



1988 FIERO MAINTENANCE SCHEDULE

IMPORTANT
KEEP ENGINE OIL AT THE PROPER
LEVEL AND CHANGE AS RECOMMENDED

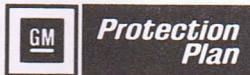
PONTIAC FIERO

This booklet contains the maintenance required for your Pontiac Fiero. It is essential that your Fiero receive this maintenance to retain the safety, dependability and emission control performance originally built into your car.

MAINTENANCE SERVICES SHOULD BE DONE BY YOUR AUTHORIZED GENERAL MOTORS DEALER OR ANY OTHER QUALIFIED AUTOMOTIVE SERVICE OR REPAIR ESTABLISHMENT WHICH IS ABLE TO PROVIDE SUCH SERVICES AND WHICH CAN BE RELIED UPON TO USE PROPER PARTS AND PRACTICES.

In addition to the in-shop type services shown in Section A, this booklet also includes owner inspections and services in Section B which you or a qualified technician should perform periodically.

ALWAYS KEEP THIS SCHEDULE IN YOUR CAR AND LEAVE IT WITH THE CAR WHEN SOLD. THE MAINTENANCE RECORD, PLUS MAINTENANCE RECEIPTS, MAY BE NEEDED FOR WARRANTY REPAIRS. IT IS SUGGESTED RECEIPTS BE KEPT IN THE GLOVE BOX LITERATURE ENVELOPE.



Have you purchased the GM Protection Plan? The Plan supplements your new car warranties. It can be purchased up to 12 months or 12 000 miles (20 000 km) after the vehicle is first used. See your GM dealer for details.

NORMAL CAR USE

The maintenance services in this booklet are based on the assumption that your car will be used as designed:

- To carry passengers and cargo within the limits shown on the Tire Placard located on the edge of the driver's door.
- On reasonable road surfaces within legal driving limits.
- On unleaded gasoline.



SECTION A—Scheduled Maintenance

ITEM NO.	TO BE SERVICED	WHEN TO PERFORM Miles (kilometers) or Months, Whichever Occurs First	MILES (000)	KILOMETERS (000)
1	Engine Oil & Oil Filter Change*	Every 3 000 mi. (5 000 km) or 3 mos.		
2	Chassis Lubrication	Every other oil change		
3	TBI Mounting Bolt Torque*	At 6 000 mi. (10 000 km) only		
4	Cooling System Service*	Every 30 000 mi. (50 000 km) or 24 mos.		
5	Transaxle Service	See explanation for service interval in Section A.		
6	Spark Plug Service*	Every 30 000 mi. (50 000 km)		
7	Spark Plug Wire Inspection* ϕ	Every 30 000 mi. (50 000 km)		
8	PCV Valve Inspection* ϕ	Every 15 000 mi. (25 000 km) 24 mos.		
9	EGR System Inspection* ϕ	Every 30 000 mi. (50 000 km) 36 mos.		
10	Air Cleaner Element Replacement* \dagger	Every 15 000 mi. (25 000 km) 24 mos.		
11	Engine Timing Check*	Every 30 000 mi. (50 000 km)		
12	Fuel Tank, Cap & Lines Inspection* ϕ	Every 30 000 mi. (50 000 km)		
13	Tire & Wheel Inspection & Rotation	Every 6 000 mi. (10 000 km)		

* An Emission Control Service.

ϕ The U.S. Environmental Protection Agency has determined that the failure to perform this maintenance item will not nullify the emission warranty or limit recall liability prior to the completion of vehicle useful life. General Motors, however, urges that all recommended maintenance services be performed at the indicated intervals and the maintenance be recorded in Section C.

\dagger Change air filter every 9 000 miles (15 000 km) or every 12 months when frequently operating in dusty areas.

[illegible]

Scheduled Maintenance Services

Item No.	Service	Item No.	Service
8	POSITIVE CRANKCASE VENTILATION (PCV) VALVE INSPECTION* ϕ —Inspect valve for proper function. Replace valve if necessary as well as any worn, plugged or collapsed hoses.	12	FUEL TANK, CAP AND LINES INSPECTION* ϕ —Inspect fuel tank, cap and lines (including fuel rails and injection assembly) for damage or leaks. Inspect fuel cap gasket for an even filler neck imprint or any damage. Replace parts as needed.
9	EGR SYSTEM INSPECTION* ϕ —Conduct EGR System Service as referenced in the Maintenance and Lubrication Section of the Service Manual.	13	TIRE AND WHEEL INSPECTION AND ROTATION —For proper wear and maximum tire life, rotate tires following the patterns shown in the Owner's Manual. Check tires for uneven wear or damage. If irregular or premature wear is apparent, check wheel alignment. Also, check for damaged wheels.
10	AIR CLEANER ELEMENT REPLACEMENT* —Replace every 24 months or 15 000 miles (25 000 km). Replace more often under dusty conditions. Ask your dealer for the proper replacement interval for your driving conditions.		
11	ENGINE TIMING CHECK* —Adjust timing to engine compartment lid label specifications. If no specifications are shown on the label, no adjustment is needed.		

* An Emission Control Service

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SECTION B—Owner Inspections And

Listed below are inspections and services which should be made by either you or a qualified technician at the intervals shown to help ensure proper safety, emission performance and dependability of your vehicle. Take any problems promptly to your dealer or another qualified technician for service advice. Whenever repairs are necessary, have them completed at once. For your safety, and that of others, any safety-related components that could have been damaged in an accident should be inspected. All needed repairs should be performed before operating your vehicle. Be sure to use proper fluids and lubricants as shown in Section D.

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
BEFORE OPERATING YOUR CAR	Warning light, buzzer, tone and chime operation	Check operation of all warning lights, buzzers, tone generators and chimes—also all indicator and interior lights. See your Owner's Manual for details.
	Glass, mirrors, lights, and/or reflectors condition	Look for broken, scratched, dirty or damaged glass, mirrors, lights or reflectors that could reduce the view visibility or cause injury. Replace, clean or repair promptly.
	Seat adjuster operation	Be sure seat adjusters latch by pushing seat forward and backward.
	Rearview mirror and sun visor operation	Make sure friction joints hold mirrors and sun visors in place.
	Front and rear compartment lid and door latch operation	Make sure that all doors and the front and rear compartment lids close, latch, lock and seal tightly.
	Engine Air Body Scoop	Make sure there are no obstructions, such as leaves, paper or ice covering the scoop opening.
WHILE OPERATING YOUR CAR	Automatic transaxle shift indicator operation	Make sure the indicator points to the gear chosen.

Services

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
WHILE OPERATING YOUR CAR	Wiper and washer operation	Note the operation and condition of the wiper blades and the flow and aim of the washer spray.
	Defroster operation	Periodically check the air flow from the ducts at the inside base of the windshield. Do this with the heater control set for "defrost" and fan set for "high."
	Horn operation	Blow the horn occasionally to make sure it works. Check all button locations.
	Brake system operation	Be alert to abnormal sounds, increased brake pedal travel or repeated pulling to one side when braking. Also, if a brake warning light comes on or flashes, something may be wrong with part of the brake system. Have it inspected and repaired at once.
	Exhaust system operation	Be alert to any changes in the sound of the system or any smell of fumes. These are signs the system may be leaking or overheating. Have it inspected and repaired at once. Also see "Engine Exhaust Gas Caution (Carbon Monoxide)" and "Catalytic Converter" in your Owner's Manual.
	Tire and wheel operation	Be alert to a vibration of the steering wheel or seat at normal highway speeds. This may mean a wheel balance is needed. Also, a pull right or left on a straight, level road may show the need for a tire pressure adjustment or wheel alignment.
	Steering system operation	Be alert to changes in steering action. An inspection is needed when the steering wheel is harder to turn or has too much free play or if unusual sounds are noted when turning or parking.
	Headlight aim	Take note of light pattern occasionally. If beam aim doesn't look right, headlights should be adjusted.



SECTION B (CONT'D)—Owner Inspection

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
AT EACH FUEL FILL	Engine oil level check †	Check engine oil level and add if necessary. See your Owner's Manual for further details.
	Engine coolant level and condition †	Check engine coolant level in coolant reservoir tank and add if necessary. Replace if dirty or rusty. See your Owner's Manual for further details.
	Windshield washer fluid level check	Check washer fluid level in reservoir and add if necessary.
AT LEAST MONTHLY	Tire and wheel inspection and pressure check	Check tires for abnormal wear or damage. Also, check for damaged wheels. Keep pressures as shown on Tire Placard on the driver's door (include spare). Pressure should be checked when tires are "cold." See "Tires" in Owner's Manual for further information.
	Light operation	Check operation of license plate light, sidemarker lights, headlights, including high beams, parking lights, taillights, brake lights, turn signals, backup lights, instrument panel lights and hazard warning flashers.
	Fluid leak check	After the car has been parked for a while, inspect the surface beneath the car for water, oil, fuel or other fluids. Water dripping from the air conditioning system after use is normal. If you notice fuel leaks or fumes, the cause should be found and corrected at once.
AT LEAST SEMI-ANNUALLY (FOR EXAMPLE, EVERY SPRING AND FALL)	Brake master cylinder reservoir fluid level check †	Check fluid and keep at proper level. Note: A low fluid level can indicate worn disc brake pads which may need to be serviced.
	Clutch master cylinder reservoir level †	Check level in reservoir and add fluid as required. See your Owner's Manual for further details.

†NOTE: A large loss in these systems may indicate a problem. Have them inspected and repaired at once.

tions And Services

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
EACH TIME OIL IS CHANGED	Automatic transaxle fluid level check †	Keep level within operating range on dipstick. See your Owner's Manual.
	Tire and wheel inspection and pressure check	Check tires for abnormal wear or damage. Also, check for damaged wheels. Keep pressures as shown on Tire Placard on the driver's door (include spare). Pressure should be checked when tires are "cold." See "Tires" in your Owner's Manual for further information.
	Brake system inspection	For convenience, the following should be done when wheels are removed for rotation: inspect lines and hoses for proper hookup, binding, leaks, cracks, chafing, etc. Inspect disc brake pads for wear and rotors for surface condition. Also, inspect other brake parts, including parking brake, etc., at the same time. Check parking brake adjustment. INSPECT BRAKES MORE OFTEN IF DRIVING HABITS OR CONDITIONS RESULT IN FREQUENT BRAKING.
	Steering suspension and drive axle boot and seal inspection	Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect manual steering gear for seal leakage. Clean, then inspect drive axle boot seals for damage, tears or leakage. Replace seals if necessary. Liberally coat all boot seals with chassis lube. Also, inspect final drive axle output shaft seals for leaking.
	Exhaust system inspection	Inspect complete system. Inspect body near the exhaust system. Look for broken, damaged, missing or out-of-position parts as well as open seams, holes, loose connections or other conditions which could cause heat buildup or could let exhaust fumes seep into the storage or passenger compartment.



SECTION B (CONT'D)—Owner Inspection

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
EACH TIME OIL IS CHANGED (CONT'D)	Throttle linkage inspection	Inspect for interference, binding, damaged or missing parts.
	Engine drive belts inspection	Inspect all belts for cracks, fraying and wear. Check tension. Adjust or replace as needed.
	Manual transaxle fluid level check †	Check fluid level and add as required. See your Owner's Manual.
	Air intake and air cleaner	Inspect complete system, be sure all clamps and air cleaner cover nuts are tight. Inspect PCV filter grommets and air cleaner gasket. Loose connections or out-of-place parts could allow dirty air into engine.
AT LEAST ANNUALLY	Seatback recliner operation	Make sure the recliner is holding by pushing and pulling on the top of the seatback while it is reclined.
	Steering column lock operation	While parked, try to turn key to "Lock" in each gear range. The key should turn to "Lock" only when gear is in "Park" on automatic transaxle cars. On manual transaxle cars, try to turn key to "Lock" without depressing the key release lever. The key should turn to "Lock" only with the key release lever depressed. On all vehicles, the key should come out only in "Lock."
	Transaxle neutral or clutch start switch operation	CAUTION: Before performing the following switch check, be sure to have enough room around the car. Then, firmly, apply both the parking brake (see Owner's Manual for procedure) and the regular brakes. Do not use the accelerator pedal. If the engine starts, be ready to turn off the ignition promptly. Take these precautions because the car could move without warning and possibly cause personal injury or property damage. On automatic transaxle cars, try to start the engine in each gear. The starter should crank only in "Park" or "Neutral." On manual transaxle cars, place the shift lever in "Neutral," push the clutch halfway and try to start. The starter should crank only when the clutch is fully depressed.

tions And Services

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
AT LEAST ANNUALLY (CONT'D)		Be sure seatbacks latch by pushing back and forth on seatbacks. See Owner's Manual for latch operating information.
		Inspect belt system, including: webbing, buckles, latch plates, retractors, guide loops and anchors.
	Parking brake and automatic transaxle "Park" mechanism operation	CAUTION: Before checking the holding ability of the parking brake and automatic transaxle "Park" mechanism, park on a fairly steep hill with enough room for movement in the downhill direction; to reduce the risk of personal injury or property damage, be prepared to apply the regular brakes promptly if the car begins to move. To check the parking brake, with the engine running and transaxle in "neutral," slowly remove foot pressure from the regular brake pedal until the car is held by only the parking brake. To check the automatic transaxle "Park" mechanism holding ability, release all brakes after shifting the transaxle to "Park."
	Spare tire and jack storage	Be alert to rattles in front of car. Make sure the spare tire and jacking equipment are securely stowed at all times. Oil jack mechanism after each use.
	Underbody flushing	At least every spring, flush from the underbody with plain water any corrosive materials used for ice and snow removal and dust control. Take care to thoroughly clean any areas where mud and other debris can collect. Sediment packed in closed areas of the car should be loosened before being flushed.
	Engine cooling system	Inspect coolant and freeze protection. If dirty or rusty, drain, flush and refill with new coolant. Keep coolant at the proper mixture as specified in your Owner's Manual. This provides proper freeze protection, corrosion inhibitor level and engine operating temperature. Inspect hoses and replace if cracked, swollen or deteriorated. Tighten hose clamps. Clean outside of radiator and air conditioning condenser. Wash radiator filler cap and neck. To help ensure proper operation, a pressure test of both the cooling system and cap is also recommended. (See Maintenance Schedule chart in Section A for the recommended coolant change interval.)
	Key lock service	Lubricate key lock cylinder at least annually.
	Body lubrication service	Lubricate all body door hinges. Also, lubricate all hinges and latches including the body hood, headlight door assemblies, rear compartment, and console doors.



SECTION C—Maintenance Record

After the scheduled services are performed, record the date, odometer reading and who performed the service. In addition, you should retain copies of your receipts. Your glove box literature envelope is a convenient place to store them. When completing the maintenance performed column, insert the numbers from the scheduled maintenance chart in Section A which correspond to the maintenance performed.

Service Interval	Date	Odometer Reading	Serviced By	Maintenance Performed
3 000 mi. 5 000 km				
6 000 mi. 10 000 km				
9 000 mi. 15 000 km				
12 000 mi. 20 000 km				
15 000 mi. 25 000 km				
18 000 mi. 30 000 km				
21 000 mi. 35 000 km				
24 000 mi. 40 000 km				
27 000 mi. 45 000 km				
30 000 mi. 50 000 km				
33 000 mi. 55 000 km				
36 000 mi. 60 000 km				
39 000 mi. 65 000 km				
42 000 mi. 70 000 km				
45 000 mi. 75 000 km				
48 000 mi. 80 000 km				

Service Interval	Date	Odometer Reading	Serviced By	Maintenance Performed
51 000 mi.				
85 000 km				
54 000 mi.				
90 000 km				
57 000 mi.				
95 000 km				
60 000 mi.				
100 000 km				
63 000 mi.				
105 000 km				
66 000 mi.				
110 000 km				
69 000 mi.				
115 000 km				
72 000 mi.				
120 000 km				
75 000 mi.				
125 000 km				
78 000 mi.				
130 000 km				
81 000 mi.				
135 000 km				
84 000 mi.				
140 000 km				
87 000 mi.				
145 000 km				
90 000 mi.				
150 000 km				
93 000 mi.				
155 000 km				
96 000 mi.				
160 000 km				
99 000 mi.				
165 000 km				



SECTION D—Fluids And Lubricants

USAGE	RECOMMENDED FLUIDS/LUBRICANTS
Engine Oil	SF/CC or SF/CD of the recommended viscosity
Engine Coolant	Mixture of water and good quality ethylene glycol base antifreeze conforming to GM spec. 1825M (GM Part No. 1052753)
Hydraulic Brake System	Delco Supreme 11 Fluid (GM Part No. 1052535) or DOT-3 Brake Fluid
Hydraulic Clutch System	Hydraulic Clutch Fluid (GM Part No. 12345347) or DOT-3 Brake Fluid
Parking Brake Cables	Chassis grease meeting requirements of GM-6031M (GM Part No. 1052497)
Automatic Transaxle	DEXRON-II Automatic Transmission Fluid (GM Part No. 1051855)
Manual Transaxle	Synchromesh Transmission Fluid (GM Part No. 12345349) or equivalent
Manual Transaxle Shift Linkage and Hydraulic Clutch Pedal Actuator Rod Pin	Chassis grease meeting requirements of GM-6031M (GM Part No. 1052497)
Key Lock Cylinders	Lubricate with multi-purpose lubricant (GM Part No. 12345120) or synthetic 5W-30 engine oil
Automatic Transaxle Shift Linkage	Engine Oil
Clutch Linkage Pivot Points	Engine Oil
Floor Shift Linkage	Engine Oil
Chassis Lubrication	Chassis grease meeting requirements of GM-6031M (GM Part No. 1052497)
Windshield Washer Solvent	GM Optikleen Washer Solvent (GM Part No. 1051515) or equivalent
Front and Rear Compartment Lid Latch Assemblies	a) Engine Oil or GM Part No. 1050109 b) Chassis grease meeting requirements of GM-6031M (GM Part No. 1052497)
a) Pivots and Spring Anchor b) Release Pawl	
Body Door Hinge Pins, Fuel Door Hinge, Front and Rear Compartment Lid Hinges	Engine Oil or GM Part No. 1050109
Electro-Hydraulic Steering	Electro-Hydraulic Steering Fluid (GM Part No. 12345348)

Fluids and lubricants identified by name, part number or specification may be obtained from your GM dealer.

