

TOYOTA DYNA REPAIR MANUAL FOR CHASSIS & BODY

INTRODUCTION	IN
CLUTCH	CL
MANUAL TRANSMISSION	MT
PROPELLER SHAFT	PR
FRONT AXLE AND SUSPENSION	FA
REAR AXLE AND SUSPENSION	RA
BRAKE SYSTEM	BR
STEERING	SR
DUMP MECHANISM	DM
BODY ELECTRICAL SYSTEM	BE
BODY	BO
AIR CONDITIONING SYSTEM	AC
SERVICE SPECIFICATIONS	A
STANDARD BOLT TIGHTENING TORQUE	B
SST AND SSM	C
ELECTRICAL WIRING DIAGRAMS	D

TOYOTA MOTOR CORPORATION

Copyright © 1979 Toyota Motor Corporation. This book may not be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the written permission of Toyota Motor Corporation.

TOYOTA DYNA REPAIR MANUAL FOR CHASSIS & BODY

INTRODUCTION	IN
CLUTCH	CL
MANUAL TRANSMISSION	MT
PROPELLER SHAFT	PR
FRONT AXLE AND SUSPENSION	FA
REAR AXLE AND SUSPENSION	RA
BRAKE SYSTEM	BR
STEERING	SR
DUMP MECHANISM	DM
BODY ELECTRICAL SYSTEM	BE
BODY	BO
AIR CONDITIONING SYSTEM	AC
SERVICE SPECIFICATIONS	A
STANDARD BOLT TIGHTENING TORQUE	B
SST AND SSM	C
ELECTRICAL WIRING DIAGRAMS	D

TOYOTA MOTOR CORPORATION

Copyright © 1977. This book may not be
reproduced or copied, in whole or in part,
without the written permission of Toyota
Motor Corporation.

HOW TO USE THIS MANUAL

To assist in finding your way through the manual, the Section Title and major heading are given at the top of every page.

An **INDEX** is provided on the first page of each section to guide you to the item to be repaired.

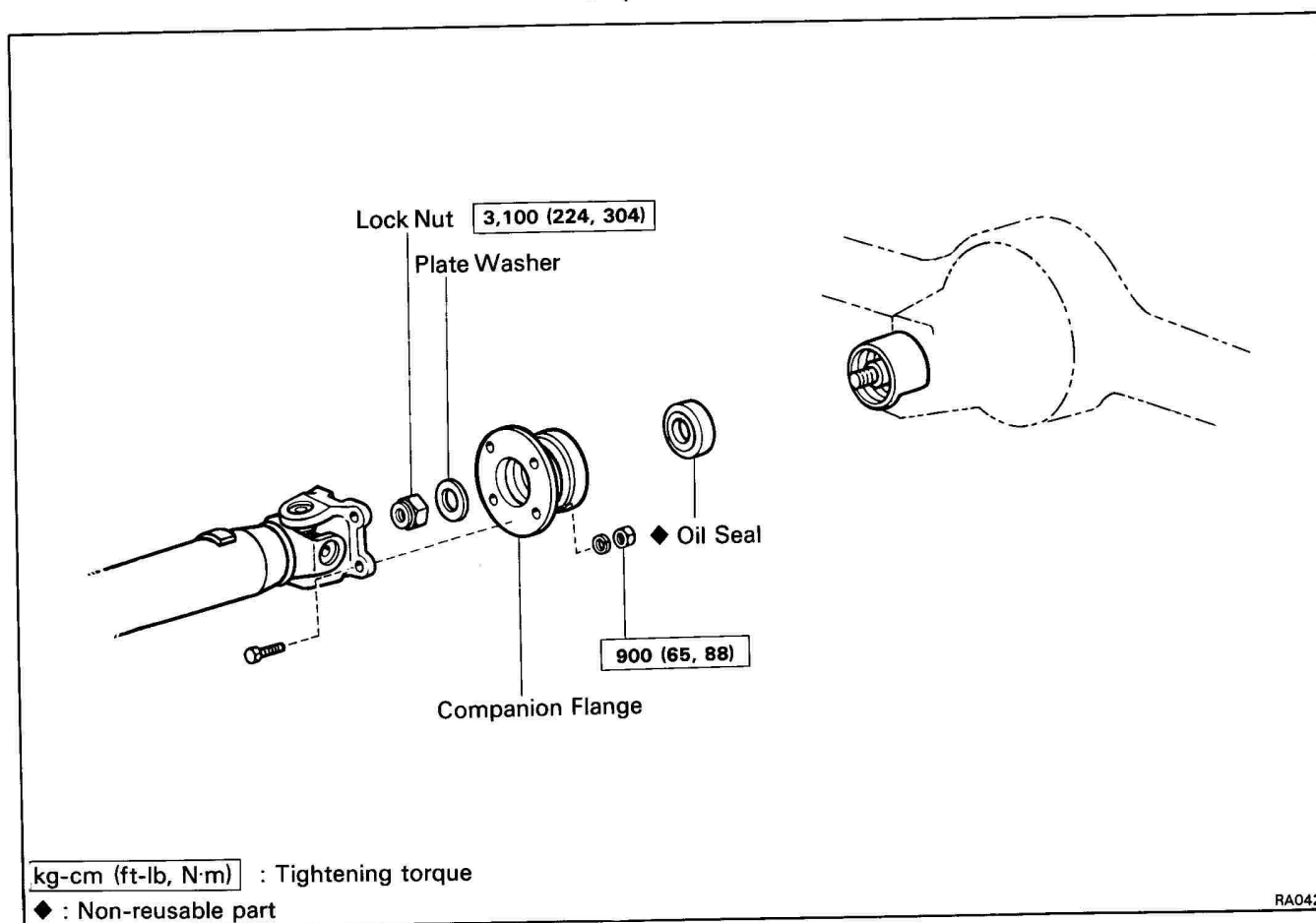
At the beginning of each section, **PRECAUTIONS** are given that pertain to *all* repair operations contained in that section. *Read these precautions before starting any repair task.*

TROUBLESHOOTING tables are included for each system to help you diagnose the system problem and find the cause. The repair for each possible cause is referenced in the remedy column to quickly lead you to the solution.

REPAIR PROCEDURES

Most repair operations begin with an overview illustration. It identifies the components and shows how the parts fit together.

Example:



The procedures are presented in a step-by-step format:

- The illustration shows *what* to do and *where* to do it.
- The task heading tells *what* to do.
- The detailed text tells *how* to perform the task and gives other information such as specifications and warnings.

Example:

*Illustration:
what to do and where*

Task heading: what to do
**CONNECT PROPELLER SHAFT FLANGE TO
COMPANION FLANGE**

- Align the marks on the flanges and connect the flanges with four bolts and nuts.
- Torque four bolts and nuts.

Detail text: how to do it
Torque: 600 – 750 kg-cm (44 – 54 ft-lb, 59 – 73 N·m)

Specification

This format enables the experienced technician to have a FAST TRACK. He can read the task headings and only refer to the detailed text when he needs it. Important specifications and warnings always stand out in bold type.

REFERENCES

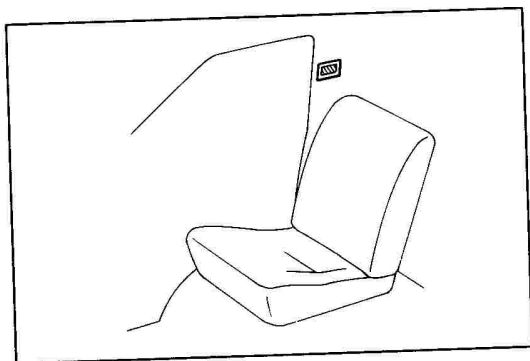
References have been kept to a minimum. However when they are required you are given the *page* to go to.

SPECIFICATIONS

Specifications are presented in bold type throughout the text in the applicable step. You never have to leave the procedure to look up your specs. All specifications are also found in Appendix A, Specifications for quick reference.

WARNINGS, CAUTIONS, NOTES:

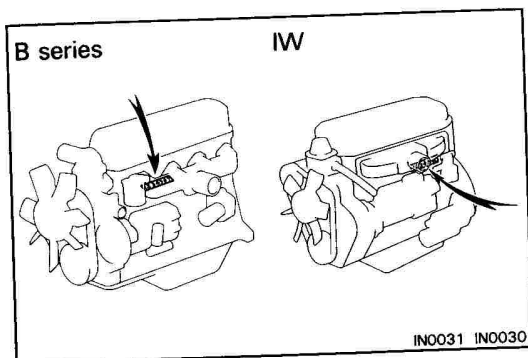
- **WARNINGS** are presented in bold type, and indicate there is a possibility of injury to you or other people.
- **CAUTIONS** are also presented in bold type, and indicate the possibility of damage to the components being repaired.
- **NOTES** are separated from the text but do not appear in bold. They provide additional information to help you efficiently perform the repair.



IDENTIFICATION INFORMATION

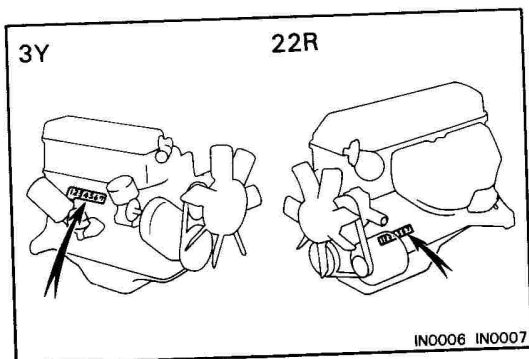
VEHICLE IDENTIFICATION NUMBER

The vehicle identification number is stamped on the base of the passenger seat. It is also stamped on the frame near the right front fender.



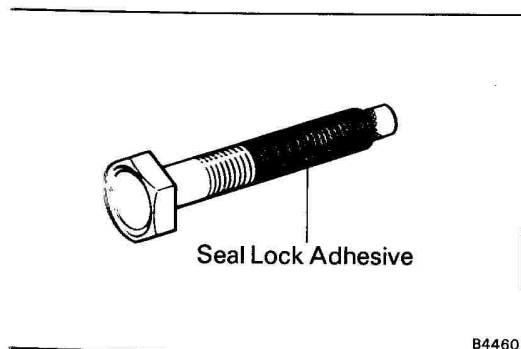
ENGINE SERIAL NUMBER

The engine serial number is stamped on the cylinder block, as shown.



GENERAL REPAIR INSTRUCTIONS

1. Use fender, seat and floor covers to keep the vehicle clean and prevent damage.
2. During disassembly, keep parts in order to facilitate reassembly.
3. Observe the following:
 - (a) Before performing electrical work, disconnect the cable from the battery terminal.
 - (b) If it is necessary to disconnect the battery for inspection or repair, always disconnect the cable from the negative (-) terminal which is grounded to the vehicle body.
 - (c) To prevent damage to the battery terminal post, loosen the terminal nut and raise the cable straight up without twisting it or prying it.
 - (d) Clean the battery terminal posts and cable terminals with a shop rag. Do not scrape them with a file or such.



- (e) Install the cable terminal to the battery post with the nut loose, and tighten the nut after installation. Do not use a hammer or such to tap the terminal onto the post.
 - (f) Be sure the cover for the positive (+) terminal is properly in place.
4. Check hose and wiring connectors to make sure that they are secure and correct.
5. Non-reusable Parts
 - (a) Always replace cotter pins, gaskets, O-rings and oil seals etc. with new ones.
 - (b) Non-reusable parts are indicated in the component illustrations by the symbol "◆".
6. Precoated Parts

Precoated parts are the bolts, nuts, etc. which are coated with a seal lock adhesive at the factory.

 - (a) If a precoated part is retightened, loosened or caused to move in any way, it must be recoated with the specified adhesive.
 - (b) Recoating of Precoated Parts
 - (1) Clean off the old adhesive from the bolt, nut or installation part threads.
 - (2) Dry with compressed air.
 - (3) Apply the specified seal lock adhesive to the bolt or nut threads.
 - (c) Precoated parts are indicated in the component illustrations by the symbol "★".
7. When necessary, use a sealer on gaskets to prevent leaks.
8. Carefully observe all specifications for bolt tightening torques. Always use a torque wrench.
9. Use of special service tools (SST) and special service materials (SSM) may be required, depending on the nature of the repair. Be sure to use SST and SSM where specified and follow the proper work procedure. A list of SST and SSM can be found at the back of this manual.
10. When replacing fuses, be sure the new fuse is the correct amperage rating. DO NOT exceed the fuse amp rating or use one of a lower rating.
11. Care must be taken when jacking up and supporting the vehicle. Be sure to lift and support the vehicle at the proper locations (See page IN-6).
 - (a) If the vehicle is to be jacked up only at the front or rear end, be sure to block the wheels to ensure safety.
 - (b) After the vehicle is jacked up, be sure to support it on stands. It is extremely dangerous to do any work on the vehicle raised on jack alone, even for a small job that can be finished quickly.