

London Motors Corporation

"The American Sports Car Company"

THE LONDON ROADSTER

GENERAL MAINTENANCE AND SERVICE MANUAL

OWNER Robert McKam

DEALER Luck Chevrolet

SALES REPRESENTATIVE JACK LUCK

DATE PURCHASED 4-8-86

VEHICLE NUMBER LCNLF605110060104

the London Roadster



25910 Michigan Avenue • Inkster, Michigan 48141
(313) 277-1800

I BASIC LONDON ROADSTER CARE

The following brief guide will help you keep your LONDON ROADSTER looking as good as it runs.

CARE OF CAR FINISH

The longer dirt is left on the body the greater the risk of damaging the glossy finish, either by scratching or simply due to the chemical effect dirt particles have on the surface.

WASHING

The LONDON ROADSTER should never be cleaned at an automatic car wash. WASH ONLY BY HAND. Never wash the car in direct sunlight. Beads of water not only leave spots when dried rapidly in the sun's heat, they also act as tiny magnifying glasses that burn spots into the finish. Use plenty of water, a car-wash soap and a soft sponge.

Begin by spraying water over the dry car to remove all loose dirt. Then apply lukewarm soapy water. Rinse the car after sponging off the soapy water, using plenty of clear water under as little pressure as possible. Wipe the car dry with a chamois or soft terrycloth towels to prevent water-spotting.

WAXING

For a long-lasting, protective, and glossy wax finish after the car has been washed and dried, apply a hard wax. Waxing is not needed after every washing, and a more effortless shine can be obtained by using a car-wash liquid that contains wax. You can tell when waxing is required by looking at the finish while it is wet. If the water coats the paint in smooth sheets instead of forming beads that roll off, waxing is in order.

POLISHING

Use Rubbing Compound only if the finish assumes a dull look after long service. You can use polish on the car's brightwork to remove tar spots and tarnish, but afterwards apply a coat of wax to protect the clean plating.

WASHING CHASSIS

The best time to wash the underside of the car is just after it has been driven in the rain. Spray the chassis with a powerful jet of water to remove dirt and deicing salt that may have accumulated there.

SPECIAL CLEANING

Tar spots can be removed with tar remover. Never use gasoline, kerosene, nail polish remover, or other unsuitable solvents. Insect spots also respond to tar remover. A bit of baking soda dissolved in the wash water will facilitate their removal. You can also use this method to remove spotting from tree sap.

To clean debris from the windshield wiper blades, remove the blades periodically and scrub them with a hard bristle brush and alcohol or a strong detergent solution. The windows can be cleaned with a sponge and warm water and then dried with a chamois or soft towel. If you use commercial window washing preparations, make certain they are not damaging to automotive finishes.

II CARE OF INTERIOR/ CONVERTIBLE TOP

The vinyl welting around the body must be kept pliable if it is to remain looking like new. Either spray these parts with silicone spray, or coat them with talcum powder. Petroleum products are harmful to vinyl and should never be used.

CLOTH UPHOLSTERY AND CARPET

Clean the carpet with a vacuum cleaner or whisk broom. Dirt spots can usually be removed with lukewarm soapy water. Use spot remover for grease and oil spots. Do not pour the liquid directly onto the carpet, but dampen a clean cloth and rub carefully, starting at the edge of the spot and working inward.

LEATHERETTE UPHOLSTERY AND TRIM

Either use an all purpose cleaner or a dry foam cleaner. Grease or paint spots can be removed by wiping with a cloth soaked in the cleaner. Use the same cleaner, applied with a soft cloth or brush, on the convertible top and side curtains.

PLASTIC WINDOWS

The windows in the top and side curtains of The LONDON ROADSTER are prone to scratch if an abrasive is used in cleaning. Wash only with a soft cloth and water or commercial window cleaner. Do not use paper towels.

TIRES

Never use tar remover, gasoline or any other petroleum-based substance for cleaning tires. Such liquids damage rubber. Rubber paints, commonly sold as tire dressing, are largely cosmetic. White sidewalls can be cleaned with all purpose cleaner.

ACCESSORIES

Most chrome plated accessories can be polished and waxed along with the rest of the car's trim. Radio antennas should be lubricated only if hardened grease and collected dirt are interfering with raising and lowering antennas. Do not use abrasive polish or cleaners on aluminum trim or accessories. They will destroy the shine of anodized surfaces.

III CARE OF MECHANICAL COMPONENTS

A periodic checkup of your LONDON ROADSTER is extremely important in order to determine the amount of additional maintenance your car may need to ensure continued peak performance.

A. SERVICE AT 400 MILES

- ✓1. Change the oil. Clean the oil strainer
- ✓2. Adjust valves
- ✓3. Clean air filter
- ✓4. Replace fuel filter
- ✓5. Fine tune carburetor
- ✓6. Check timing
- ✓7. Engine idle; Check and if necessary, adjust
- ✓8. Lubricate front end
- ✓9. Visually inspect chassis
- ✓10. Check tire pressure
- ✓11. Check brake adjustment

B. SERVICE EVERY 3000 MILES (5000 KM)

The engine in your LONDON ROADSTER requires little oil. But for long engine life, this oil should be changed every 3,000 miles (5000 km). An oil change at an authorized dealer includes the services listed below:

1. Change the oil. Clean the oil strainer
2. Adjust valves
3. Clean air filter
4. Replace fuel filter
5. Fine tune carburetor
6. Check timing
7. Engine idle; Check and if necessary, adjust
8. Lubricate front end
9. Visually inspect chassis
10. Check tire pressure
11. Check brake adjustment
12. Check clutch
13. Check PCV box filter

C. SERVICE EVERY 6000 MILES (10,000KM)

1. Change the oil. Clean the oil strainer
2. Adjust valves
3. Clean air filter
4. Replace fuel filter
5. Fine tune carburetor
6. Check timing
7. Engine idle: Check and if necessary, adjust
8. Lubricate front end
9. Visually inspect chassis
10. Check tire pressure
11. Check brake adjustment
12. Check clutch
13. Check PCV box filter
14. Check steering free play
15. Rotate tires
16. Lubricate door hinges
17. Transmission: Check the oil level. Add oil if necessary
18. Transmission Oil capacity is 2 1/2 quarts

ENGINE AND CLUTCH (INCLUDING FUEL SYSTEM)

1. V. belt: Check the tension and condition
2. Ignition system: Check the dwell and the timing with electronic equipment.
3. Compression: Check
4. Exhaust system: Check for damage
5. Manual transmission: Check the clutch pedal freeplay
6. Engine: Check the engine oil level.

TRANSMISSION AND REAR AXLE

1. Driveshafts: Check the boots for leaks

FRONT END AND STEERING

1. Check for excessive ball joint play
2. Steering: Check the play. Check the tie rods and the dust seals on the tie rod ends.
Note: When checking the front end and steering, the shock absorbers can be inspected and the rack and pinion steering can be inspected for leaks.

BRAKES, WHEELS AND TIRES

1. Brake system: Check for damage and leaks.
2. Brake pedal: Check the pedal freeplay and the pedal travel (brake adjustment).
3. Parking brake: Check the adjustment.
4. Brake fluid: Check the level. Use Girling brake fluid.
5. Brake linings or pads: Check thicknesses
6. Tires (including spare): Check for wear and damage. Check and correct the pressure.

ELECTRICAL SYSTEM

1. Starting system: Check with electronic equipment.
2. Charging system: Check with electronic equipment.

D. IN ADDITION EVERY 12000 MILES (20,000KM)

1. Ignition distributor: Replace the breaker points.
Then adjust the dwell angle and the timing.
2. Ignition system: Visually check the distributor cap and rotor.
3. Spark plugs: Replace.

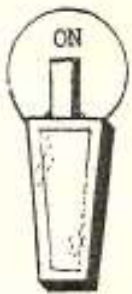
E. IN ADDITION EVERY 18000 MILES (30,000KM)

1. Air cleaner: Clean

F. IN ADDITION EVERY 24000 MILES (40,000KM)

1. Ignition Wires, distributor cap and distributor rotor:
Check and, if necessary, replace.
2. Clean and repack the front wheel bearings.
3. Brakes: Replace the brake fluid. Use Girling brake fluid

DASHBOARD TOGGLE SWITCH DESIGNATION



HEAD
LIGHTS



LEFT
FOG LAMP



RIGHT
FOG LAMP



INTERIOR
LIGHT



DEFROST



WINDSHIELD
WIPPERS

JACK INSTRUCTIONS

DO NOT PLACE JACK UNDER BUMPER, BUMPER SUPPORTS FLOOR PAN OR ANY PART OF FIBERGLASS BODY.
ONLY PLACE JACK UNDER SOLID SECURED PIECE OF STEEL

1. Set parking brake and place shift lever in reverse.
2. Remove wheel cover with tapered end of jacking wrench by inserting and twisting handle and then prying against inner wheel cover flange.
3. Loosen wheel lug nut with jacking wrench about one half turn. Pulling up on handle rather than pushing is recommended to develop maximum force to loosen wheel lug nuts.
4. A. To elevate rear tire;
Position flat portion of jack under the frame rail
B. To elevate front tire;
Position flat of jack under the head frame not under the control arm.
5. Raise vehicle until tires clear ground to complete full turn of jack wrench, position handle horizontally as it nears ground.
6. Remove lug nuts and wheel, install spare tire and tighten lug nuts alternately and evenly.
7. Lower vehicle until tire touches ground and securely tighten lug nuts in same sequence.
8. Finish lowering vehicle and install wheel cover.

THE LONDON ROADSTER

MAINTENANCE SCHEDULE LOG FORM

400 MI. SERVICE EXAMINATION

Date 4/8/86 EXACT MILEAGE 409
Performed by: Name _____
Address MIDWAY AUTOMOTIVE
Route 4, Box 226
City and State Glenn Allen, VA 23060
Phone PHONE: 798-0827
Signature Michael A. Roberts

3,000 MI. SERVICE EXAMINATION

Date 5/29/87 EXACT MILEAGE 3394
Performed by: Name _____
Address MIDWAY AUTOMOTIVE
Route 4, Box 226
City and State Glenn Allen, VA 23060
Phone PHONE: 798-0827
Signature Michael A. Roberts

6,000 MI. SERVICE EXAMINATION

Date 9/24/87 EXACT MILEAGE 6738
Performed by: Name _____
Address MIDWAY AUTOMOTIVE, INC.
ROUTE 4, BOX 226
City and State GLEN ALLEN, VA 23060
Phone PHONE: 798-0827
Signature _____

9,000 MI. SERVICE EXAMINATION

Date 4/27/89 EXACT MILEAGE 7312
Performed by: Name McLear
Address _____
City and State _____
Phone _____
Signature _____

MECHANICAL AND SAFETY
DELIVERY INSPECTION PROCEDURE

1. Check and tighten lug nuts on wheels. Mount wheel covers.
 2. Check tire pressure.
 3. General check -
 - Brakes
 - Clutch
 - Steering
 - Tightness of nuts, bolts and all fittings
 4. Vehicle ID number is located directly under the seat.
- * Check Tightness of locking nuts on front suspension and steering mechanism (ball joints and tie rods).
 - * Check front end alignment - align if necessary.
 - * IMPORTANT - MAKE SURE OIL LEVEL IN ENGINE IS FULL AND OIL CAP IS SECURELY ATTACHED.
- ** REMOVE HOOD ORNAMENT COVERING GENTLY!!

DEALER DESTINATION Robert McKeon

ADDRESS 315 Riverside Drive

DELIVER TO: LUCK CHEVROLET

CITY, STATE Ashland, Virginia 23005

Jack Luck

Route 1

PHONE 804-798-1716

Ashland, Virginia

804-798-9261

VEHICLE ID NUMBER LCWL8605110060104

QUALITY CONTROL INSPECTION BY: BH

INSPECTOR STICKER
3-94

582-2052

THE LONDON ROADSTER

MAINTENANCE SCHEDULE LOG FORM

400 MI. SERVICE EXAMINATION

Date 4/8/81 EXACT MILEAGE 1101
Performed by: Name _____
Address MIDWAY AUTOMOTIVE
Route 4, Box 226
City and State Glenn Allen, VA 23060
Phone PHONE: 798-0827
Signature Michael A. Roberts

3,000 MI. SERVICE EXAMINATION

Date 5/29/87 EXACT MILEAGE 3394
Performed by: Name _____
Address MIDWAY AUTOMOTIVE
Route 4, Box 226
City and State Glenn Allen, VA 23060
Phone PHONE: 798-0827
Signature Michael A. Roberts

6,000 MI. SERVICE EXAMINATION

Date 7/28/87 EXACT MILEAGE 6735
Performed by: Name _____
Address MIDWAY AUTOMOTIVE, INC.
ROUTE 4, BOX 226
City and State GLEN ALLEN, VA 23060
Phone PHONE: 798-0827
Signature _____

9,000 MI. SERVICE EXAMINATION

Date 11/27/89 EXACT MILEAGE 7312
Performed by: Name McLennan
Address _____
City and State _____
Phone _____
Signature _____

CAR presently has a 3-94 inspection sticker

THE LONDON ROADSTER

MAINTENANCE SCHEDULE LOG FORM

12,000 MI. SERVICE EXAMINATION

Date _____ EXACT MILEAGE _____

Performed by: Name _____

Address _____

City and State _____

Phone _____

Signature _____

15,000 MI. SERVICE EXAMINATION

Date _____ EXACT MILEAGE _____

Performed by: Name _____

Address _____

City and State _____

Phone _____

Signature _____

Attn: Service Manager

LONDON ROADSTER MAINTENANCE SPECIFICATIONS

Oil - use standard weight for climate (400 Miles & every 3000 Miles thereafter)

Adjust valve (cold) at .006 (400 Miles & every 3000 Miles thereafter)

To adjust valve: Remove valve covers and set #1 cylinder to top dead center and adjust both valves to .006 cold. Turn engine counter clockwise until #2 cylinder reaches top dead center and adjust valves. Repeat procedure in order for cylinders #3 and #4.

Check V Belt adjustment (400 & every regular maintenance check)

To tighten V-Belt: Remove shims from the middle of generator pulley. Place unused shims under the nut on the front of pulley so that they may be used again. Tighten nut.

Check Brake Adjustment (400 & every regular maintenance check)

Check Clutch adjustment (1 inch free play) (400 & every regular maintenance check)

To adjust clutch: Locate wingnut at the end of the clutch cable in rear of engine on left side. To tighten the clutch pedal tension turn the wingnut clockwise so that pedal has 3/4 to 1 inch of free play. To loosen the clutch - turn wingnut counter clockwise and check for free play.

Lubricate front end and all hinges (every 2000)

Service Washers

Check tire press - Front 16 lbs - Rear 22 lbs

Service Air Cleaner (400 Miles & every 3000 Miles thereafter)

Tune engine 9000 miles (use Bosch plugs only) .0025

Every 30,000 miles repack front and rear wheel bearings and C V Joints.

Flush Brake Fluid every 30,000 Miles, use Girling brake fluid.

Point Gap .016

Timing 4-7° BTDC

TIME ESTIMATES FOR SERVICE WORK

Tune-up

1. Carburetor
2. Points
3. Timing
4. Compression
5. Spark Plugs
6. Miscellaneous

Total 60 Minutes

Valve Adjustment

30 Minutes

Belt Adjustment

15 Minutes

Oil Change

15 Minutes

Alignment

Toe in

$\frac{1}{8}''$

Camber

$\frac{1}{2}^{\circ}$ Neg to 0 positivo

Caster

Run as much as possible
 $2-9^{\circ}$

**London
Motors
Corporation**

DEARBORN, MICHIGAN



**VEHICLE
WARRANTY
AGREEMENT**

**London
Roadster**

inspection station

**London
Motors
Corporation**
Baraborn, Michigan

WARRANTY

LONDON MOTORS CORPORATION offers the following LIMITED WARRANTY on all London Roadster automobiles manufactured by them and sold through their authorized dealers to the original purchasers operated for normal use in the United States of America:

LIMITED WARRANTY

12 Months or 12,000 Miles (19,312 Kilometers)

NORMAL OPERATING USE

In the United States of America, continental limits.

WARRANTY

LONDON MOTORS CORPORATION will repair, replace, or adjust without charge, any parts (except tires and radio), found to be defective in factory materials or workmanship, within the earlier of 12 months or 12,000 miles (19,312 Kilometers) from date of delivery.

OPERATING REQUIREMENTS

In order that this Warranty be effective LONDON MOTORS CORPORATION requires that the Limited Warranty extends only to the original purchaser of the London Roadster, and operated for normal use in the U. S. of A. continental limits. That the purchaser operate the vehicle in a normal manner, at engine speeds not to exceed 3,000 RPM in first 300 miles (480 Kilometers) and 3,500 RPM thereafter. Evidence of excessive engine speeds, or lack of proper prescribed oil changes or other abuses, will render this Limited Warranty null and void. London Motors Corporation further requires that normal maintenance, including regular oil and oil filter changes be made (at owners expense) beginning at the end of the first 300 mile break-in period and continuing every 3,000 miles thereafter, in addition to regular and normal care and maintenance. A valve adjustment is required after the first 300 miles (at owners expense).

EXPRESSED WARRANTY

London Motors Corporation offers no expressed warranty other than that stated above on this vehicle. To the extent allowed by law:

- 1) Any implied warranty of merchantability or fitness for use is limited to the 12 months or 12,000 mile duration of this written warranty.
- 2) Neither London Motors Corporation nor the selling dealer shall have responsibility for loss of use of the vehicle, loss of time, inconvenience, commercial loss or damages.

ADJUSTMENTS COVERED BY WARRANTY

Adjustments that are refittings in original factory fit, alignment (excluding wheels and tires) and performance, as required in normal use, will be provided without charge to the original purchaser one time only, on the following items:

- a) Carburetor and distributor
- b) Doors, hood, and engine cover
- c) Cooling and fuel system cleaning (caused by contamination during assembly)
- d) Oils, lubricants, and fluids (when not supplied to proper amounts during assembly)
- e) Trim, glass, and canvas alignments
- f) Tightening of nuts, bolts, and fittings.

LONDON MOTORS CORPORATION will correct all defects in materials and workmanship (except tires and radio) within the terms of the Limited Warranty. The owner is responsible for handy repairs caused by:

- 1) Operating abuse
- 2) Violation of regular and normal maintenance specified in this Limited Warranty
- 3) Accident, fire or other casualty damages
- 4) Racing, overload, road hazards, other nuisance, abuse or negligence
- 5) Modification or unauthorized repair or attempted repairs during warranty period.

LONDON MOTORS CORPORATION

DATE _____

DEALER _____

LOCATION _____

GENERAL SPECIFICATIONS

Coach

Custom built steel supported fiberglass with heavy duty steel chassis

Engine

1.8 liter 4 cyl. air-cooled rear mount — 85 HP (approx.) Custom Built

Suspension

Independent four wheel
Coil front-leaf rear

Steering — Rack and pinion

Drive Train

4 speed sychromesh transmission with trans-axle differential

Brakes

Drum — Rear, Disc — Front

Heater

Dual manifold type

Tires

Steel belted radials

Radio

AM-FM stereo cassette tape track

Interior

Automotive vinyl with coordinated carpeting, walnut steering wheel, and woodgrain dash

Top

Color coordinated vinyl

Contoured Bench Seats

Wheel Covers

Deluxe wire spoke type

Instruments

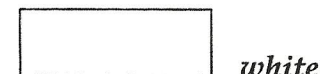
Speedometer, odometer, tachometer, fuel guage, oil guage, ammeter

European Type Fog Lamps

Prices and specifications subject to change without notice.

Height (with top)	57"
Length	147"
Wheelbase	94"
Road Clearance	8"
Width (front)	58"
Width (rear)	59"
Tire Size	165 x 15"
Curb Weight (approx.)	1700 lbs
Seating	2
Fuel Capacity	12 gal.
MPG (est) reg. gas	City-25 Hwy-35

DESIGNER COLOR SELECTION Body Colors



white



red



cream



burgundy



British racing green



yellow



beige



black



brown

Color Co-ordinated Interior and Top

"THE LONDON ROADSTER"

The London Roadster was conceived in Dearborn, Michigan, where it is manufactured today. The Roadster was designed to fill a desire held by countless Americans for a one time, life time, American built open air sports car of distinction.

London Motors Corporation (the American Company with an English name) dedicates itself to building a car with the highest quality material and craftsmanship obtainable; incorporating these fine attributes into a superbly classic design which would never tire its owners or their envious friends.

The London Roadster is a limited edition motor car. Although unique and exclusively distinctive, the London Roadster is moderately priced.

London Motors Corporation

The American Sports Car Company

ROADSTER

BASE PRICE: \$14985.00 *Plus Freight

BASE VEHICLE SPECIFICATIONS

CHASSIS: CUSTOM BUILT HEAVY STEEL CHASSIS

BODY: FIBERGLASS - LIFETIME COLOR LUSTER

ENGINE: 1.8 LITER-4 CYL.-AIR COOLED-85 H.P. (APPROX.) CUSTOM BUILT

SUSPENSION: INDEPENDENT FOUR WHEEL

STEERING: RACK & PINION

DRIVE TRAIN: 4 SPD SYNCHROMESH TRANSMISSION

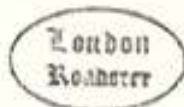
BRAKES: DISC FRONT - DRUM REAR

HEATER: HEAVY DUTY DUAL MANIFOLD TYPE

EXTERIOR COLORS: WHITE, RED, CREAM, BURGUNDY, BRITISH RACING GREEN,
BLACK, AND BROWN

INTERIOR COLORS: COLOR COORDINATED AUTOMOTIVE VINYL

STANDARD EQUIPMENT: WHEEL COVERS, BUMPER GUARDS, CONVERTIBLE TOP AND
SIDE CURTAINS, WIND WINGS, AM RADIO, WINDSHIELD
WASHERS, WINDSHIELD DEFOGGER, FUEL GAUGE, OIL AND AMP
GAUGES, L H & R H SIDE VIEW MIRRORS.



ADDITIONAL ACCESSORY EQUIPMENT*

STEEL RADIAL WSW TIRES

KNOCK OFF HUBS AND WIRE WHEEL COVERS

FOG LAMPS (2)

GRILLE BADGES

DELUXE BODY MOLDINGS

DUAL CHROME EXTERIOR HORNS

AM/FM STEREO CASSETTE W/SPEAKERS

BOOT COVER (FOR CONVERTIBLE TOP)

HAND RUBBED WALNUT STEERING WHEEL

TACHOMETER

ENGINE CHROME AND ALUMINUM HARDWARE

TOTAL ACCESSORY EQUIPMENT RETAIL - \$2000.00

* Air conditioning option available on special order.