HOW TO USE THIS MANUAL

0103I–01

GENERAL INFORMATION

1. GENERAL DESCRIPTION

(a) This manual is made in accordance with SAE J2008.

(b) Repair operations can be separated mainly in the following 3 processes:
1. Diagnosis
2. Removing and Installing, Replacing, Disassembling, Installing and Checking, Adjusting
3. Final Inspection

(c) This text explains the 1st process of ”Diagnosis” (placed in the ”Diagnostics” section) and the 2nd process, ”Removing & Installing, Replacing, Disassembling, Installing & Checking, Adjusting”, but the 3rd process of ”Final Inspection” are omitted.

(d) The following essential operations are not written down in the this manual, these operations, however, must be done in the practical situation.
(1) Operation with a jack and lift
(2) Cleaning of a removed part when necessary
(3) Visual check

2. INDEX

(a) An INDEX is provided on the first to page XX of each section to the guide you to the item to be repaired.

3. PREPARATION

(a) Use of special service tools (SST) and special service materials (SSM) may be required, depending on the repairing condition. Be sure to use SST and SSM when they are required and follow the working procedure properly. A list of SST and SSM is in the Preparation section in this manual.

4. REPAIR PROCEDURES

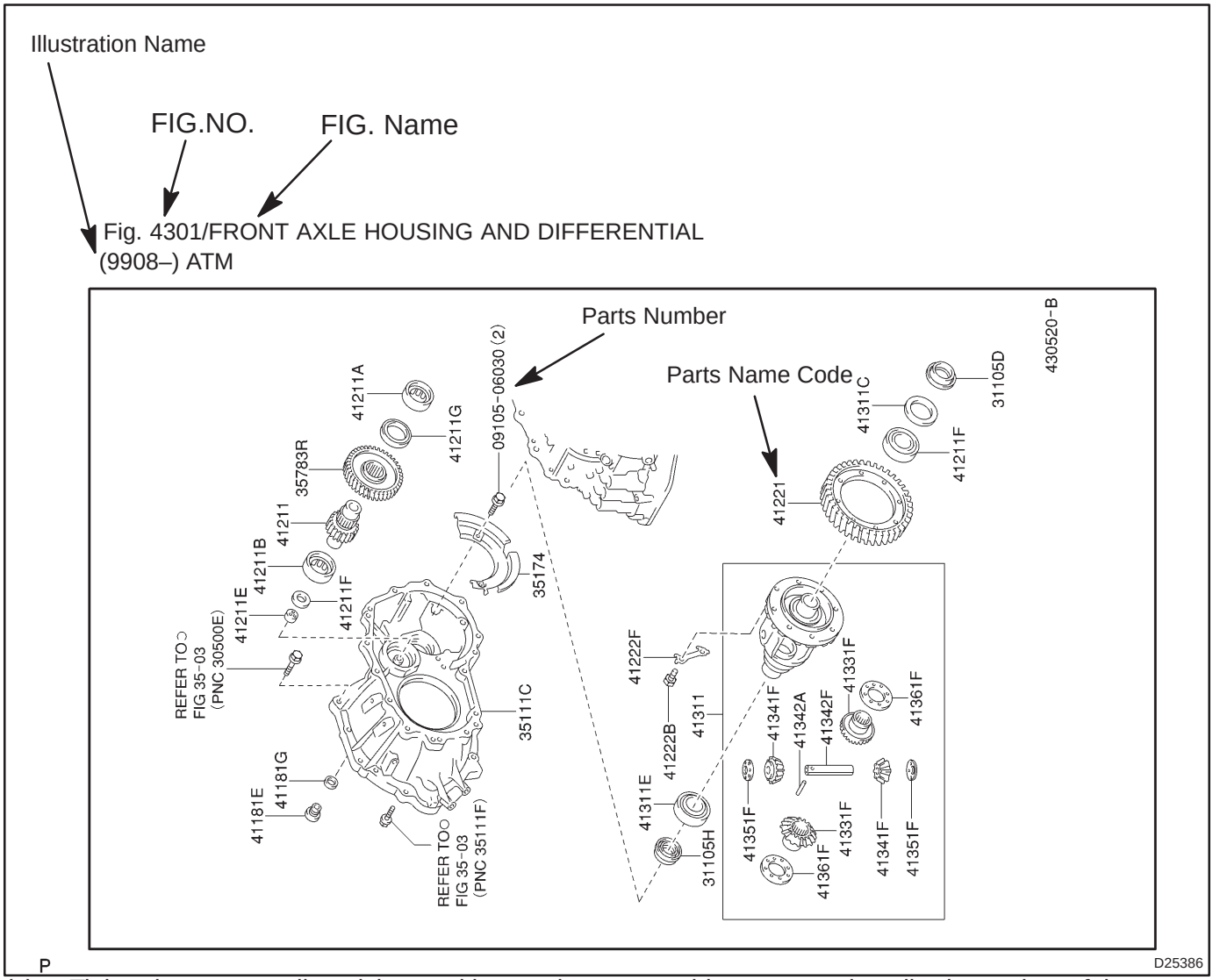
(a) Component drawing is placed as ”Component section.” It enables you to understand the fitting condition of the components.

(b) Illustrations of the parts catalog is placed as the component drawing. (In the illustration, parts code of the parts catalog is described.)

NOTICE:

The parts code described in this text is as of August, 2000. There is a case where the parts code or ten digits of the parts No. may change, so be sure to place an order using the parts catalog.

Example:



(c) Tightening torque, oil applying position, and non–reusable parts are described as points of the procedure.

NOTICE:

In case that the above items can be indicated only by an illustration, component drawing which describes the points is placed. In that case, all the information such as torque, oil, etc. are described in the illustration.

(d) Installing procedure of the operation items is performed in the reverse procedure of the removing and only the case with points is described.

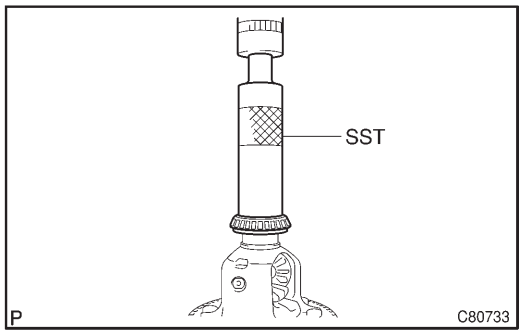
(e) Only items with points are described in the procedure, and the operational portion and content are placed using an illustration. In the explanations, details of the operational method, standard value and notice are placed.

(f) There may be a case where the illustrations are used in common with similar models. Therefore there is a case where the details are different from one of the actual vehicle.

(g) The procedures are presented in a step–by–step format:
  (1) The illustration shows what to do and where to do it.
  (2) The task heading tells what to do.
  (3) 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

87. INSTALL FR DIFFERENTIAL CASE FRONT TAPERED ROLLER BEARING
[41311 / 4301] ← *Part name code / FIG. NO.*

(a) Using SST and a press, install the front differential case tapered roller bearing front inner race to the differential case.

SST 09316–60011 (09316–00011)

Detailed text: how to do task

Set part No. *Component part No.*

P D25387

HINT:
This format provides an experienced technician with a FAST TRACK to the information needed. The upper case task heading can be read at a glance when necessary, and the text below it provides detailed information. Important specifications and warnings always stand out in bold type.

5. SERVICE SPECIFICATIONS

(a) Specifications are presented in bold type throughout the text where needed. You never have to leave the procedure to look up your specifications. They are also found in the Service Specifications section for a quick reference.

6. TERMS DEFINITION

CAUTION	Indicate the possibility of injury to you or other people.
NOTICE	Indicate the possibility of damage to the components being repaired.
HINT	Provide additional information to help you perform the repair efficiently.

7. SI UNIT

(a) The UNITS given in this manual are primarily expressed according to the SI UNIT (International System of Unit), and alternately expressed in the metric system and in the English System.
Example:
Torque: 30 N·m (310 kgf·cm, 22 ft·lbf)