

**CHILTON'S** Repair and Tune-Up Guide

# Toyota Land Cruiser

ILLUSTRATED

21.65 (15)	24855.7	17.25 gal
21.09 (22)	25058.4	16.4 gal
1.880 (2)	25254.9	15.0 gal
19.50 (4)	25433.1	16.8 gal
17.49	25640.0	15.9 gal
23.00	25833.0	59.5 litres
*27.70	26016.1	58.1 litres
\$31.20	26232.0	12.5 gal
31.04	26407.4	16.0 gal
\$29.06	26569.4	54.0 litres
*35.00	26771.1	52.45 L
*31.02	26926.7	57.4 L
*29.00	27104	44.6 L
*26.24	27276.1	55.0 L
		45.

Prepared by the

**Automotive Editorial Department**

Chilton Book Company

Radnor, Pa.

19089  
215-687-8200

president and chief executive officer **WILLIAM A. BARBOUR**;  
executive vice president **K. ROBERT BRINK**; vice president and  
general manager **WILLIAM D. BYRNE**; editor-in-chief **JOHN D.  
KELLY**; managing editor **JOHN H. WEISE, S.A.E.**; assistant  
managing editor **PETER J. MEYER**; senior editor **KERRY A.  
FREEMAN**; editor **ROBERT J. BROWN**

*17.00	27432.6	27.00
19.40	27538.1	13 gal
15.80	27780	12 gal

**CHILTON BOOK COMPANY**

RADNOR, PENNSYLVANIA

Copyright © 1974 by Chilton Book Company  
First Edition  
*All Rights Reserved*  
Published in Radnor, Pa. by Chilton Book Company  
and simultaneously in Ontario, Canada  
by Thomas Nelson & Sons, Ltd.

Manufactured in the United States of America

*Library of Congress Cataloging in Publication Data*

Chilton Book Company. Automotive Editorial Dept.  
Chilton's repair and tune-up guide, Toyota land  
cruiser.

I. Toyota automobile. II. Title. III. Title:  
Repair and tune-up guide, Toyota land cruiser.  
TL215.T64C522 1975 629.28'7'22 74-32156  
ISBN 0-8019-6275-7  
ISBN 0-8019-6276-5 pbk.

## ACKNOWLEDGMENTS

Chilton Book Company expresses appreciation to the following  
for their cooperation and technical assistance in the preparation of  
this book:

Biscotte Toyota  
Norristown, Pennsylvania 19401

Man-A-Fre Company  
18736 Parthenia St.  
Northridge, California 91324

Toyota Motor Sales, U.S.A., Inc.  
Torrance, California 90504

Although the information in this guide is based on industry  
sources and is as complete as possible at the time of publication,  
the possibility exists that the manufacturer made later changes  
which could not be included here. While striving for total  
accuracy, Chilton Book Company cannot assume responsibility  
for any errors, changes, or omissions that may occur in the  
compilation of this data.



# Contents

27780  
24855.7  
02924.3  
+292.4  
3216.7

## Chapter 1 General Information and Maintenance . . . . . 1

- How to Use This Book, 1
- History, 1
- Model Identification, 2
- Serial Number Identification, 2
- Vehicle Identification Chart, 2
- Routine Maintenance, 3
- Capacities Chart, 7
- Lubrication, 9
- Wheel Bearing Failure Chart, 15
- Pushing, Towing and Jump Starting, 19
- Jacking and Hoisting, 20

## Chapter 2 Tune-Up and Troubleshooting . . . . . 21

- Tune-Up Procedures, 21
- Tune-Up Specifications Chart, 22
- General Tune-Up and Troubleshooting Section, 31

## Chapter 3 Engine and Engine Rebuilding . . . . . 48

- Engine Electrical, 48
- Firing Order, 48
- Alternator and Regulator Specifications, 51
- Engine Mechanical, 52
- Battery and Starter Specifications, 52
- Valve Specifications, 54
- Crankshaft and Connecting Rod Specifications, 54
- Torque Specifications, 55
- Piston and Ring Specifications, 55
- General Engine Specifications, 56
- Cylinder Head Bolt Tightening Sequence, 58
- Piston Ring Positioning, 61
- Piston and Connecting Rod Identification and Positioning, 62
- Engine Lubrication, 62
- Engine Cooling, 63
- General Engine Rebuilding Section, 65

## Chapter 4 Emission Controls and Fuel System . . . . . 87

- Emission Controls, 87
- Fuel System, 94
- Carburetor Specifications Chart, 102

## Chapter 5 Chassis Electrical . . . . . 103

- Heater, 103
- Windshield Wipers, 103
- Instrument Cluster, 105
- Ignition Switch, 105
- Lighting (Headlights), 105
- Light Bulb Specifications Chart, 105
- Fuses and Fusible Links, 105
- Wiring Diagrams, 106

## Chapter 6 Clutch and Transmission . . . . . 109

- Manual Transmission, 109
- Clutch, 110
- Transfer Case, 114

## Chapter 7 Drive Train . . . . . 116

- Driveline, 116
- Rear Axle, 117
- General Drive Axle Diagnostic Guide, 123
- Rear Axle Noise Diagnosis Chart, 124

## Chapter 8 Suspension and Steering . . . . . 125

- Front Suspension, 125
- Rear Suspension, 132
- Steering, 134

**Chapter 9 Brakes . . . . . 135**

Brake System, 135  
Hydraulic System, 136  
Front Drum Brakes, 137

Rear Drum Brakes, 139  
Parking Brake, 140  
Brake Specifications Chart, 142

**Chapter 10 Body . . . . . 143**

Doors, 143  
Hood, 145

Fuel Tank, 146  
Tailgate, 146

**Appendix . . . . . 147**