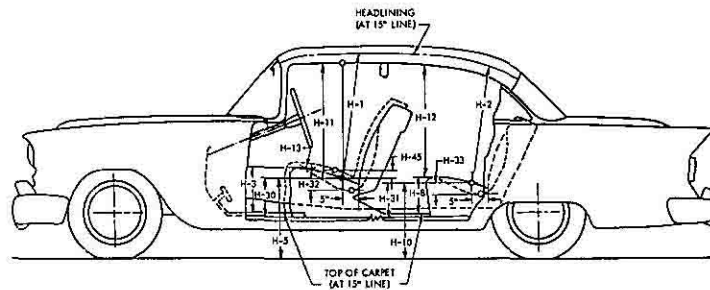
(a) Luggage Items	Number	Volume Cu. Ft. Each
Men's Two Suiter	2	1.93 Total - 9.00
Ladies Pullman	2	2.01 with spare tire
Ladies Traincase	2	.56 in place.

AMA Specifications – Passenger Car

Page 21

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED

BODY—HEIGHT DIMENSIONS—INTERIOR



MODEL	63A	76A
H1. Front headroom. Free "A" pt. to headlining at 8° back of vertical. (For "A" pt. see note 3, page 20)	34.54	35.32
H2. Rear headroom. Free "A" pt. to headlining at 8° back of vertical	33.30	33.58
H3. Front cushion height above floor carpet at front edge of cushion. (Ignore risers)	10.97	
H5. Free "A" pt. to ground, front. Measured vertically	17.33	
H8. Rear cushion height above floor carpet at front edge of cushion. (Ignore risers)	13.06	13.06
H10. Free "A" point to ground rear. Measured vertically	17.97	17.97
H11. Entrance, front. Free "A" point to bottom of windcord, vertical	30.28	30.23
H12. Entrance, rear. Top of cushion to bottom of windcord at front edge of rear seat	-----	
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance)	5.74	
H30. Free "A" point reference height, front. Vertical dimension to SAE horizontal reference line	10.34	
H31. Free "A" point reference height, rear. Vertical dimension to SAE horizontal reference line	10.88	
H32. Front seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	3.70	
H33. Rear seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	4.71	
H45. Front seat maximum vertical rise at free "A" point	1.51	

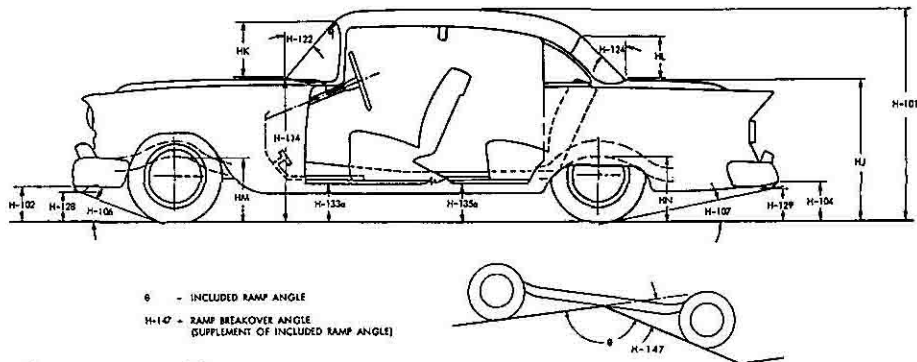
Rev. Form 3-59

AMA Specifications— Passenger Car

Page 22

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE: ISSUED 9-15-59 REVISED _____

BODY—HEIGHT DIMENSIONS—EXTERIOR



NOTE: For dimensions to lamps see page 12.

MODEL	63A	76A
H101. Overall height, full design load	52.48	53.07
HB. Overall height, curb weight	54.17	54.76
H102. Front bumper bottom to ground at normal section, min. height	10.71	
H104. Rear bumper bottom to ground at normal section, min. height	10.60	
H106. Angle of approach. To interfering point on bumper, guard, other	19° 39'	
H107. Angle of departure. To interfering point on bumper, guard, other	13° 7'	
H114. Hood at rear to ground. Vertical dimension C/L, excluding molding, at hood opening line at cowl	36.60	
H122. Windshield normal slope angle to vertical line on car C/L	44°	
H124. Backlight normal slope angle to vertical line on car C/L	33° 35'	40° 40'
H128. Bottom of front bumper guard to ground	---	
H129. Bottom of rear bumper guard to ground	---	
H133a. Bottom of front door to ground, min. dimension	10.1	
H135a. Bottom of rear door to ground, min. dimension	---	
H147. Ramp breakover angle	12° 28'	
H153. Min. road clearance at rear axle	7.24	
H156. Min. road clearance and location	5.90 (Spare Tirewell)	
HJ. Deck at rear window to ground	34.52	34.39
HK. Windshield DLO*. Vertical height at C/L	12.6	
HL. Back light DLO*. Vertical height at C/L	12.5	12.7
HM. Bottom of frame to ground at C/L of front axle, min. height	19.53	19.53
HN. Bottom of frame to ground at C/L of rear axle, min. height.	17.45	17.45

* See Note, page 20

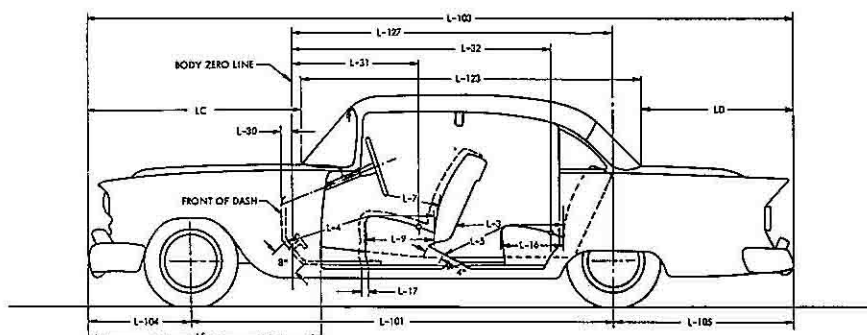
Rev. Form 3-59

AMA Specifications—Passenger Car

Page 23

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE: ISSUED 9-15-59 REVISED

BODY—LENGTH DIMENSIONS



MODEL		63A	76A
Interior	L3. Rear compartment room. Back of front seat back to front of rear seat back	26.20	
	L4. Leg room, front. Ball of foot to top of seat to seat back	43.36	
	L5. Leg room, rear. Ball of foot to top of seat to seat back	38.07	
	L7. Steering wheel clearance to seat back taken on arc	14.36	
	L9. Front seat depth. Front edge to vert. tan. of seat back	17.69	
	L16. Rear seat depth. Front edge to vert. tan. of seat back	18.82	
	L17. Maximum "A" point horizontal travel with normal seat adjustment	4.00	
	L30. Vertical body zero line to actual front of dash. Measured horizontally*	.90	
	L31. Vertical body zero line to free "A" point, front	37.84	
	L32. Vertical body zero line to free "A" point, rear	68.33	
Exterior	L101. Wheelbase	113.0	
	L103. Overall length. Incl. bumper guards if standard equipment	205.32	
	L104. Overhang, front. Include bumper guards if stand. eq.	35.62	
	L105. Overhang, rear. Include bumper guards if stand. eq.	56.70	
	L123a. Body upper structure length at C/L, excl. molding	86.83	89.83
	L127. Vertical body zero line to centerline of rear wheels	88.50	
	LC. Front of car to base windshield, excl. molding	67.53	
	LD. Rear of car to base of rear window or upper structure, excl. molding	50.96	47.96
	LE. Front of car to front edge of front door	74.78	

* Precede figure with minus sign if front of dash is to rear of body zero line.

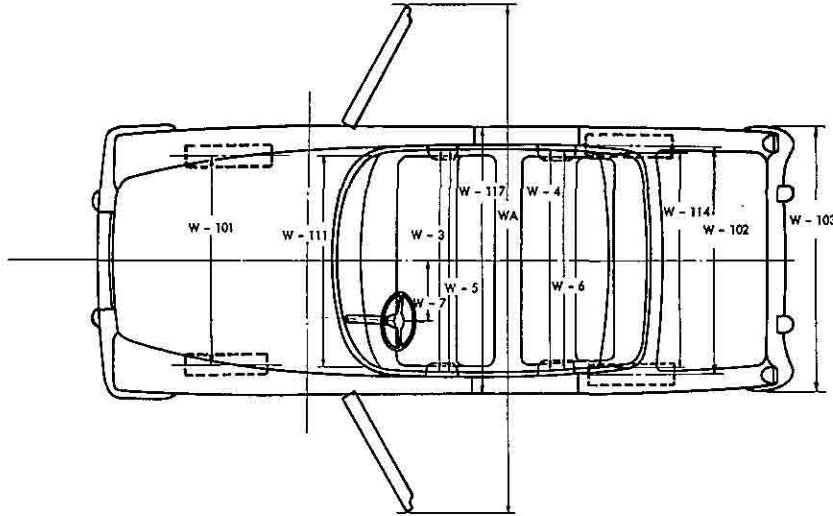
Rev. Form 3-59

AMA Specifications—Passenger Car

Page 24

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE: ISSUED 9-15-59 REVISED _____

BODY—WIDTH DIMENSIONS



MODEL		63A	76A
Interior	W3. Front shoulder room, at garnish molding height or nearest interference 5" forward of seat back		56.24
	W4. Rear shoulder room, at garnish molding height or nearest interference 5" forward of seat back		54.10
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back		59.60
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back		48.70
	W7. Steering wheel center (on surface plane of wheel) to C/L of body		16.50
Exterior	W101. Front tread at ground		60.00
	W102. Rear tread at ground		57.00
	W103. Max. overall width of car including bumpers or moldings		76.96 (At Front Bumper)
	WA. Max. overall width of car with doors open (2 & 4 door)		163.28
	W111. Windshield DLO, max. width		60.14
	W114. Back window DLO, max. width	54.14	44.25
	W117. Max. body width at center pillar, less hardware and applied moldings		74.74

Rev. Form 3-59

AMA Specifications -- Passenger Car

Page 26

MAKE OF CAR THUNDERBIRD MODEL YEAR 1960 DATE ISSUED 9-15-59 REVISED _____
 MODEL 63A | 76A

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front
	Rear doors	None
Type of finish (lacquer, enamel, other)		Enamel
Hood hinge location (front, rear)		Front
Hood counterbalanced (yes, no)		Yes
Hood release control (internal, external)		Internal
Vehicle (Serial) No. Location		Left Door Pillar
Engine No. Location		On Engine Block
Theft protection - type		Door Locks
Vent window control method (crank, friction pivot)	Front	Friction-Pivot
	Rear	
Seat spring type (coil, zigzag, etc.)		
Windshield type (single curved, compound curved, other)		One-Piece - Curved
Rear window type (flat, curved, one piece, three piece)		One-Piece - Flat
Side glass type (curved, flat)		Flat
Side glass exposed surface area	913.0	913.0
Windshield glass exposed surface area		1250.0
Backlight glass exposed surface area	750.0 Sq. in.	613.0 Sq. in.
Total glass exposed surface area	2913.0 Sq. in.	2776.0 Sq. in.

BODY—TYPES AND STYLE NAMES—

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

BODY STYLES:

Hardtop -Tudor
 Convertible - Tudor

CODES

63A 4-Passenger
 76A 4-Passenger

Page 27

MAJOR OPTIONAL ITEMS - WEIGHTS

Rev. Form 3-59

INDEX

SUBJECT	PAGE NO.	SUBJECT	PAGE NO.
Air Suspension	17	Lamp Bulbs	11
Angles of Approach, Departure	22	Lamp Height & Spacing	12
Automatic Transmission	1, 14	Legroom	23
Axis, Steering	19	Lengths – Car, & Body Interior	1, 23
Axle, Rear	1, 15	Lifters, Valve	4
Battery	8	Linings – Clutch, Brake	13, 16
Bearings, Engine	3, 4, 7	Lubrication	5, 6, 13, 14, 15
Belts – Fan, Generator, Water Pump	7	Motor, Starting	8
Body – General Information, Types	20-26	Muffler	6
Height Dimensions	21, 22	Overdrive	14
Length Dimensions	23	Piston Pins & Rings	3
Overall Dimensions	1, 22, 23, 24	Pistons	2, 3
Trunk Capacities, Opening Dimensions	20	Power Brakes	16
Width Dimensions	24	Power Steering	18
Brakes – Parking, Service, Power	16, 17	Propeller Shaft, Universal Joints	15
Camber	19	Pumps – Oil, Fuel	6
Camshaft	4	Water	7
Capacities		Radiator, Hoses	7
Cooling System	7	Ramp Break-over Angle	22
Fuel Tank	6	Ratios – Axle	1, 15
Lubricants		Compression	1, 2
Engine Crankcase	6	Steering	18
Transmission and Overdrive	13, 14	Transmission	13, 14
Rear Axle	15	Rear Axle	1, 15
Carburetor	6	Regulator – Generator	8
Caster	19	Rims	16
Choke, Automatic	6	Rings, Piston	3
Circuit Breakers, Fuses	12	Rods – Connecting	3
Clearance, Ground	22	Shock Absorbers, Front & Rear	17
Clutch – Pedal Operated	13	Spark Plugs	9
Coil, Ignition	9	Speedometer	10
Connecting Rods	3	Springs – Front & Rear Suspension	18, 19
Cooling System	7	Valve, Engine	5
Crankshaft	4	Stabilizer (Sway Bar) – Front & Rear	18, 19
Cylinders and Cylinder Head	2	Starting Motor	8
Distributor – Ignition	9	Steering	18, 19
Electrical System	8, 9, 10, 11, 12	Suppression – Ignition, Radio	9
Engine		Suspension – Front & Rear	17, 18, 19
Bore, Stroke, Displacement, Type	1, 2	Switches	10
Compression Ratio	1, 2	Tailpipe	6
Firing Order, Cylinder Numbering	2, 9	Thermostat, Cooling	7
General Information, H.P. & Torque	1, 2	Timing, Engine & Valve	4, 5, 9
Lubrication	5, 6	Tires	1, 16
Exhaust System	6	Toe in	19
Fan, Cooling	7	Torque Converter	14
Filters – Engine Oil, Fuel System	6	Torque – Engine, Rated	1, 2
Frame	17	Transmission – Types	1, 13, 14
Front Suspension	17, 18	Automatic	1, 14
Fuel, Fuel Pump, Fuel System	1, 2, 6	Manual & Overdrive	13, 14
Fuel Injection	1, 6	Ratios	13, 14
Fuses, Circuit Breakers	12	Tread	1, 24
Generator and Regulator	8	Turning Diameter	18
Glass	22, 24, 26	Unitized Construction	17
Height (Lamps)	12	Universal Joints, Propeller Shaft	15
Headroom – Body	21	Valves – Intake & Exhaust	4, 5
Heights – Car & Body	1, 21, 22	Vibration Damper	4
Hood	26	Voltage Regulator	8
Horns	10	Water Pump	7
Horsepower – Brake, Rated, Taxable	1, 2	Weights – Shipping, Curb	27
Ignition System	9	Wheel Alignment	19
Inflation – Tires	16	Wheelbase	1, 23
Instruments	6, 10	Wheels & Tires	16
Kingpin (Steering Axis)	19	Wheel Spindle	19
		Widths – Car & Body	1, 24
		Windshield	22, 24, 26
		Windshield Wiper	10