



CAR CARE MANUAL

This Book Has Been Produced
By Motor Products Department, Sun Oil Company



CHEVROLET (1972)
Camaro, Camaro SS



HOW TO USE YOUR NEW SUNOCO CAR CARE MANUAL

This manual has been prepared for your convenience. It is easy-to-read and quick to work with, yet it contains all the necessary technical information to enable you to provide rapid and profitable service on all American and selected imported passenger cars. It has been prepared by the Sun Oil Company Car Care Division exclusively for use by Sunoco dealers.

TUNE-UP INFORMATION—Ignition system service specs at your fingertips . . . spark plug gap . . . distributor point dwell and gap . . . timing mark location and specifications . . . carburetor idle speed and mixture adjustments . . . firing order . . . cylinder numbering . . . plus many of those key "Tech Tips" that will help you do a better job faster.

LUBRICATION—Number of Lube points and where they are located.

CAPACITIES—The capacities of engine crankcase . . . automatic transmission . . . rear axles . . . cooling systems . . . and the recommended Sunoco products that exceed manufacturers requirements.

TBA Replacement Specifications—All the information you need to know to replace batteries . . . cables . . . fuses . . . lamps . . . spark plugs . . . thermostats . . . filters . . . PCV valves . . . caps . . . and wiper blades with recommended Sunoco Part Numbers.

TIRES—Tire pressures and tire sizes.

WHEEL ALIGNMENT—Wheel alignment specifications for caster . . . camber . . . and toe-in.

LUBRICATION

- Upper Ball Joints 2
- Lower Ball Joints 2
- Steering Linkage 7
- Total Fittings 11

CAPACITIES

(Approximate. Always check actual level carefully.)

ENGINE CRANKCASE (Add one quart with filter replacement)

6-Cyl. V-8 4 quarts

Sunoco Special 10W-40

(Meets all test sequences for SE service as required by car manufacturers)

TRANSMISSION—MANUAL

3-speed 3 pts.

4-speed 3 pts.

Sunoco Multi-Purpose Lubricant GL-5

TRANSMISSION—Automatic*

6 Cyl. & 307 V-8 (2-sp.) 6 pts.

V-8 307, 350 2-BBL (3-sp.) 5 pts.

V-8 350 (2-28), 402 (3-sp.) 8 pts.

*Rear fill amount

Sunoco Transmatic Fluid Dexron® (Red Top Can)

REAR AXLE 4-1/4 pts.

Sunoco Multi-Purpose Lubricant GL-5 for topping only*

*For complete drain and refill, use manufacturer's recommended grade lubricant.

COOLING SYSTEM (W/Heater)*

6 Cyl. 12 qts.

V-8 307 15 qts.

350 16 qts.

402 24 qts.

*Add 1 to 2 quarts w/AC.

GASOLINE TANK:

All 18

WHEEL ALIGNMENT

Caster 0° ± 1°

+28° -1° ± 3/4"

+28° -1° ± 3/4"

Toe-in 1/16" to 5/16"

TUNE-UP

SPARK PLUGS

SPARK PLUG GAP: .035"

DISTRIBUTOR

DWELL: 32°

V-8 except* 30°

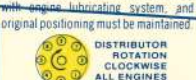
*V-8 402 29°

POINT GAP: .019

CAUTION:

If necessary to remove distributor for service, mark distributor body, rotor, and cylinder block with reference to number 1 cylinder. Align marks during re-installation. V-8 distributor involved with engine lubricating system, and original positioning must be maintained.

DISTRIBUTOR ROTATION CLOCKWISE ALL ENGINES



IGNITION TIMING MARK LOCATION: Vibration Damper and Front Engine Cover



Each mark on timing tab indicates two (2) degrees. The "0" indicates top dead center (TDC). The "1" indicates advance side of TDC. Initial timing can be at TDC, before (B) TDC, or after (A) TDC.

INITIAL IGNITION TIMING

ENGINE	MANUAL TRANS @ RPM	AUTO TRANS @ RPM
6 Cyl. (250)	4° BTDC 700	4° BTDC 600
V-8 (307)	4° BTDC 900	8° BTDC 900
V-8 (350, 2-8B1)	4° BTDC 900	8° BTDC 600
V-8 (350, 4-8B1)	4° BTDC 800	8° BTDC 600
V-8 (350, 228)	4° BTDC 900	12° BTDC 700
V-8 (402)	4° BTDC 800	8° BTDC 600

Procedure: 1. Disconnect hose from distributor vacuum control unit.
2. Set parking brake, start engine, and turn at idle speed.
3. Aim operational timing light at timing marks.
4. If necessary, loosen distributor clamp bolt and rotate distributor to align proper marks.

VEHICLE EMISSION CONTROL INFORMATION

ENGINE	MANUAL TRANS	AUTO TRANS
6 Cyl. V-8 (307)	700	600
V-8 (350, 2-8B1)	900	600
V-8 (350, 2-28)	900	600
V-8 (350, 228)	900	600
V-8 (402)	800	600

CAUTION: Carburetors are fitted with locknut mixture adjusting screws. DO NOT tamper with these screws, to avoid upsetting emissions controls.
General Procedure: Make adjustments with engine at normal operating temperature, choke open and air conditioning off. Plug disconnected vacuum fittings.
1. Disconnect carburetor hose from vapor canister and plug.
2. Disconnect carburetor vacuum hose. Plug hose to carburetor.
3. Set dwell and timing at 1280 RPM.
4. If equipped, adjust idlespeed (emerged) to specified RPM.
5. Adjust carburetor speed screw (isolated disconnected) to specified RPM.
6. With transmission in PARK or neutral, set fast idle to specified RPM on low stop of cam.
7. Reconnect distributor and canister hoses.

TBA

TIRES

Model	Tire
Base	E78 x 14B (2+2)
"SS"	F70 x 14B (2+2)
Z28	F60 x 15B (2+2)

TIRE PRESSURES*

Front 24

Rear 26

*Cold and for normal loads and speeds. For other tires, special equipment, or high speeds and heavy loads, consult Owner's Manual or vehicle Decal.

ELECTRICAL

BATTERY—SUNOCO 9-14V

6-Cylinder HP-22F

V-8 HP-22F

*Adapter required for sealed terminal battery

CABLES—SUNOCO®

GROUND* 3212-C

6-Cylinder 3212-C

V-8 except* 4112-F

*V-8 350

STARTER* 5212-C

6-Cylinder 5212-C

V-8 5212-C

*Adapter required for sealed terminal battery

LAMPS—Westinghouse

Headlight 6012

Parking 1157A

Turn Signal 1157

Stop/Tail 1157

License 67

Instrument 194, 1895

Dome 211

Marker: Front 194A

Rear 194

SPARK PLUGS

Champion RBL-13Y R46T

AC RBL-15Y R44T

RBL-15Y R45TS

RBL-13Y R44TS

RBL-13Y R44TS

COOLING

THERMOSTAT—Dodge

160° DWN-1 DWN-1H DWN-1XH

180° DWN-1H DWN-1XH DWN-1XH

FILTERS, PCV, CAPS, WIPERS

AIR FILTER—Fram

6-Cylinder & 307 V-8 CA-189PL

V-8 350, 402 except* CA-327

*Z28 CA-136

GASOLINE FILTER—Fram

All except* CG-11

*307 V-8 CG-13

OIL FILTER—Fram

All PH-30

PCV VALVE—AC

6-Cylinder: CV-722C

V-8: CV-736C

V-8 350: CV-691C

GASOLINE CAP—Stant

All G-703E

RADIATOR CAP—Stant

All SP-17

WINDSHIELD WIPERS—Anco

Blade 16/826

Retill 6016/690

Operation	Time	Operation	Time	Operation	Time
Check oil level	1.0	Check battery electrolyte level	1.0	Check water level	1.0
Check tire pressures	1.0	Check brake fluid level	1.0	Check windshield wiper blades	1.0
Check engine oil level	1.0	Check coolant level	1.0	Check horn	1.0
Check spark plug gap	1.0	Check air filter	1.0	Check door latch	1.0
Check distributor timing	1.0	Check PCV valve	1.0	Check trunk latch	1.0
Check alternator belt tension	1.0	Check wiper blades	1.0	Check hood latch	1.0
Check engine oil level	1.0	Check brake pads	1.0	Check bumper	1.0
Check spark plug gap	1.0	Check brake shoes	1.0	Check fender	1.0
Check distributor timing	1.0	Check brake drum	1.0	Check wheel	1.0
Check alternator belt tension	1.0	Check brake rotor	1.0	Check tire	1.0
Check engine oil level	1.0	Check brake caliper	1.0	Check wheel nut	1.0
Check spark plug gap	1.0	Check brake master cylinder	1.0	Check wheel bearing	1.0
Check distributor timing	1.0	Check brake slave cylinder	1.0	Check wheel hub	1.0
Check alternator belt tension	1.0	Check brake lines	1.0	Check wheel spindle	1.0
Check engine oil level	1.0	Check brake hoses	1.0	Check wheel axle	1.0
Check spark plug gap	1.0	Check brake pads	1.0	Check wheel nut	1.0
Check distributor timing	1.0	Check brake shoes	1.0	Check wheel bearing	1.0
Check alternator belt tension	1.0	Check brake drum	1.0	Check wheel hub	1.0
Check engine oil level	1.0	Check brake rotor	1.0	Check wheel spindle	1.0
Check spark plug gap	1.0	Check brake caliper	1.0	Check wheel axle	1.0
Check distributor timing	1.0	Check brake master cylinder	1.0	Check wheel nut	1.0
Check alternator belt tension	1.0	Check brake slave cylinder	1.0	Check wheel bearing	1.0
Check engine oil level	1.0	Check brake lines	1.0	Check wheel hub	1.0
Check spark plug gap	1.0	Check brake hoses	1.0	Check wheel spindle	1.0
Check distributor timing	1.0	Check brake pads	1.0	Check wheel axle	1.0
Check alternator belt tension	1.0	Check brake shoes	1.0	Check wheel bearing	1.0
Check engine oil level	1.0	Check brake drum	1.0	Check wheel hub	1.0
Check spark plug gap	1.0	Check brake rotor	1.0	Check wheel spindle	1.0
Check distributor timing	1.0	Check brake caliper	1.0	Check wheel axle	1.0
Check alternator belt tension	1.0	Check brake master cylinder	1.0	Check wheel nut	1.0
Check engine oil level	1.0	Check brake slave cylinder	1.0	Check wheel bearing	1.0
Check spark plug gap	1.0	Check brake lines	1.0	Check wheel hub	1.0
Check distributor timing	1.0	Check brake hoses	1.0	Check wheel spindle	1.0
Check alternator belt tension	1.0	Check brake pads	1.0	Check wheel axle	1.0
Check engine oil level	1.0	Check brake shoes	1.0	Check wheel bearing	1.0
Check spark plug gap	1.0	Check brake drum	1.0	Check wheel hub	1.0
Check distributor timing	1.0	Check brake rotor	1.0	Check wheel spindle	1.0
Check alternator belt tension	1.0	Check brake caliper	1.0	Check wheel axle	1.0
Check engine oil level	1.0	Check brake master cylinder	1.0	Check wheel nut	1.0
Check spark plug gap	1.0	Check brake slave cylinder	1.0	Check wheel bearing	1.0
Check distributor timing	1.0	Check brake lines	1.0	Check wheel hub	1.0
Check alternator belt tension	1.0	Check brake hoses	1.0	Check wheel spindle	1.0
Check engine oil level	1.0	Check brake pads	1.0	Check wheel axle	1.0
Check spark plug gap	1.0	Check brake shoes	1.0	Check wheel bearing	1.0
Check distributor timing	1.0	Check brake drum	1.0	Check wheel hub	1.0
Check alternator belt tension	1.0	Check brake rotor	1.0	Check wheel spindle	1.0
Check engine oil level	1.0	Check brake caliper	1.0	Check wheel axle	1.0
Check spark plug gap	1.0	Check brake master cylinder	1.0	Check wheel nut	1.0
Check distributor timing	1.0	Check brake slave cylinder	1.0	Check wheel bearing	1.0
Check alternator belt tension	1.0	Check brake lines	1.0	Check wheel hub	1.0
Check engine oil level	1.0	Check brake hoses	1.0	Check wheel spindle	1.0
Check spark plug gap	1.0	Check brake pads	1.0	Check wheel axle	1.0
Check distributor timing	1.0	Check brake shoes	1.0	Check wheel bearing	1.0
Check alternator belt tension	1.0	Check brake drum	1.0	Check wheel hub	1.0
Check engine oil level	1.0	Check brake rotor	1.0	Check wheel spindle	1.0
Check spark plug gap	1.0	Check brake caliper	1.0	Check wheel axle	1.0
Check distributor timing	1.0	Check brake master cylinder	1.0	Check wheel nut	1.0
Check alternator belt tension	1.0	Check brake slave cylinder	1.0	Check wheel bearing	1.0
Check engine oil level	1.0	Check brake lines	1.0	Check wheel hub	1.0
Check spark plug gap	1.0	Check brake hoses	1.0	Check wheel spindle	1.0
Check distributor timing	1.0	Check brake pads	1.0	Check wheel axle	1.0
Check alternator belt tension	1.0	Check brake shoes	1.0	Check wheel bearing	1.0
Check engine oil level	1.0	Check brake drum	1.0	Check wheel hub	1.0
Check spark plug gap	1.0	Check brake rotor	1.0	Check wheel spindle	1.0
Check distributor timing	1.0	Check brake caliper	1.0	Check wheel axle	1.0
Check alternator belt tension	1.0	Check brake master cylinder	1.0	Check wheel nut	1.0
Check engine oil level	1.0	Check brake slave cylinder	1.0	Check wheel bearing	1.0
Check spark plug gap	1.0	Check brake lines	1.0	Check wheel hub	1.0
Check distributor timing	1.0	Check brake hoses	1.0	Check wheel spindle	1.0
Check alternator belt tension	1.0	Check brake pads	1.0	Check wheel axle	1.0
Check engine oil level	1.0	Check brake shoes	1.0	Check wheel bearing	1.0
Check spark plug gap	1.0	Check brake drum	1.0	Check wheel hub	1.0
Check distributor timing	1.0	Check brake rotor	1.0	Check wheel spindle	1.0
Check alternator belt tension	1.0	Check brake caliper	1.0	Check wheel axle	1.0
Check engine oil level	1.0	Check brake master cylinder	1.0	Check wheel nut	1.0
Check spark plug gap	1.0	Check brake slave cylinder	1.0	Check wheel bearing	1.0
Check distributor timing	1.0	Check brake lines	1.0	Check wheel hub	1.0
Check alternator belt tension	1.0	Check brake hoses	1.0	Check wheel spindle	1.0
Check engine oil level	1.0	Check brake pads	1.0	Check wheel axle	1.0
Check spark plug gap	1.0	Check brake shoes	1.0	Check wheel bearing	1.0
Check distributor timing	1.0	Check brake drum			



FORD (1972) Maverick, Maverick Grabber



LUBRICATION

Upper Ball Joints	2
Lower Ball Joints	2
Steering Linkage	4
Total Fittings	8
(Sunoco Prestige Grease)	

CAPACITIES

(Approx. Always check actual level carefully)

ENGINE CRANKCASE (Add one quart with filter replacement)	
6-Cyl	3 1/2 quarts
V-8	4 qts.

Sunoco Special 10W-40 (Meets all test sequences for SE service as required by car manufacturers)

TRANSMISSION — MANUAL:	
3-Speed	3 1/2 pints

Sunoco Multi-Purpose Lubricant GL-5

TRANSMISSION—AUTOMATIC	
(total)*	8 quarts

*Initial refill requires approx. 1/2 total capacity.

Sunoco Transmatic Fluid (Blue Top Can)

REAR AXLE	4 pts.
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Sunoco Multi-Purpose Lubricant GL-5 for topping only*

*For complete drain and refill, use manufacturer's recommended gear lubricant.

COOLING SYSTEM (W/Heater):*	
6-Cylinder	10 qts.
V-8	14 qts.

*Add 1 to 2 quart w/ac.

GASOLINE TANK:	
All	15 gal.

WHEEL ALIGNMENT

Caster	-1/2°
Camber	+1/4°
Toe-In	3/16"

TUNE-UP

SPARK PLUGS

SPARK PLUG GAP: .034"

DISTRIBUTOR

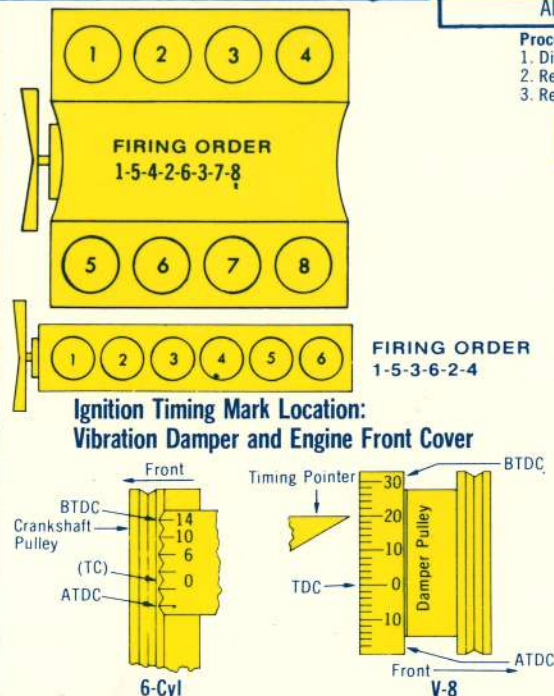
DWELL:
6 Cylinder: .37°
V-8: .28°

POINT GAP:
6 Cyl.: .027"
V-8: .017"

Direction of rotor rotation:
6 Cyl.: clockwise
V-8: counterclockwise

CAUTION:

If necessary to remove distributor for service, mark distributor body, rotor, and cylinder block with reference to number 1 cylinder. Align marks during re-installation.



INITIAL IGNITION TIMING

ENGINE	MANUAL TRANS @ RPM	AUTO TRANS @ RPM
All	6° BTDC 600	6° BTDC 600

Procedure:

1. Distributor diaphragm hose(s) must be disconnected and plugged.
2. Reduce idle speed to below 600 RPM to make sure centrifugal advance is not operating.
3. Reset idle speed after ignition timing adjustment.

VEHICLE EMISSION CONTROL INFORMATION

ENGINE	IDLE SPEED		
	SOLENOID CONNECTED	SOLENOID DISCONNECTED	NO SOLENOID
6 Cyl. (170)	—	—	700
6 Cyl. (200)	MAN: 800 AUTO: 600	500	MAN: 750 AUTO: 550
6 Cyl. (240)	—	—	500
6 Cyl. (250)	MAN: 750 AUTO: 600	500	550
V-8 (302)	MAN: 800 AUTO: 600	500	575

General Procedure: Make adjustments with engine at operating temperature, choke open and air conditioning off. Parking brake set. Plug disconnected vacuum fittings, Headlights on.

1. Adjust higher idle speed with throttle solenoid connected, using solenoid adjuster.
2. Adjust low idle speed with throttle solenoid wire disconnected, using curb idle screw.
3. On carburetors not equipped with throttle solenoid, set curb idle using curb idle adjusting screw.

CAUTION: Carburetors are fitted with locked mixture adjusting screws. **DO NOT** tamper with these screws to avoid upsetting emissions controls.

TBA

TIRES

TIRE PRESSURE*		
	Front	Rear
6.00x13	24	26

*Cold and for normal loads and speeds. For other tires, special equipment, or high speeds and heavy loads, consult Owner's Manual, or vehicle DECAL.

ELECTRICAL

Battery — Sunoco HV®	
6 Cylinder	HP-22F
V-8	HP-22F
CABLES—SUNOCO®	
GROUND:	
6 Cylinder	4312
V-8	3812
Starter	1212

LAMPS—Westinghouse

Headlight	
(Single Lamp)	6012
Front Park/Turn	1157
Rear Tail/Stop/Turn	1157
License	631
Instrument	194
Dome	561
Marker: (front)	161
(rear)	161

Fuses — Buss

(Headlamps protected by circuit breaker)	
Hazard Wrng., Lighter	
& Clock Feed	20 amp.
Courtesy, Dome, Ign. Key	
Warning Buzzer	14 amp.
Instrument, Radio, Lamp,	
Heater A/C Lamp	4 amp.
Heater/Defroster	14 amp.*
*with A/C	30 amp.
Back-Up, Radio Feed,	
W/S Washer	15 amp.
Accessory Feed	20 amp.

SPARK PLUGS	Champion	AC
6 Cyl. (170-200)	RF-11Y	R-85TS
6 Cyl. (240)	RF-11Y	R-84TS
V-8 (302)	RF-11Y	R-84TS

COOLING

THERMOSTAT — Dole	DVN-1*
*(Add H for 180 °, XH for 195 °)	

FILTERS, PCV, CAPS, WIPERS

AIR FILTER — Fram	
6 Cyl. (170-200)	CA-303
6 Cyl. (250)	CA-338
V-8 (302)	CA-324

GASOLINE FILTER — Fram	
All	G-22

OIL FILTER — Fram	
All	PH8A

PCV VALVE — AC	
6 Cyl. W/MT	CV-725C
6 Cyl. W/AT	CV-642C
V-8	CV-733C

GASOLINE CAP — Stant	
All	G24

RADIATOR CAP — Stant	
All	SP-12

WINDSHIELD WIPERS — Anco	
Blade	16/816
Refill	6016/690
Driver's Side Arm	130
Pass. Side Arm	130

SUGGESTED SERVICE OPERATION SCHEDULE*

Operation Time

TUNE-UP & IGNITION

Tune-Up, Minor:
Includes: Inspect Distributor; clean or replace spark plugs, points & condenser, wires, adjust ignition timing & carburetor idle. Clean or replace air cleaner and PCV valve. Test battery, clean cables.

6-Cyl.	1.8
V-8	2.0
Compression Test, 6-Cyl.	.5
V-8	.8
Ignition Timing Set (Includes: Check and/or Adjust)	.4
Spark Plugs—Clean or replace, 6-Cyl.	.5
V-8	.8
Points & Condenser, R & R, 6-Cyl.	.5
(Includes: Adjust Timing), V-8	.8
Ignition Coil, R & R (All)	.4
Ignition Cables, R & R, 6-Cyl.	.4
V-8	.6
PCV Valve/R & R (All)	.3

FUEL SYSTEM

Carburetor Idle-Adjust (on car)	.3
Carburetor Remove, Overhaul-Replace	
6-Cyl.	1.5
V-8, 2 BBL.	1.9
4 BBL.	
Quadrajel	
3-2 BBL. (each)	
Automatic Choke—Clean & Adjust (All)	.4
Fuel Pump, R & R: (All)	.4
W/Air Condition	.5
Fuel Filter, R & R (All)	.3
Fuel Flex Hose, R & R	.7
Fuel System, Clean (Includes: Remove Fuel Tank & Clean. Blow out fuel lines & clean fuel filter) All	2.2

Operation Time

BATTERY, GENERATOR, ALTERNATOR & STARTER

Battery Terminals, clean	.2
Battery Cables, Replace Starter	.3
Ground	.3
Alternator, R & R	.4
Overhaul (removed)	.9
Alternator Regulator, R & R	.3
Starter Draw Test (on Car)	.3
Starter Motor, R & R, 6-Cyl.	.6
V-8	.8
W/Air Condition	
W/Crossover pipe	
Overhaul (Removed), 6-Cyl.	1.3
V-8	1.3
Starter Drive, R & R, 6-Cyl.	.4
V-8	.4
W/Air Condition add	
W/Crossover pipe add	
Starter Relay, R & R, 6-Cyl.	.4
V-8	.4
W/Air Condition add	
W/Crossover pipe add	

BRAKE SYSTEM

Brakes, Adjust (self-adjusting) (includes removing 4 drums)	1.5
Parking Brake, Adjust	.2
Brakes, Bleed	.3
Brake Shoes, Replace	
Front Wheels (Both)	1.0
Rear Wheels (Both)	1.3
All	1.9
Wheel cylinder overhaul with above, each	.3
Wheel Bearings (Front) replace with above (each wheel)	.6
Self-Adjuster R & R or overhaul, each	.5

Operation Time

BRAKES (Cont'd.)

Wheel Cylinder Overhaul (on car) or R&R	
Front (each)	.5
Rear (each)	.5
Master Cylinder, R & R	.7
Overhaul (removed)	.8
Power Brake Assembly, R & R	
Brake Hose, R & R	
Front (one)	.5
Rear	.5
Resurface Brake Drum (each)	.5
Refinish Brake Rotor (Both)	
Disc Brake Pad, R & R	
Front (2)	
Rear (2)	
All	

COOLING SYSTEM

Fan Belt, Adjust or Replace	.4
W/Air Condition	.6
W/Power steering	
W/Thermactor	
Radiator Hose, R & R	
Upper	.4
Lower	.7
Thermostat &/or Housing, R & R	.5
W/Air Condition	.5
Water Pump, R & R (All)	1.1
W/Air Condition	1.7
W/Power Steering	
Radiator, R & R	.7
W/Automatic Trans. add	

EXHAUST SYSTEM

Exhaust System (one side) R & R (Includes: muffler, exh. & tail pipe)	.8
W/Crossover pipe	
Muffler only	.6

Operation Time

EXHAUST SYSTEM (Cont'd.)

Tail Pipe only	
Exhaust Pipe	.7
Crossover pipe	

STEERING, SUSPENSION

Caster, Camber, Toe-In, Adjust	1.1
W/Air Condition	1.3
Toe In, Adjust	.3
Seal, Front Wheel, R & R (Includes: Repack & adjust bearings)	.4
Disc Brakes	
Bearings, Front Wheel R & R, repack	.4
Wheels, Balance Two (on car)	1.0
Shock Absorber, R & R, each Front	.5
each Rear	.5
Ball Joints, Replace each (upper)	1.0
each (lower)	1.0
(Add alignment Charges)	

CLUTCH, UNIVERSALS

Clutch Pedal, adjust	.4
Clutch Assembly, R & R	.7
Universal Joints, Overhaul, (one)	.4
(two)	.7
Pinion Oil Seal, R & R	.8
Rear Axle Seal, R & R (each)	.6

LAMPS & SWITCHES

Headlamps, Aim, Two	.4
Four	
Sealed Beam, R & R (each)	.3
Dimmer Switch, R & R	.3
Stop Light Switch, R & R	.4
Headlamp Switch, R & R	.5
Directional Switch, R & R	.7
W/Tilt Wheel	
Ignition Switch, R & R	.3



FORD (1972) Comet, Comet GT



LUBRICATION

Upper Ball Joints	2
Lower Ball Joints	2
Steering Linkage	4
Total Fittings	8
(Sunoco Prestige Grease)	

CAPACITIES

(Approx. Always check actual level carefully)

ENGINE CRANKCASE (Add one quart with filter replacement)	
6 Cyl.	3-1/2 qts.
V-8 302	4 qts.
Sunoco Special 10W-40 (Meets all test sequences for SE service as required by car manufacturers).	

TRANSMISSION—MANUAL 3.5 pts.
Sunoco Multi-Purpose Lubricant GL-5

TRANSMISSION—Automatic: (Total Fill)*	
6 Cyl.	8 qts.
V-8	9 qts.

*Refill after draining requires approx. 1/2 Total Fill.

Sunoco Transmatic Fluid Dexron Type
(Blue Top Can)

REAR AXLE: 4 pts.

Sunoco Multi-Purpose Lubricant GL-5
for topping only*

*For complete drain and refill, use manufacturer's recommended gear lubricant.

COOLING SYSTEM (W/Heater):*	
6 Cyl. (170, 200)	9 qts.
6 Cyl. (250)	10 qts.
V-8 (302)	14 qts.

*Add 1 to 2 quarts w/AC.

GASOLINE TANK:	
All	15 gal.

WHEEL ALIGNMENT

Caster	-1/2° (min: -2-1/2°; max: +1-1/2°)
Camber	+1/4° (min: -3/4°; max: +1-1/4°)
Toe-In	3/16" (min: 1/16"; max: 3/8")

TUNE-UP

SPARK PLUGS

Spark Plug Gap034"

DISTRIBUTOR

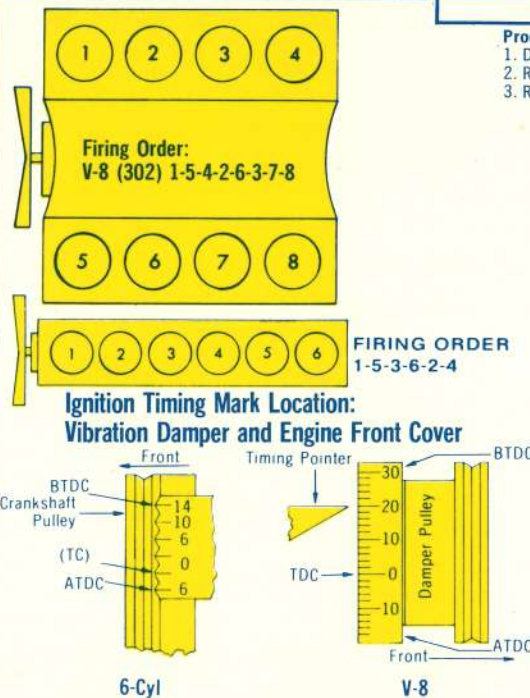
Dwell:	
6-Cylinder	37°
V-8	28°
Point Gap:	
6 Cyl	.027"
V-8	.017"

Direction of rotor rotation:

6 Cyl. Clockwise
V-8 Counterclockwise

CAUTION:

If necessary to remove distributor for service, mark distributor body, rotor, and cylinder block with reference to number 1 cylinder. Align marks during re-installation.



INITIAL IGNITION TIMING

ENGINE	MANUAL TRANS (°) RPM	AUTO TRANS (°) RPM
All	6° BTDC 590	6° BTDC 590

Procedure:

1. Distributor diaphragm hose(s) must be disconnected and plugged.
2. Reduce idle speed to below 600 RPM to make sure centrifugal advance is not operating.
3. Reset idle speed after ignition timing adjustment.

VEHICLE EMISSION CONTROL INFORMATION

ENGINE	IDLE SPEED		
	SOLENOID CONNECTED	SOLENOID DISCONNECTED	NO SOLENOID
6 Cyl. (170)	—	—	700
6 Cyl. (200)	MAN: 800 AUTO: 600	500	MAN: 750 AUTO: 550
6 Cyl. (250)	MAN: 750 AUTO: 600	500	550
V-8 (302)	MAN: 800 AUTO: 800	500	575

General Procedure: Make adjustments with engine at operating temperature, choke open and air conditioning off. Parking brake set. Plug disconnected vacuum fittings, Headlights on.

1. Adjust higher idle speed with throttle solenoid connected, using solenoid adjuster.
2. Adjust low idle speed with throttle solenoid wire disconnected, using curb idle screw.
3. On carburetors not equipped with throttle solenoid, set curb idle using curb idle adjusting screw.

CAUTION: Carburetors are fitted with locked mixture adjusting screws. **DO NOT** tamper with these screws to avoid upsetting emissions controls.

TBA

TIRES

TIRE PRESSURES: *(6.00 x 13)	
Front	24
Rear	26

*Cold and for normal loads and speeds. For other tires, special equipment, or high-speeds and heavy loads, consult Owner's Manual, or vehicle DECAL.

ELECTRICAL

BATTERY — SUNOCO®HV:	
6-Cylinder	HP-22 FC
V-8	HP-22 FC
CABLES — SUNOCO®	
Ground: 6 Cyl:	4312
V-8	3812
Starter: 6 Cyl:	1212
V-8:	1212

FUSES — Buss

(Headlights, Horns, Stop, Marker, Rear, and License Lights, and Parking Lights protected by circuit breakers)

Hazard Wrng., Lighter	20 amp.
Courtesy, Dome, Key Buzzer Wrng.	14 amp.
Cluster Lights, Heater, A.C. Lights	4 amp.
Heater/Defroster	14 amp.
(30 amp. W/A.C.)	

Back-Up, Radio Feed, W/S Washer 15 amp.

LAMPS — Westinghouse

Headlight (Single Lamp)	6012
Back-Up	1076
Front Park/Turn	1157
Rear Tail/Stop/Turn	1157
License	97
Instrument	194

Dome	105
Marker: (front)	161
(rear)	161

SPARK PLUGS	
6 Cyl.	RF-11Y R85TS
V-8 302	RF-11Y R84TS

COOLING

THERMOSTAT — Dole DVN-1*
*For high-temperature thermostat, add H or XH to number.

FILTERS, PCV, CAPS, WIPERS

AIR FILTER — Fram	
6-Cylinder: 170 & 200:	CA-303
250:	CA-338
V-8 302:	CA-351
GASOLINE FILTER — Fram	
All:	G22

OIL FILTER — Fram
All: PH8A

PCV VALVE — AC
6 Cylinder W/MT CV-725C
6 Cylinder W/AT CV-733C
V-8 CV-642C

GASOLINE CAP — Stant
All G-708E

RADIATOR CAP — Stant Lev-R-Vent
All SP-12

WINDSHIELD WIPERS — ANCO:
Blade: 16/816
Refill: 6016/690

