



# 1984 FIERO MAINTENANCE SCHEDULE

## PONTIAC FIERO

This folder contains the maintenance requirements of 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 PERFORMED BY YOUR AUTHORIZED GENERAL MOTORS DEALER OR ANY OTHER QUALIFIED AUTOMOTIVE SERVICE OR REPAIR ESTABLISHMENT WHICH IS COMPETENT TO PROVIDE SUCH SERVICES AND WHICH CAN BE RELIED UPON TO USE PROPER PARTS AND PRACTICES.**

In addition to the in-shop services detailed in the schedule, this folder also includes owner inspections and services 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 AND REPAIR RECEIPTS, MAY BE NEEDED FOR WARRANTY REPAIRS. IT IS SUGGESTED RECEIPTS BE RETAINED IN THE GLOVE BOX LITERATURE ENVELOPE.**



# SECTION A—Scheduled Maintenance Ser

## SCHEDULE I

### SELECTING THE PROPER SCHEDULE

Select and follow Schedule I or Schedule II based on how you use your car:

**SCHEDULE I** Follow Schedule I if you mainly operate your car under one or more of the following conditions:

- Operating when outside temperatures remain below freezing and when most trips are less than 4 miles (6 km); or
- Idling for extended periods and/or low speed operation such as in door-to-door delivery;

Also follow Schedule I when:

- Towing a trailer;
- Operating in dusty areas; or
- Using your car in taxi, police car, delivery or daily rental service.

### FOOTNOTES:

\*An Emission Control Service.

\*\*In California, these are the minimum Emission Control Maintenance Services an owner must perform according to the California Air Resources Board. General Motors, however, urges that all Emission Control Maintenance Services shown be performed. To maintain your other new car warranties, all services shown in this folder should be performed.

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

ITEM NO.	TO BE SERVICED
1	Engine Oil & Oil Filter Change*
2	Chassis Lubrication
3	TBI Mounting Bolt Torque*
4	Cooling System Refill*
5	Front Wheel Bearing Repack
6	Transaxle Service
7	Spark Plug Replacement*
8	PCV Valve Insp.*
9	EGR System Service*
10	Air Cleaner Repl.*†
11	Engine Timing Check*
12	Spark Plug Wires & Distributor Insp.*
13	Fuel Tank, Cap & Lines Insp.*
14	Thermostatically Controlled Air Cleaner*

# Services For Your 1984 Fiero

WHEN TO PERFORM Miles (kilometers) or Months, Whichever Occurs First	The services shown in this schedule up to 48,000 miles (80,000 km) are to be performed after 48,000 miles at the same intervals.																		
	MILES (000)		3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	
	KILOMETERS (000)		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
Every 3,000 mi. (5000 km) or 3 mos.		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Every other oil change			●		●		●		●		●		●		●		●		
At 6,000 mi. (10000 km) only			** ●																
Every 30,000 mi. (50000 km) or 24 mos.												●							
See explanation for service interval in Section B.																			
See explanation for service interval in Section B.																			
Every 30,000 mi. (50000 km)												** ●							
Every 15,000 mi. (25 000 km) 24 mos.							●					●					●		
Every 30,000 mi. (50000 km) 36 mos.												●							
Every 15,000 mi. (25 000 km) 24 mos.							●					** ●					●		
Every 30,000 mi. (50000 km)												●							
Every 30,000 mi. (50000 km)												●							
Every 30,000 mi. (50000 km)												●							
Every 30,000 mi. (50000 km)												●							





# SECTION A—Scheduled Maintenance Ser

## SCHEDULE II

**SCHEDULE II** Follow Schedule II if, as a general rule, you drive your car on a daily basis for several miles (km) and none of the conditions apply in Schedule I.

### FOOTNOTES:

\*An Emission Control Service.

\*\*In California, these are the minimum Emission Control Maintenance Services an owner must perform according to the California Air Resources Board. General Motors, however, urges that all Emission Control Maintenance Services shown be performed. To maintain your other new car warranties, all services shown in this folder should be performed.

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

ITEM NO.	TO BE SERVICED
1	Engine Oil Change*
	Oil Filter Change
2	Chassis Lubrication
3	TBI Mounting Bolt Torque*
4	Cooling System Refill*
5	Front Wheel Bearing Repack
6	Transaxle Service
7	Spark Plug Replacement*
8	PCV Valve Insp*
9	EGR System Service*
10	Air Cleaner Repl*†
11	Engine Timing Check*
12	Spark Plug Wires & Distributor Insp*
13	Fuel Tank, Cap & Lines Insp*
14	Thermostatically Controlled Air Cleaner*

# Services For Your 1984 Fiero

WHEN TO PERFORM Miles (kilometers) or Months, Whichever Occurs First	The services shown in this schedule up to 45,000 miles (75000 km) are to be performed after 45,000 miles at the same intervals.						
	MILES (000)	7.5	15	22.5	30	37.5	45
	KILOMETERS (000)	12.5	25	37.5	50	62.5	75
Every 7,500 mi. (12 500 km) or 12 mos.		●	●	●	●	●	●
At first and then every other oil change		●		●		●	
Every 7,500 mi. (12 500 km) or 12 mos.		●	●	●	●	●	●
At 7,500 mi. (12 500 km) only		** ●					
Every 30,000 mi. (50 000 km) or 24 mos.					●		
Every 30,000 mi. (50 000 km)					●		
See explanation for service interval in Section B.							
Every 30,000 mi. (50 000 km)					** ●		
Every 22,500 mi. (37 500 km) 24 mos.				●			●
Every 30,000 mi. (50 000 km) 36 mos.					●		
Every 22,500 mi. (37 500 km) or 24 mos.				●			●
Every 30,000 mi. (50 000 km)					●		
Every 30,000 mi. (50 000 km)					●		
Every 30,000 mi. (50 000 km)					●		
Every 30,000 mi. (50 000 km)					●		



## SECTION B—Explanation of Scheduled

*A brief explanation of the services listed in the preceding Scheduled Maintenance Services chart is presented below. After services are completed, fill in the "Maintenance Record" at the end of this folder. When the following maintenance services are performed, make sure all questionable parts are replaced and all necessary repairs are performed before operating your vehicle.*

### Item

#### No. Service

#### **1 ENGINE OIL AND OIL FILTER CHANGE\***

—Always use SF-QUALITY OILS OF PROPER VISCOSITY. Also, always change oil and filter as soon as possible after driving in a dust storm. See Owner's Manual for further details.

#### **2 CHASSIS LUBRICATION**—Lubricate all grease fittings in front and rear suspension and steering linkage. Lubricate transaxle shift linkage, clutch pedal pivot point and actuator rod pin, front and rear compartment lid latches and hinges, door hinges, parking brake cable guides, underbody contact points and linkage.

#### **3 TBI MOUNTING TORQUE**—Check torque of mounting bolts and/or nuts.

### Item

#### No. Service

#### **4 COOLING SYSTEM REFILL\***—Drain, flush and refill system with new coolant. It is important to follow the specific procedure in the Service Manual or Owner's Manual to obtain a complete fill and avoid possible engine damage.

#### **5 FRONT WHEEL BEARING REPACK**

- SEVERE SERVICE (USES SUCH AS POLICE CAR OR DELIVERY SERVICE)—Clean and repack front wheel bearings at each brake relining or 15,000 miles (25 000 km), whichever comes first.
- NORMAL SERVICE—Clean and repack front wheel bearings at each brake relining or 30,000 miles (50 000 km), whichever comes first.

BE SURE TO USE PROPER LUBRICANT AS SHOWN IN THE "RECOMMENDED FLUIDS AND LUBRICANTS" CHART IN THIS FOLDER.

#### **6 TRANSAXLE SERVICE**—The manual transaxle fluid does not require changing. For automatic transaxles, change both the fluid and filter every 15,000 miles (25 000 km) if the car is mainly driven under one or more of these conditions:



# Maintenance Services

Item  
No.

Service

- In heavy city traffic where the outside temperature regularly reaches 90°F (32°C).
- Operating in dusty areas.
- In hill or mountain areas.
- Frequent trailer pulling.
- Uses such as found in police car or delivery service.

If you do not use your car under any of these conditions, change both the fluid and filter every 100,000 miles (160 000 km).

See Owner's Manual for further details.

## **7 SPARK PLUG REPLACEMENT\***—

Replace with type listed in your Owner's Manual.

## **8 POSITIVE CRANKCASE VENTILATION (PCV) VALVE INSPECTION\***—

Inspect valve at each oil change for proper function. Replace valve if necessary as well as any worn, plugged or collapsed hoses.

## **9 EGR SYSTEM SERVICE\***—

Conduct EGR operation system check and cleaning as covered in Service Manual. Replace parts as required.

Item  
No.

Service

## **10 AIR CLEANER REPLACEMENT\***—

Replace every 24 months or 22,500 miles (37 500 km). Replace more often under dusty conditions. Inspect condition at each oil change. Ask your dealer for the proper replacement interval for your driving conditions.

## **11 ENGINE TIMING CHECK\***—

Adjust timing to engine compartment lid label specifications.

## **12 SPARK PLUG WIRES AND DISTRIBUTOR INSPECTION\***—

Clean wires. Inspect for burns, cracks or other damage. Check the boot fit at distributor cap and spark plugs. Inspect inside and outside of the cap and rotor for cracks, carbon tracking and corrosion. Replace as needed.

## **13 FUEL TANK, CAP AND LINES INSPECTION\***—

Inspect for damage or leaks. Inspect fuel cap gasket for an even filler neck imprint or any damage. Replace parts as needed.

## **14 THERMOSTATICALLY CONTROLLED AIR CLEANER\***—

Inspect all hoses and ducts for proper hook-up. Make sure valve works properly.



## SECTION C—Owner Inspection And Service

Listed below are vehicle inspections and services which should be made by either you or a qualified technician at the frequencies indicated to help ensure proper safety, emission performance and dependability of your vehicle. Take any problems promptly to your dealer or a 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.

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
<b>BEFORE OPERATING YOUR CAR</b>	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, light and reflector condition	Look for broken, scratched, dirty or damaged glass, mirrors, lights or reflectors that could reduce vision, or 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, and lock tightly.
	Engine Air Body Scoop	Make sure there are no obstructions, such as leaves, paper or ice covering the scoop opening.
<b>WHILE OPERATING YOUR CAR</b>	Automatic transaxle shift indicator operation	Make sure the display indicates the gear chosen.



FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
<b>WHILE OPERATING YOUR CAR</b>	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 in "defrost" position and fan in "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 the brake warning light comes on, something may be wrong. See your Owner's Manual.
	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.
	Tires, wheels and alignment	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 beams seem improperly aimed, headlights should be adjusted.



## SECTION C—Owner Inspection And Serv

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
<b>AT EACH FUEL FILL</b>	Engine oil level†	Check level and add if necessary. See Owner's Manual.
	Engine coolant level and condition†	Check level in coolant reservoir tank and add if necessary. Inspect coolant and replace if dirty or rusty. See Owner's Manual.
	Windshield washer fluid level	Check level in reservoir and add if necessary.
<b>AT LEAST MONTHLY</b>	Tire pressure check (include spare)	Maintain pressures as shown on Tire Placard on the driver's door. Pressure should be checked when tires are "cold."
	Light Operation	Check operation of license plate light, sidemarker lights, headlights, including high beams, parking lights, taillights, brake lights, turn signals, backup lights and hazard warning flashers.
	Fluid leak check	Periodically, 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.
<b>AT LEAST SEMI-ANNUALLY</b> (FOR EXAMPLE, EVERY SPRING AND FALL)	Brake master cylinder reservoir level†	Check fluid level. Note: A low fluid level can indicate worn disc brake pads and should be checked.
	Clutch master cylinder reservoir level†	Check level as explained in the Owner's Manual, Section 5 and keep at proper level.

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

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
<b>EACH TIME OIL IS CHANGED</b>	Automatic transaxle fluid level†	Maintain level within operating range on dipstick. Refer to Owner's Manual.
	Tire and wheel inspection and rotation	Check tires for abnormal wear or damage. Also, check for damaged wheels. To equalize tire wear and obtain maximum tire life, it is suggested that tires be rotated at about 7,500 miles (12 500 km) then each 15,000 miles (25 000 km) thereafter. See "Tires" in Owner's Manual, Section 5 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, chaffing, etc.; inspect disc brake pads for wear and rotors for surface condition; inspect other brake parts, including parking brake, etc. at the same time; check parking brake adjustment. <b>INSPECT BRAKES MORE OFTEN IF HABIT OR CONDITIONS RESULT IN FREQUENT BRAKING.</b>
	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 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-place parts as well as open seams, holes, loose connections or other conditions which could cause heat build up or could let exhaust fumes seep into the storage or passenger compartment.





## SECTION C—Owner Inspection And Serv

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
<b>EACH TIME OIL IS CHANGED (CONT'D)</b>	Throttle linkage inspection	Inspect for damaged or missing parts, interference or binding.
	Engine drive belts	Inspect all belts for cracks, fraying and wear. Check tension. Adjust or replace as needed.
	Manual transaxle	Check fluid level and add as required.
	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.
<b>AT LEAST ANNUALLY</b>	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."
	Starter safety switch operation	<b>CAUTION:</b> Before performing the following safety 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 "P" (Park) or "N" (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.

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
<b>AT LEAST ANNUALLY (CONT'D)</b>	Seatback latch operation	Be sure seatbacks latch by pushing back and forth on seatbacks. See Owner's Manual for latch operating information.
	Lap and shoulder belts condition and operation	Inspect belt system, including: webbing, buckles, latch plates, retractors and anchors.
	Parking brake and automatic transaxle "Park" mechanism operation	Park on a fairly steep hill and hold the car with the parking brake only. This checks holding ability. For automatic transaxle, check "Park" by releasing all brakes after shifting the transaxle to "P" (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 vehicle 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. <b>Carefully follow cooling system refill instructions in the service manual when refilling the cooling system.</b> 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.

\*An Emission Control Service



## SECTION D—Maintenance Record

After each of the services performed, record in the proper schedule below the date, odometer reading and who performed the service. In addition, retain copies of your receipts. The glove box literature envelope is a convenient place to store them.

Schedule I			
Service Interval	Date	Odometer Reading	Performed By
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			



After each of the services performed, record in the proper schedule below the date, odometer reading and who performed the service. In addition, retain copies of your receipts. The glove box literature envelope is a convenient place to store them.

Schedule II			
Service Interval	Date	Odometer Reading	Performed By
7,500 mi. 12,500 km			
15,000 mi. 25,000 km			
22,500 mi. 37,500 km			
30,000 mi. 50,000 km			
37,500 mi. 62,500 km			
45,000 mi. 75,000 km			



## SECTION E—Fluids And Lubricants

USAGE	RECOMMENDED FLUIDS/LUBRICANTS
Engine Oil	SF, SF/CC or SF/CD
Engine Coolant	Mixture of water and good quality ethylene glycol base anti-freeze conforming to GM spec. 1825M (GM Part No. 1052753)*
Brake and Hydraulic Clutch Systems	Delco Supreme 11 Fluid (GM Part No. 1052535)* or DOT-3 Fluid
Parking Brake Cables	Chassis grease meeting requirements of GM-6031M (GM Part No. 1051344)*
Automatic Transaxle	DEXRON*-II Automatic Transmission Fluid (GM Part No. 1051855)*
4 Speed Manual Transaxles	SAE 5W-30 Engine Oil SF, SF/CC or SF/CD
Manual Transaxle Shift Linkage and Hydraulic Clutch Pedal Actuator Rod Pin	Chassis grease meeting requirements of GM-6031M (GM Part No. 1051344)*
Key Lock Cylinders	Light oil or general purpose silicone lubricant (GM Part No. 1052276)*
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. 1051344)*
Windshield Washer Solvent	GM Optikleen Washer Solvent (GM Part No. 1051515)* or equivalent
Front and Rear Compartment Lid Latch Assemblies	a) Engine Oil
a) Pivots and Spring Anchor	b) Chassis grease meeting requirements of GM-6031M (GM Part No. 1051344)*
b) Release Pawl	
Front Wheel Bearings	Lubricant GM Part No. 1051344* or equivalent
Body Door Hinge Pins, Fuel Door Hinge, Front and Rear Compartment Lid Hinges	Engine Oil

\*Fluids and lubricants identified with GM part numbers or GM Specification numbers may be obtained from your GM dealer.

