

HOW TO USE THIS BOOK 1-2

WHERE TO BEGIN 1-2
AVOIDING TROUBLE 1-2
MAINTENANCE OR REPAIR? 1-2
AVOIDING THE MOST COMMON
MISTAKES 1-2

TOOLS AND EQUIPMENT 1-3

SPECIAL TOOLS 1-4

SERVICING YOUR VEHICLE SAFELY 1-6

DO'S 1-6

DON'TS 1-6

FASTENERS, MEASUREMENTS AND CONVERSIONS 1-7

BOLTS, NUTS AND OTHER THREADED
RETAINERS 1-7

TORQUE 1-7

TORQUE WRENCHES 1-8

TORQUE ANGLE METERS 1-10

STANDARD AND METRIC
MEASUREMENTS 1-10

SERIAL NUMBER IDENTIFICATION 1-11

VEHICLE IDENTIFICATION PLATE 1-11

ENGINE NUMBER 1-11

TRANSMISSION/TRANSAXLE NUMBER 1-11

DRIVE AXLE 1-11

ROUTINE MAINTENANCE 1-13

AIR CLEANER 1-16

REMOVAL & INSTALLATION 1-16

FUEL FILTER 1-16

REMOVAL & INSTALLATION 1-16

PCV VALVE 1-18

REMOVAL & INSTALLATION 1-18

EVAPORATIVE CANISTER 1-18

SERVICING 1-18

BATTERY 1-18

PRECAUTIONS 1-18

GENERAL MAINTENANCE 1-18

BATTERY FLUID 1-18

CABLES 1-19

CHARGING 1-20

REPLACEMENT 1-20

BELTS 1-20

INSPECTION 1-20

ADJUSTING 1-20

REMOVAL AND INSTALLATION 1-21

HOSES 1-21

INSPECTION 1-21

REMOVAL & INSTALLATION 1-22

CV-BOOTS 1-22

INSPECTION 1-22

SPARK PLUGS 1-22

SPARK PLUG HEAT RANGE 1-23

REMOVAL & INSTALLATION 1-23

INSPECTION & GAPPING 1-24

SPARK PLUG WIRES 1-26

TESTING 1-26

REMOVAL & INSTALLATION 1-26

DISTRIBUTOR CAP AND ROTOR 1-27

REMOVAL AND INSTALLATION 1-27

INSPECTION 1-27

IGNITION TIMING 1-27

INSPECTION & ADJUSTMENT 1-28

VALVE LASH 1-28

ADJUSTMENT 1-28

IDLE SPEED AND MIXTURE

ADJUSTMENTS 1-28

ADJUSTMENT 1-28

AIR CONDITIONING SYSTEM 1-29

SYSTEM SERVICE & REPAIR 1-29

PREVENTIVE MAINTENANCE 1-30

SYSTEM INSPECTION 1-30

WINDSHIELD WIPERS 1-30

ELEMENT (REFILL) CARE &
REPLACEMENT 1-30

TIRES AND WHEELS 1-30

TIRE ROTATION 1-31

TIRE DESIGN 1-31

TIRE STORAGE 1-31

INFLATION & INSPECTION 1-31

FLUIDS AND LUBRICANTS 1-33

FLUID DISPOSAL 1-33

FUEL AND ENGINE OIL

RECOMMENDATIONS 1-33

FUEL 1-33

OIL 1-33

ENGINE 1-33

OIL LEVEL CHECK 1-33

CHANGING OIL & FILTER 1-34

AUTOMATIC TRANSAXLE 1-36

FLUID RECOMMENDATIONS 1-36

LEVEL CHECK 1-37

AUTOMATIC TRANSMISSIONS 1-37

FLUID RECOMMENDATIONS 1-37

PAN & FILTER SERVICE 1-37

DRIVE AXLE 1-38

FLUID RECOMMENDATIONS 1-38

LEVEL CHECK 1-39

DRAIN AND REFILL 1-39

COOLING SYSTEM 1-40

FLUID RECOMMENDATION 1-40

LEVEL CHECK 1-40

TESTING FOR LEAKS 1-40

DRAIN & REFILL 1-41

FLUSHING & CLEANING THE
SYSTEM 1-42

MASTER CYLINDER 1-42

FLUID RECOMMENDATION 1-42

FLUID LEVEL 1-42

POWER STEERING PUMP 1-43

FLUID RECOMMENDATION 1-43

LEVEL CHECK 1-43

CHASSIS GREASING 1-43

WHEEL BEARINGS 1-43

REPACKING 1-43

JUMP STARTING A DEAD BATTERY 1-45

JUMP STARTING PRECAUTIONS 1-45

JUMP STARTING PROCEDURE 1-45

JACKING 1-46

JACKING PRECAUTIONS 1-46

COMPONENT LOCATIONS

UNDERHOOD COMPONENT LOCATIONS—

3.8L ENGINE 1-13

UNDERHOOD COMPONENT LOCATIONS—

4.6L ENGINE 1-14

UNDERHOOD COMPONENT LOCATIONS—

5.0L ENGINE 1-15

SPECIFICATIONS CHARTS

LINCOLN VEHICLE IDENTIFICATION

CHART 1-11

ENGINE IDENTIFICATION AND

SPECIFICATIONS 1-12

GASOLINE ENGINE TUNE-UP

SPECIFICATIONS 1-29

MANUFACTURER RECOMMENDED

NORMAL MAINTENANCE

INTERVALS 1-46

MANUFACTURER RECOMMENDED SEVERE

MAINTENANCE INTERVALS 1-47

CAPACITIES 1-48

1

GENERAL INFORMATION AND MAINTENANCE

HOW TO USE THIS BOOK 1-2

TOOLS AND EQUIPMENT 1-3

SERVICING YOUR

VEHICLE SAFELY 1-6

FASTENERS, MEASUREMENTS

AND CONVERSIONS 1-7

SERIAL NUMBER IDENTIFICATION 1-11

ROUTINE MAINTENANCE 1-13

FLUIDS AND LUBRICANTS 1-33

JUMP STARTING A DEAD

BATTERY 1-45

JACKING 1-46