

# HOW TO USE THIS MANUAL

IN

## GENERAL INFORMATION

### 1. GENERAL DESCRIPTION

- (a) Repair work can be divided into three processes: (1) diagnosis; (2) installation, replacement, disassembly / reassembly and checking / adjusting; and (3) final inspection.
- (b) This manual describes processes (1) diagnosis; and (2) installation, replacement, disassembly / reassembly and checking / adjustment. Procedure (3) final inspection is omitted.
- (c) The following procedures are omitted from this manual. However, these procedures must be performed.
  - (1) The use of a jack or lift to perform operations.
  - (2) The washing and cleaning of removed parts, as needed.
  - (3) Visual checks.

### 2. PREPARATION

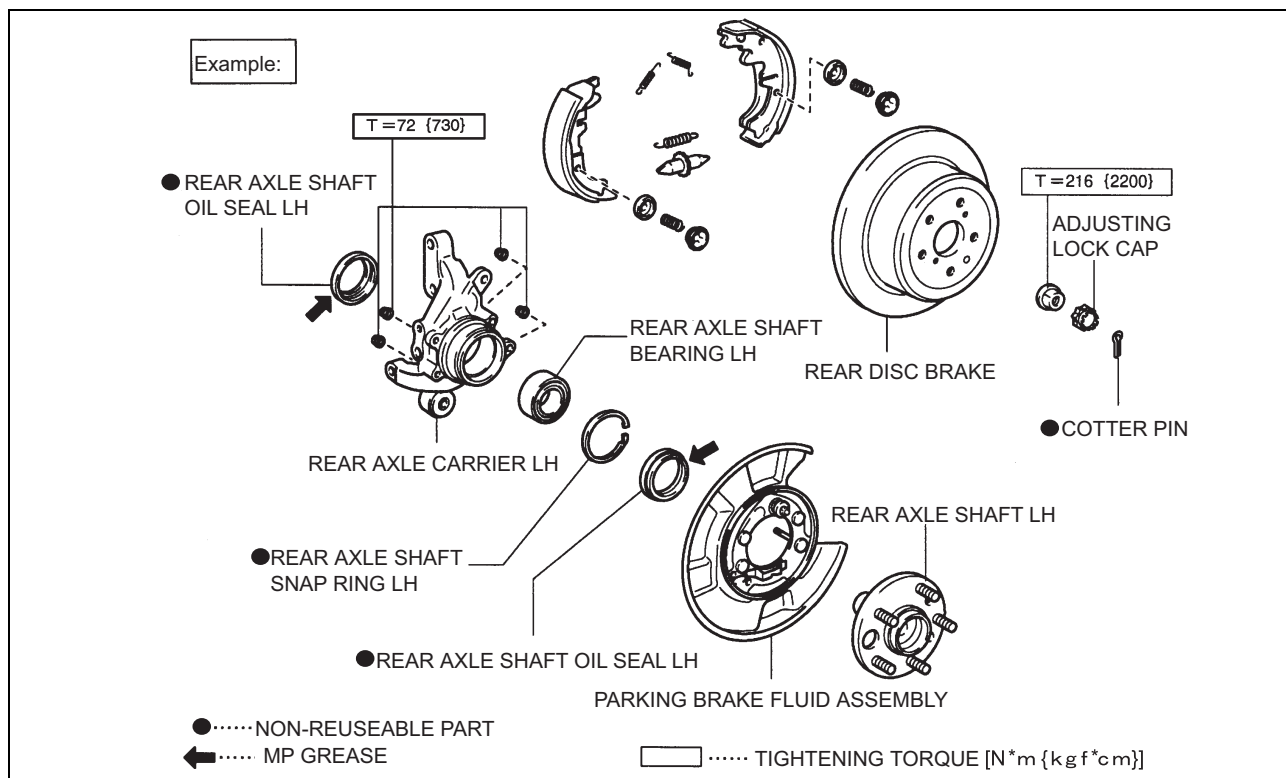
- (a) To prepare you before performing work, a list of Special Service Tools (SST), service tools, recommendations, as well as lubricants and other items are in the PREPARATION section of this manual. However, equipment that is considered to be readily available in a repair facility, such as tool stands, jacks, and rigid racks, is omitted.
- (b) Tools or devices other than Special Service Tools (SST) that are listed in the PREPARATION section of this manual are merely guides. They are not meant to designate specific suppliers, product names or part numbers.

### 3. WORK PROCEDURE

- (a) A component illustration is placed under each section or title where necessary.



- (b) Non-reusable parts, lubricant application areas, precoated bolts and tightening torque are noted in the component illustrations.



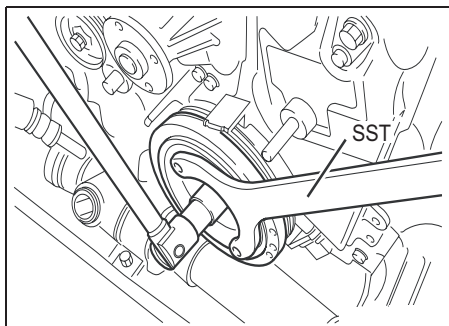
- (c) Tightening torque, lubricant application areas and non-reusable parts are noted in the procedures.

**NOTICE:**

In some cases, the information listed above can only be explained by using an illustration. In these cases, torque, lubrication type and other information are described in the illustration.

- (d) Only items with key points are described in the text. What to do and other details are explained using illustrations next to the text. Both the text and illustrations are accompanied by specified values and notices.
- (e) Illustrations of similar vehicle models are sometimes used. In these cases, minor details may be different from the actual vehicle under repair.

Example:



17. CRANKSHAFT DAMPER INSTALLATION

- (1) Using the SST, hold the crankshaft damper and tighten the bolt.

SST 09278-87201

Standard : T=130N\*m {1326kgf\*cm}

Explanation: A detailed explanation of the operation method

4. SERVICE SPECIFICATIONS

(a) SPECIFICATIONS and LIMITS are presented in boldface text throughout the manual.

5. TERM DEFINITIONS

Standard	Refers to a range of acceptable values during checking and adjusting.
Maximum limit	Refers to minimum and maximum values that are not to be exceeded during checking and adjusting.
Reference value	In some cases, the method used to determine whether or not a measurement falls within the specified values is difficult. In these cases, if there is no danger that an actual malfunction will occur, reference values may be provided to help you make simpler measurements.
CAUTION	Indicates the possibility of injury to you or other people. Ignoring CAUTIONS may lead to accident or injury.
NOTICE	Indicates items that require special attention because of the possibility of damage to the vehicle and its components. This includes essential procedures as well as actions that should not be performed.
HINT	Provides additional information to help you perform repairs.

6. INTERNATIONAL SYSTEM OF UNITS

(a) The units used in this manual comply with the International System of Units (SI) standard. Units from the metric system are also provided.

(Example)

**Torque: 28 N\*m (286 kgf\*cm)**

Table of International System of Units Conversions

Item	International System of Units	Former Units	Conversion Factor into International System of Units
Acceleration	m/s <sup>2</sup>	G	9.80665
Torque, Moment	N*m	kgf*cm	0.0980665
Force	N	kgf	9.80665
Pressure	MPa	kgf/cm <sup>2</sup>	0.0980665
	kPa	mmHg	0.133322
Power, Power Efficiency	kW	PS	0.735499
	W	kcal/h	1.16279
Volume	cm <sup>3</sup>	cc	1
Spring Constant	N/mm	kgf/mm	9.80665

International System of Units Prefixes

M (mega-)	10 <sup>6</sup>	d (deci-)	10 <sup>-1</sup> =0.1
K (kilo-)	10 <sup>3</sup>	c (centi-)	10 <sup>-2</sup> =0.01
H (hecto-)	10 <sup>2</sup>	m (milli-)	10 <sup>-3</sup> =0.001
Da (deca-)	10 <sup>1</sup>	μ (micro-)	10 <sup>-6</sup> =0.000001

