**ELECTRICAL SYSTEM**

**BATTERY - 12 VOLT**

FORD - No. 2900424 or 2700015
Capacity: 55 Amps, Hour (20 Hour Rate)
Negative Terminal Grounded

**STARTING MOTOR**

- **VOLTAGE** - 12 Volts
- **CURRENT** - 85 Max, Amps
- **TORQUE** (Stalled) - 15.5 Ft. Lbs.
- **STARTER SWITCH** - Part No. FDR-11450-A

**DISTRIBUTOR**

- **FORD** - No. 88A-12127-K
  - Breaker Contact Gap: .014" - .016"
  - Cam Angle: 25° - 28.5°
  - Breaker Arm Spring Tension: 17 - 20 oz.
  - Condenser: HOLLEY Part No. 86D-68AS
  - Capacity: .21 - .25 Mfd.

**REGULATOR**

- FORD - No. 2900424 or 2700015
  - Cut-Out Relay: Close 12.4 to 13.2 Volts; open 2 - 6 Amps, reverse current.
  - Current Regulator: 28 - 32 Amps.
  - Voltage Regulator: 14.6 to 15.4 Volts with 5 ampere load at 75° F. ambient temperature.

**FUEL SYSTEM**

**FUEL PUMP**

- **AC** - Type 4487
  - Capacity: 1 Pint in 20 seconds
  - Pressure: 4-1/2 lbs., minimum; 6-1/2 lbs. maximum
  - Vacuum Test: 10" Hg., minimum at 500 R.P.M.

**CARBURETOR**

- **FORD** - 88A-9510-E
  - Fuel Level: 0.910" below machined surface of main body
  - Float Setting: 0.435"-0.465" from machined surface of main body to top of free end of float with float in uppermost position.

**SPARK PLUGS**

- **CHAMPION** - Type F-11-Y
  - Gap: .035" Size 18mm
  - Use Round Wire Gauge

**IGNITION COIL**

- **FORD** - No. FAC-12029-A
  - Servicing Coil No. 86A-12029-A

**FIRING ORDER**

1-3-4-2-6-5-3-1-B

**CLIP**

**IGNITION TIMING**

Breaker points open 3° before top dead center (Std. Trans. and Overdrive); 6° before top dead center (Auto. Trans.).
Timing mark on vibration damper.

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CARBURETOR (Cont’d)
you are allowed two graduations either side of index.
Idle Engine Speed - Idle engine at 475-500 R.P.M. (Standard
Trans.) in "neutral", Idle at 425-450 R.P.M. (Fordomatic)
in "drive".

NOTE: The SYMBOL "hg" used on this chart designates
"Inches Vacuum" (Mercury).

Original equipment service parts and accurate work
to manufacturers’ specifications with proper tools
and equipment will restore original performance.

MISCELLANEOUS

VALVES

VALVE CLEARANCE - Hydraulic Valve Lifters

VALVE TIMING - Inlet valves open at 22° before top
dead center.

COOLING SYSTEM

Capacity - 19.5 Quarts without heater (U.S. Measure)
Thermostat - Opens at 177° - 182° F.

WINDSHIELD WIPER

TRICO -
Service Motor No. CPDM-2-17
Wiper Arm (both sides) No. AL-80
Wiper Blade (both sides) No. PR-13-2
Linkage (driver side) No. 89592-J
(poss. side) No. 89591-J

ADDITIONAL SPECIFICATIONS

Gauges - KING-SEELEY
Temperature Gauge - Dash Unit No. FEV-9307-B
Motor Unit No. FEG-10884-B
Oil Pressure Switch - No. FDA-9278-A1
Gasoline Gauge - Dash Unit No. FEV-9307-B
Tank Unit No. PEV-9275-F
Voltage Regulator for Gauges - No. FEG-10804-B

Speedometer - KING-SEELEY No. 54901
Cable - STEWART-WARNER No. 446249 - 50" (Standard)
No. 446249 - 57" (Automatic)

Tachometer Cable - No. 446226 - 37"

Crankcase Capacity - 5 Quarts (U.S. Measure)
Added 1 Quart for filter change.

Recommended Tire Pressure -
Cold - 24 lbs. front, 22 lbs. rear

Ignition Lock - BRIGGS & STRATTON
Key Series FL000 - FL999
Key Blank Part No. 32616
Lock Part No. 601094

Ignition Lock - HURD
Key Series FL000 - FL999
Key Blank Part No. 9680
Lock Part No. 44-703
**THUNDERBIRD 1959**

**352 & 430 CUBIC INCH ENGINE**

### A. E. A. TUNE-UP SYSTEM

**Standards of Adjustment**

#### ELECTRICAL SYSTEM

**BATTERY - 12 VOLT**

FORD  
Capacity - 55 Amps, Hour  
Negative Terminal Grounded

#### STARTING MOTOR

**FORD**  
No. FAR-11001-A (352); 2900550 (430)  
Drive - BENDIX No. A-3257

**FREE RUNNING SPEED**  
4500 R.P.M.  
85 Max. Amps. 12.0 Volts

**LOCK TORQUE (Stalled)**  
15.5 Ft. Lbs.  
550 Max. Amps. 5.0 Volts

#### GENERATOR

**FORD**  
No. FGZ-10000-A (430)  
No. 2900643 (352)

**BRUSH SPRING TENSION**  
32 - 40 oz.

**MAXIMUM CONTROLLED OUTPUT**  
Cold - 30 Amps, 15 Volts at 2450 R.P.M. of Generator

**ROTATION** - Clockwise (viewing drive end)

#### REGULATOR

**HOLLEY**  
No. 888-WR-3  
Cut-Out Relay - Close 12.0 to 12.8 Volts; open 2 - 9 Amps, reverse current.

Current Regulator - 28 - 32 Amps.

Voltage Regulator - 14.6 to 15.4 volts with 5 ampere load at 75°F, ambient temperature.

#### DISTRIBUTOR

**FORD**  
No. FEU-12127-N (352) Early; 89AF-12127-D (Late)  
No. FEW-12127-H (430) Early; 89MF-12127-B (Late)

Breaker Contact Gap - .014" - .016"

Cam Angle 26° - 28.5°

Breaker Contact Set - HOLLEY Part No. 760-166AS  
Breaker Arm Spring Tension - 17 - 20 oz.

Condenser - HOLLEY Part No. 86D-66AS  
Capacity - .21 - .25 Mfd.

Rotation - Counterclockwise (Viewed from top of distributor)

**352 CU. IN. ENGINE**

Centrifugal Advance

<table>
<thead>
<tr>
<th>R.P.M.</th>
<th>Degrees Advance</th>
<th>1°</th>
<th>Degrees Advance</th>
</tr>
</thead>
<tbody>
<tr>
<td>425</td>
<td>0°</td>
<td>1°</td>
<td>3-3/4°</td>
</tr>
<tr>
<td>500</td>
<td>1/2°</td>
<td>1/2°</td>
<td>4-1/2°</td>
</tr>
<tr>
<td>700</td>
<td>2°</td>
<td>2°</td>
<td>7-1/2°</td>
</tr>
<tr>
<td>1000</td>
<td>3°</td>
<td>3°</td>
<td>10°</td>
</tr>
<tr>
<td>2000</td>
<td>4-1/2°</td>
<td>4-1/2°</td>
<td>13-3/4°</td>
</tr>
</tbody>
</table>

**430 CU. IN. ENGINE**

<table>
<thead>
<tr>
<th>R.P.M.</th>
<th>Degrees Advance</th>
<th>1°</th>
<th>Degrees Advance</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>0°</td>
<td>0°</td>
<td>3-1/2°</td>
</tr>
<tr>
<td>525</td>
<td>1/2°</td>
<td>1/2°</td>
<td>6-1/2°</td>
</tr>
<tr>
<td>2000</td>
<td>14°</td>
<td>14°</td>
<td>9-1/2°</td>
</tr>
</tbody>
</table>

@ 1000 Dist. R.P.M.

#### SPARK PLUGS

**CHAMPION**  
Type F-11-Y Gap .035" Size 18mm.

Use Round Wire Gauge

#### IGNITION COIL

**FORD**  
No. FAC-12029-A  
**HOLLEY**  
86D-61AS

**SERVICING COIL No. 86A-12029-A (Ford)**

86D-61AS (Holley)

#### IGNITION TIMING

Breaker points open 3° before top dead center (Std., Trans., and Overdrive); 6° before top dead center (Auto. Trans.)

Timing mark on vibration damper.

#### FUEL SYSTEM

**FUEL PUMP**

AC - Type 4713  
Capacity - 1 Pint in 20 seconds  
Pressure - 4-1/2 lbs., minimum; 6-1/2 lbs., maximum

Vacuum Test - 10" hg., minimum at 500 R.P.M.

#### CARBURETOR

**FORD**  
352 cu. in. Engine - No. 89A-9510-E *(See Note)*

**IDLE ENGINE SPEED**  
600 R.P.M. (Std., & Overdrive)  
500 R.P.M. (Auto., Trans.)

Idle Needles - 1-1/2 turns open.

**FIXED JETS** - Primary (54) - 066-9533  
Secondary (65) - 5GA-9533A

**CLIMATIC CONTROL** - Set at index.

**FAST IDLE ADJUSTMENT** - Turn fast idle speed adjusting screw 1/4 - 1/2 turns off the lowest step on the fast idle cam.

**FLOAT LEVEL** - .0435" - .0465" from top of float to main body surface.

**SECONDARY THROTTLE PLATE ADJUSTMENT** - .009" clearance between secondary throttle shaft lever adjusting screw and secondary throttle lever.

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CARBURETOR (Cont'd.)

DASHPOT ADJUSTMENT - .035" - .050" clearance between dashpot plunger and lever.

NOTE: Carburetor and Fixed Jets may change during the year - See Ford Manual for correct numbers.

CARTER - AFB - No. 2853S (430 cu. in. Engine)
FLOT LEVEL - 3/16" between top of floats at outer end and air horn gasket.
FLOT DROP - 23/32" between top of floats at outer end and air horn gasket.


FIXED JETS -
Primary Metering Jet - Part No. 120-166
Secondary Metering Jet - Part No. 120-165

CLIMATIC CONTROL - Set at index.

PUMP ADJUSTMENT - 22/64" from the top of the bowl cover to the top of the plunger shaft with throttle connector rod in center hole (medium stroke) of pump arm.

FAST IDLE ADJUSTMENT - .040" between lower edge of valve and bore with adjusting screw on index mark of arm.

UNLOADER ADJUSTMENT - 1/8" between upper edge of choke valve and inner wall of air horn.

DASHPOT ADJUSTMENT - 7/16" from top of the bowl cover to the top of the plunger shaft with primary throttle wide open.

NOTE: The SYMBOL "hg. used on this chart designates "Inches Vacuum" (Mercury).

Original equipment service parts and accurate work to manufacturers' specifications with proper tools and equipment will restore original performance.

MICROSCOPES

VALVES

VALVE CLEARANCE - Hydraulic Valve Lifters
VALVE TIMING - Inlet valves open at 22° before top dead center.

COOLING SYSTEM

Capacity - 20 Quarts without heater (U.S. Measure)
Thermostat - Opens at 157° - 162° F.

WINDSHIELD WIPER

TRICO -
Service Motor No. CPDM-11-39
Wiper Arm (both sides) No. AL-60
Wiper Blade (both sides) No. PR-13-2
Linkage (driver side) No. G-8952-J
(pass. side) No. G-89591-J

ADDITIONAL SPECIFICATIONS

GAUGES - KING-SEELEY -
Fuel & Temperature Gauges - Dash Unit No. B95-9280-A
Temperature Gauge - Motor Unit No. B7A-10804-A
Gasoline Gauge - Tank Unit No. B85-9275A
Oil Pressure Signal Switch - Motor Unit No. B6A-9278-B
Voltage Regulator for Gauges - B7A-10804-B

SPEEDOMETER - KING-SEELEY - No. 56650
STEWART-WARNER -
Complete Shaft - No. 4024 - 50" (Std.)
Inner Core - No. SR-50
STEWART-WARNER -
Complete Shaft - No. 4024 - 57" (Auto.)
Inner Core - No. SR-57

CRANKCASE CAPACITY - 5 Quarts (U.S. Measure)
Add 1 Quart for filter change.

RECOMMENDED TIRE PRESSURE -
Cold - 24 lbs. front, 24 lbs. rear

IGNITION LOCK - HURD
Key Series FE000 - FE999
Key Blank Part No. 9524
Lock Part No. 46-316

OIL FILTER - PUROLATOR
Refill - PER-1

IDLE ENGINE SPEED - 600 R.P.M. (STANDARD & OVERDRIVE TRANS.)
500 R.P.M. (AUTOMATIC TRANS.)
Idle Needle Valves - 1-1/2 turns from bottom.

FIXED JETS - Primary (54) - 064-9533
Secondary (65) - 5GA-9533A

CLIMATIC CONTROL - Set at index.

FAST IDLE ADJUSTMENT - Turn fast idle speed adjusting screw 1/4 - 1/2 turns off the lowest step on the fast idle cam.

FLOAT LEVEL - .0435 - .0465 from top of float to main body surface.

SECONDARY THROTTLE PLATE ADJUSTMENT - 0.009" clearance between secondary throttle shaft lever adjusting screw and secondary throttle lever.

DASHPOT ADJUSTMENT - .035" - .050" clearance between dashpot plunger and lever.
### Ignition (Interim Specification Chart)

<table>
<thead>
<tr>
<th>SPARK PLUGS</th>
<th>DISTRIBUTOR</th>
<th>IGNITION</th>
<th>COIL</th>
<th>IGNITION TIMING</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE 18 mm.</td>
<td>BREAKER CONTACT GAP - .014&quot; - .016&quot;</td>
<td>CAM ANGLE 26° - 28.5°</td>
<td>FORD No. 860-51A</td>
<td>Breaker points to open 3&quot; before top dead center (standard transmission &amp; overdrive); 4&quot; before top dead center (automatic transmission). Timing mark on vibration damper.</td>
</tr>
<tr>
<td>GAP .035&quot;</td>
<td>BREAKER CONTACT SET - HOLLEY Part No. 760-166AS</td>
<td>ARM SPRING TENSION - 17&quot; - 20 oz.</td>
<td>servicing COIL 860-71A</td>
<td></td>
</tr>
<tr>
<td>CHAMPION Type F-11-Y</td>
<td>CONDENSER - HOLLEY Part No. 860-68A</td>
<td>CAPACITY .21 - .25 Mfd.</td>
<td>ROTATION - Counter-clockwise (Viewed from top of distributor)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FIRING ORDER 1-5-4-2</td>
<td></td>
<td>DISTRIBUTOR ADVANCE SPECIFICATIONS - (See below) 1&quot;</td>
<td></td>
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<td></td>
<td>6-3-7-8</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

### Starting & Lighting

<table>
<thead>
<tr>
<th>BATTERY</th>
<th>STARTING MOTOR</th>
<th>GENERATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORD No. 11001-A</td>
<td>FORD No. 290042</td>
<td>FORD No. 290042</td>
</tr>
<tr>
<td>CAPACITY - 55 Amp. Hour</td>
<td>MAXIMUM CONTROLLED OUTPUT:</td>
<td>MAXIMUM CONTROLLED OUTPUT:</td>
</tr>
<tr>
<td>DRIVE - BENDIX No. A-3257</td>
<td>Cold - 30 Amps.</td>
<td>Cold - 30 Amps.</td>
</tr>
<tr>
<td>FREE RUNNING SPEED - 4500 R.P.M.</td>
<td>15 Volts at 2400 R.P.M., of Generator</td>
<td>15 Volts at 2400 R.P.M., of Generator</td>
</tr>
<tr>
<td>LOCK TORQUE (STALLED) - 15.5 Ft. Lbs.</td>
<td>REGULATOR - HOLLEY No. 888-VR-3</td>
<td>REGULATOR - HOLLEY No. 888-VR-3</td>
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<tr>
<td></td>
<td>85 Amps. 12.0 Volts</td>
<td>(See below) 2&quot;</td>
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<tr>
<td></td>
<td></td>
<td>BRUSH SPRING TENSION - 32 - 40</td>
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<td></td>
<td></td>
<td>ROTATION - Clockwise (Viewing drive end)</td>
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</tbody>
</table>

### Valves

<table>
<thead>
<tr>
<th>CLEARANCE</th>
<th>TIMING</th>
<th>CARBURETION</th>
<th>FUEL LEVEL</th>
<th>ADDITIONAL SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDRAULIC VALVE LIFTERS</td>
<td>CARTER - No. 28535</td>
<td>INTAKE VALVES - Open at 22″ before top dead center.</td>
<td>FLOAT LEVEL - 3/16&quot;</td>
<td>COOLING SYSTEM -</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>between top of floats at outer end and air horn gasket.</td>
<td>CAPACITY - 20 qts. without heater (U.S. Measure)</td>
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<td>THERMOSTAT - Opens at 157° - 162° F.</td>
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<td>CRANKCASE CAPACITY - 5 qarts (U.S. Measure)</td>
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<td></td>
<td></td>
<td>GAUGES - KING-SEELEY</td>
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<td></td>
<td>Fuel &amp; Temperature Gauge</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>- Dash Unit No. 2702665</td>
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<td></td>
<td>- Motor Unit No. PE-10864-8</td>
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<td>- Gas Gauge Assembly (3) 275F</td>
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<td>- Oil Pressure Gauge - Motor Unit No. 9275A</td>
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<td></td>
<td>- Gas Gauge Assembly (4) 105F</td>
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<td>- Voltage Regulator for Gauges - 6A7F-10864-A</td>
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<td></td>
<td>- SPEEDOMETER - KING-SEELEY No. 56650</td>
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<td></td>
<td>- Cable - STEWART-WARNER No. 446249 - 50&quot; (Std.)</td>
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<td></td>
<td>- .446249 - 57&quot; (Auto.)</td>
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<td>FUEL PUMP - AC No. 4713</td>
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<td>PRESSURE - 4-1/2 lbs. minimum 6-1/2 lbs. max.</td>
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<td>RECOMMENDED TIRED PRESSURE -</td>
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<td></td>
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<td>- Cold - 24 lbs. front, 24 lbs. rear</td>
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<td>WINDSHIELD WIPER - TRICO</td>
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<td>Service Motor No. CPH-1139</td>
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<td>Arm (Both Sides) AL-60</td>
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<td>Blade (Both Sides) PR-13-2</td>
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<td>Linkage (Driver Side) G-49922-J-1</td>
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<td>IGNITION LOCK - BRIGGS &amp; STRATTON</td>
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<td>Key Series FD000 - FE999</td>
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<td>Key Blank No. 32038</td>
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<td>Lock Part No. 661659</td>
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</tbody>
</table>

### Additional Information - This information applies to the items of equipment shown above, which are marked as follows:

1* Distributor Advance Specifications - FEU-12127-N

<table>
<thead>
<tr>
<th>Centrifugal Advance</th>
<th>Vacuum Advance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dist. R.P.M.</td>
<td>Degrees Advance</td>
</tr>
<tr>
<td>425</td>
<td>0°</td>
</tr>
<tr>
<td>500</td>
<td>1/2&quot; - 1-1/2&quot;</td>
</tr>
<tr>
<td>700</td>
<td>1&quot; - 5-1/2&quot;</td>
</tr>
<tr>
<td>1000</td>
<td>2-1/4&quot; - 8-3/4&quot;</td>
</tr>
<tr>
<td>2000</td>
<td>13-1/4&quot; - 14-3/4&quot;</td>
</tr>
</tbody>
</table>

2* CURRENT - VOLTAGE REGULATOR ADJUSTMENT -
Cut-out Relay - Close 12.0 to 12.8 Volts. Open 2 to 9 Amps. reverse current.
Current Regulator - 28 to 32 amperes.
Voltage Regulator - 14.6 to 15.4 Volts at 75° F, ambient temperature.
THUNDERBIRD 1960
352 & 430 CUBIC INCH ENGINE

A.E.A.
TUNE-UP SYSTEM

MODELS 63A & 76A

STANDARDS OF ADJUSTMENT

CARBURETOR (Cont'd.)

MAIN METERING JET IDENTIFICATION NO.
PRIMARY
0-5000 feet .................................. COAE-9510-J No. 54
5000-10,000 feet ................................ COAE-9510-K No. 53
10,000-15,000 feet ................................ COAE-9510-K No. 52
SECONDARY
0-5000 feet .................................. No. 63
5000-10,000 feet ................................ No. 61
10,000-15,000 feet ................................ No. 59
POWER VALVE IDENTIFICATION NO.
None
500-10,000 feet .................................. No. 65
10,000-15,000 feet ................................ No. 55
DRY FLOAT SETTING (FOR INITIAL SETTING ONLY): Primary and Seconda...
FORD FOUR-BARREL CARBURETOR -
Thunderbird 352 Special V-8 carburetor Nos. COAE-9510-J and -K only. The number is stamped on the left side of the primary fuel bowl. Carburetor is to be used with distributor No. COAF-12127-B.

MAIN METERING JET IDENTIFICATION NO.

PRIMARY
0-5,000 feet ............... COAE-9510-J ............... 54
COAE-9510-K ............... 53
5,000-10,000 feet .......... COAE-9510-J ............... 52
COAE-9510-K ............... 51
10,000-15,000 feet ........ COAE-9510-J ............... 50
COAE-9510-K ............... 49

SECONDARY
0-5,000 feet ................ 63
5,000-10,000 feet .......... 61
10,000-15,000 feet .......... 59

POWER VALVE IDENTIFICATION NUMBER
0-5,000 feet ................ None
5,000-10,000 feet .......... No. 65
10,000-15,000 feet .......... No. 55

DRY FLOAT SETTING (FOR INITIAL SETTING ONLY)

PRIMARY AND SECONDARY
0.435-465 inch from top surface of main body to top of free end of float in uppermost position.

FUEL LEVEL SETTING
PRIMARY AND SECONDARY ...
0.880-0.940 inch below top machined surface of main body.

VENTURI SIZE
PRIMARY .................... 1-1/8 inches
SECONDARY .................. 1-3/16 inches

CHOKE THERMOSTATIC SPRING
HOUSING INITIAL SETTING .... 3 digits lean

ANTI-STALL DASHPOT
CLEARANCE (COAE-9510-K ONLY) .... 0.060-0.090 inch

INITIAL IDLE MIXTURE
ADJUSTMENT ................ 1-1-1/2 turns open

FAST IDLE ADJUSTMENT (COLD) ........ 1800 RPM with Fast Idle Screw on the Starting Step of the Cam (Hot Engine)
THUNDERBIRD 1964

A.E.A.
TUNE-UP SYSTEM

STANDARDS OF ADJUSTMENT

ELECTRICAL SYSTEM

12 - VOLT BATTERY & CABLES
AUTOLITE - No. 13HN(Std.) Capacity - 65 Amp. Hr. (20 Hr. Rate)
No. 12HN(Opt.) Capacity - 70 Amp. Hr. (20 Hr. Rate)
Negative Terminal Grounded

CABLES - PACKARD
Battery to Ground - Length 30" Part No. 1T-30
Battery to Switch - Length 14.5" Part No. 1T-15

STARTING MOTOR

FORD - No. (SA-532) C35F-11001-A or FPR-11001-A
Drive - Band No. 480031
FREE RUNNING SPEED - 5200 RPM; 80-110 Max. Amp. 120 V.
LOCK TORQUE (Stalled) - 14.8 Ft. Lbs. 580 Amps. 5.0 V.
BRUSH SPRING TENSION - 45 oz.
STARTER SWITCH - No. SW-3 (C45F-11450-A)

ALTERNATOR

RATED OUTPUT - (40 Amp.) 39 Amp. Min. 600 Watts 12.0 Vts.
(42 Amp.) 42 Amp. 630 Watts 15.0 Volts
(52 Amp.) 52 Amp. 780 Watts 15.0 Volts
(40 Amp.) Cut-In RPM 950 RPM; Max. RPM 3700(Gold)
(52 Amp.) Cut-In RPM 850 RPM; Max. RPM 3500(Gold)
(52 Amp.) Cut-In RPM 950 RPM; Max. RPM 3400(Gold)

ALTERNATOR OUTPUT TEST

TUNING CHART - Type BF-42
Gap 0.032"-0.036" Size 18 mm
Like Round Wire Gauge

REGULATOR

FORD - No. C4VF-10316-A (GR-341) 40 Amp.
No. C4TF-10316-B (GR-341) 42 & 52 Amp.
Voltage Limiter - Contact Gap .010"-.015" (Upper Contacts Closed); Air Gap .043"-.052" (Upper Contacts Closed)
Field Relay - Closing Voltage 3-4 Volts at 75°F; Air Gap .015"-.025" (Contact Gap .15"-.022"
Voltage Chart
Setting 50°F 75°F 100°F 125°F
at 10 Amp., Load 14.3-15.1 14.1-14.9 13.9-14.7 13.8-14.6

DISTRIBUTOR

FORD - No. C4AF-12127-N (Conventional) DA-625
No. C4SF-12127-B (Transistor) DA-633
BREAKER CONTACT GAP .014"-.016" (Std.); .019"-.021" (Trans.)
CAM ANGLE: 26°-29° 1/2° (Std.); 22°-24° (Trans.)
BREAKER CONTACT SET No. DP-12 (C16171-A) Std.
DP-71 (C16171-A) Trans.
BREAKER ARM SPRING TENSION - 17-20 oz. (All)
CONDENSER - No. DC-13 (89AF-12300-A) Std., Transistor
NAME - 21-.25 Mfd.
ROTATION - Clockwise (Viewed from top of Dist.)
ADVANCE SPECIFICATIONS

Firing Order
1-5-4-2-8-3-7-6

SPARK PLUGS

AUTOLITE - Type BF-42
Gap 0.032"-0.036" Size 18 mm
Like Round Wire Gauge

IGNITION COIL

FORD - No. FAC-12029-A (Std.) No. C3TF-12029-A (Trans.)
Servicing Coil - No. DG-5 (Std.) No. DG-32 (Trans.)
Resistor - No. D2-36 (Std.) No. D2-33 (Trans.)
Mounting Bracket - No. C0AF-12043-A (DY-50) All

HIGH TENSION CABLES

IGNITION CABLE SET - PACKARD
No. 448-FB or 456-O

IGNITION TIMING

USE TIMING LIGHT - Breaker points to open 4° (S/T); 6° (A/T) Before Top
Dead Center.

FUEL SYSTEM

FUEL PUMP

CARTER - No. M3718
Pressure - 4-1/2 lbs. min.; 6-1/2 lbs. max. at 500 RPM

AIR CLEANER

PURULATOR - Filter No. AFP-61

OIL FILTER

PURULATOR - Filter No. PER-1

CARBURATOR

FORD - 4 bbl. No. C45F-9510-B (CA-318)
IDLE ENGINE SPEED - 475-500 RPM with idle screws
1-1 1/2 turns open

FIXED JETS
Main Metering 0-5000 Fl.
Primary C3AF9533(YJ2464) 5-10,000 Fl.
Secondary CJ-129 (57F) C3AF933(YJ15046F)
CJ-144(53F)

AUTOMATIC CHOKE - Set one digit lean
FLOAT SETTING (DRY) - Primary and Secondary 1/32" to 1/64" from machined surface of main body to top of float
with float in upper most position.

CONTINUED ON REVERSE SIDE

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CARBURETOR (Cont'd.)
FUEL LEVEL - Primary and Secondary 29/32” ± 1/32” below the top machined surface of main body.
FAST IDLE CAM LINKAGE ADJUSTMENT - Set fast idle adjusting screw on knockdown lever, if it changes the clearance of the choke plate clearance, turn over-travel lever to get the correct clearance.
FAST IDLE CAM ADJUSTMENT - 1/16” between choke plate and air horn with fast idle screw on knockdown step (index mark) of fast idle cam.
FAST IDLE ADJUSTMENT - (Cold Engine) - 1500 rpm with fast idle screw on knockdown step (index mark) of fast idle cam. (Hot Engine) 475-500 RPM with fast idle screw not contacting fast idle cam and the idle compensator seated, with transmission in "drive" range.
DECHOKE CLEARANCE - 1/16” between choke plate and air horn with primary throttle plates wide open.
DASHPOT CLEARANCE - 1/16”-3/32” between plunger and throttle lever at curb idle (plunger fully depressed).

MISCELLANEOUS

VALVES
VALVE CLEARANCE - Hydraulic Valve Lifters .083”-.183” clearance at valve stem tip with lifters collapsed.
VALVE TIMING - Inlet valves open at .002” at 260° before top dead center.

COOLING SYSTEM
CAPACITY - 20 qts. with heater (U.S.)
16-1/2 qts. with heater (Can.)
THERMOSTAT - Location - Surge Tank Flange
Opens - Starts 185° - 192°, Fully open 212°F

WINDSHIELD WIPER
TRICO -
Service Motor No. HD-3-3JS
Arm (Both Sides) AL-250
Blade (Both Sides) PR-18-2
Linkage (Driver Side) 88988-40J
(Left Side) 88987-40J
Blade Refill - No. RF-18
Control No. 89290-6J

ADDITIONAL SPECIFICATIONS
GAUGES - KING-SEELEY (See Below*)
Temperature Gauge - Dash Unit No. C45Z-10883A
Motor Unit No. C3AZ-10884-A (SW344)
Oil Pressure Gauge - Dash Unit No. C45Z9308-A
Motor Unit No. 877-9278-A
Gasoline Gauge - Dash Unit No. C45Z-9305-A
Tank Unit No. C45Z-9275-A
Ammeter - No. C45Z-10850-A
SPEEDOMETER - KING-SEELEY*
No. C45Z-17255-A
* Must be purchased from Ford Motor Co.
CRANKCASE CAPACITY - 5 qts. (U.S. Meas.); 4 qts. (Imperial)
Add 1 Quart for filter change.
RECOMMENDED TIRE PRESSURE -
Cold - 24 lbs. front, 28 lbs. rear
IGNITION LOCK - FORD
Key Series - One thru Five
Key Blank No. 89A-3685-A
Lock Part No. C3AZ-11582-A
Lock Set No. C3AZ-6222050-8
HORNS - FORD
High Pitch R.H. No. 88A-13832-A
Low Pitch L.H. No. 88A-13833-A

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