

# General Description

## DIFFERENTIALS

### 1. General Description

#### A: SPECIFICATION

##### 1. REAR DIFFERENTIAL

When replacing a rear differential assembly, select the correct one according to the following table.

NOTE:

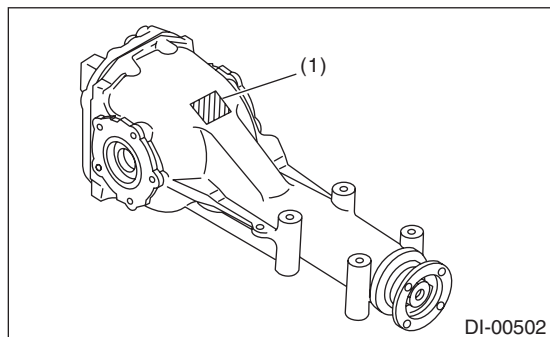
- Using a different rear differential assembly will cause the drive train and tires to drag or emit abnormal noise.
- For option code, refer to “ID” section. <Ref. to ID-2, IDENTIFICATION, Identification.>

| Model                             | 2.0 L non-turbo               |                     |              |
|-----------------------------------|-------------------------------|---------------------|--------------|
|                                   | CVT                           | 5MT                 |              |
|                                   |                               | Except for XV model | XV model     |
| Rear differential type            | VA1-type                      | T-type              |              |
| Identification                    | XD                            | T2                  | TP           |
| LSD type                          | —                             |                     |              |
| Type of gear                      | Hypoid gear                   |                     |              |
| Gear ratio (Number of gear teeth) | 3.700 (37/10)                 | 4.111 (37/9)        | 4.444 (40/9) |
| Oil capacity                      | 0.8 L (0.8 US qt, 0.7 Imp qt) |                     |              |
| Rear differential gear oil        | GL-5                          |                     |              |

##### 2. IDENTIFICATION

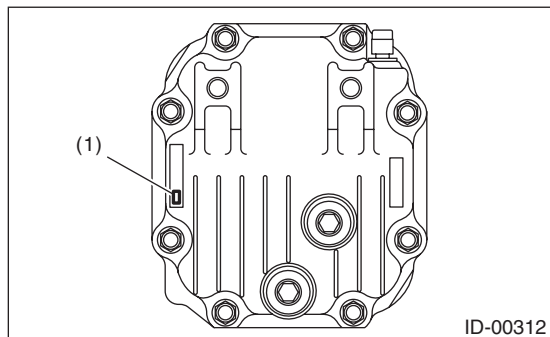
Identification positions are shown in the following figures. For details concerning identification, refer to the “ID” section.

- T-type



(1) Identification

- VA1-type



(1) Identification

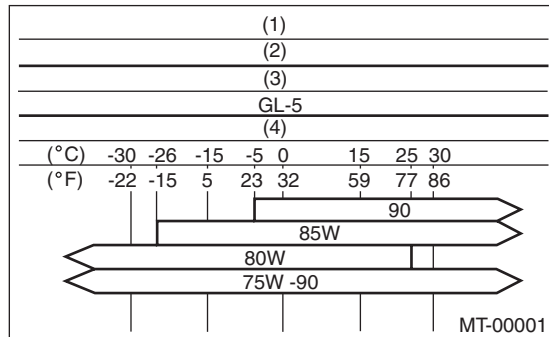
### 3. REAR DIFFERENTIAL GEAR OIL

**Recommended gear oil:**

**GL-5 (75W-90) or equivalent**

**CAUTION:**

Each oil manufacturer has its base oil and additives. Thus, do not mix two or more brands.



- (1) Item
- (2) Rear differential gear oil
- (3) API classification
- (4) SAE viscosity No. and applicable temperature

### 4. SERVICE DATA

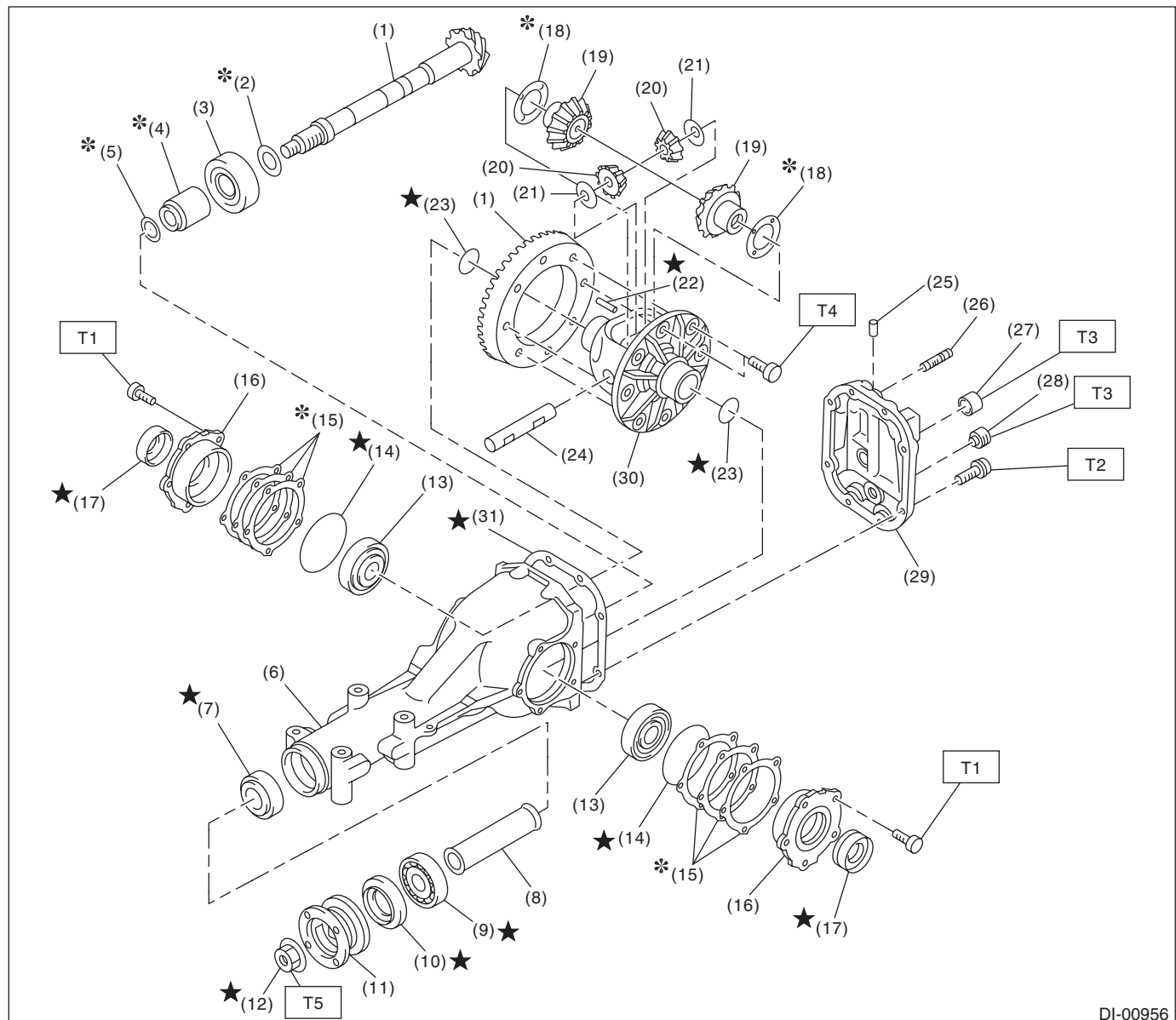
|                                                                           |                                                                                        |          |                                        |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------|----------------------------------------|
| Drive pinion bearing preload (For new bearing)                            | Measured with spring measurement (Measured at companion flange bolt hole) N (kgf, lbf) | T-type   | 18.1 — 38.8 (1.8 — 4.0, 4.1 — 8.7)     |
|                                                                           |                                                                                        | VA1-type | 12.7 — 32.2 (1.3 — 3.3, 2.9 — 7.2)     |
|                                                                           | Measured with torque wrench N·m (kgf-m, ft-lb)                                         | T-type   | 0.69 — 1.47 (0.07 — 0.15, 0.51 — 1.08) |
|                                                                           |                                                                                        | VA1-type | 0.48 — 1.22 (0.05 — 0.12, 0.35 — 0.90) |
| Side gear backlash                                                        | mm (in)                                                                                | T-type   | 0.10 — 0.20 (0.004 — 0.008)            |
|                                                                           |                                                                                        | VA1-type | 0.05 — 0.15 (0.002 — 0.006)            |
| Hypoid driven gear backlash                                               | mm (in)                                                                                | T-type   | 0.10 — 0.20 (0.004 — 0.008)            |
|                                                                           |                                                                                        | VA1-type | 0.10 — 0.15 (0.004 — 0.006)            |
| Hypoid driven gear runout on its back surface                             | mm (in)                                                                                | T-type   | 0.05 (0.002)                           |
| Total preload (Measured from the companion flange bolt hole) N (kgf, lbf) |                                                                                        | T-type   | 20.7 — 54.4 (2.1 — 5.5, 4.7 — 12.2)    |
| Companion flange mating surface runout                                    | mm (in)                                                                                |          | 0.08 (0.003)                           |
| Companion flange runout on its inner side                                 | mm (in)                                                                                |          | 0.08 (0.003)                           |

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### B: COMPONENT

#### 1. REAR DIFFERENTIAL (T-TYPE)



DI-00956

- |                                             |                              |                        |
|---------------------------------------------|------------------------------|------------------------|
| (1) Hypoid driven gear and drive pinion set | (14) O-ring                  | (27) Filler plug       |
| (2) Pinion height adjusting washer          | (15) Side retainer shim      | (28) Drain plug        |
| (3) Rear bearing                            | (16) Side retainer           | (29) Rear cover        |
| (4) Preload adjusting spacer                | (17) Side oil seal           | (30) Differential case |
| (5) Preload adjusting washer                | (18) Side gear thrust washer | (31) Gasket            |
| (6) Differential carrier                    | (19) Side gear               |                        |
| (7) Front bearing                           | (20) Pinion mate gear        |                        |
| (8) Spacer                                  | (21) Pinion mate gear washer |                        |
| (9) Pilot bearing                           | (22) Pinion shaft lock pin   |                        |
| (10) Front oil seal                         | (23) Snap ring               |                        |
| (11) Companion flange                       | (24) Pinion mate shaft       |                        |
| (12) Self-locking nut                       | (25) Air breather cap        |                        |
| (13) Side bearing                           | (26) Stud bolt               |                        |

#### **Tightening torque: N·m (kgf-m, ft-lb)**

**T1: 10.5 (1.1, 7.7)**

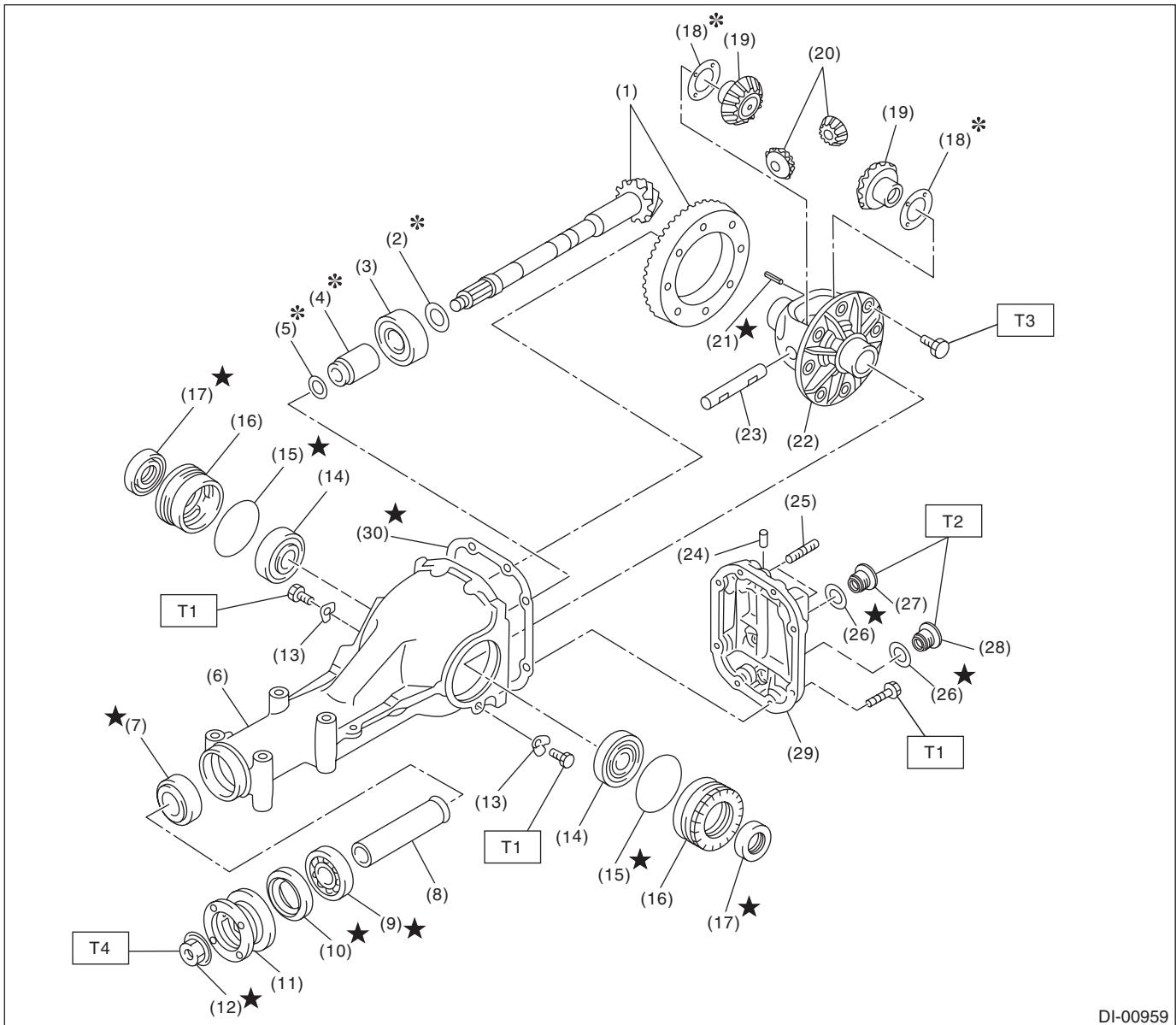
**T2: 29.5 (3.0, 21.8)**

**T3: 49 (5.0, 36.1)**

**T4: 103 (10.5, 76.0)**

**T5: 181.5 (18.5, 133.9)**

## 2. REAR DIFFERENTIAL (VA1-TYPE)



DI-00959

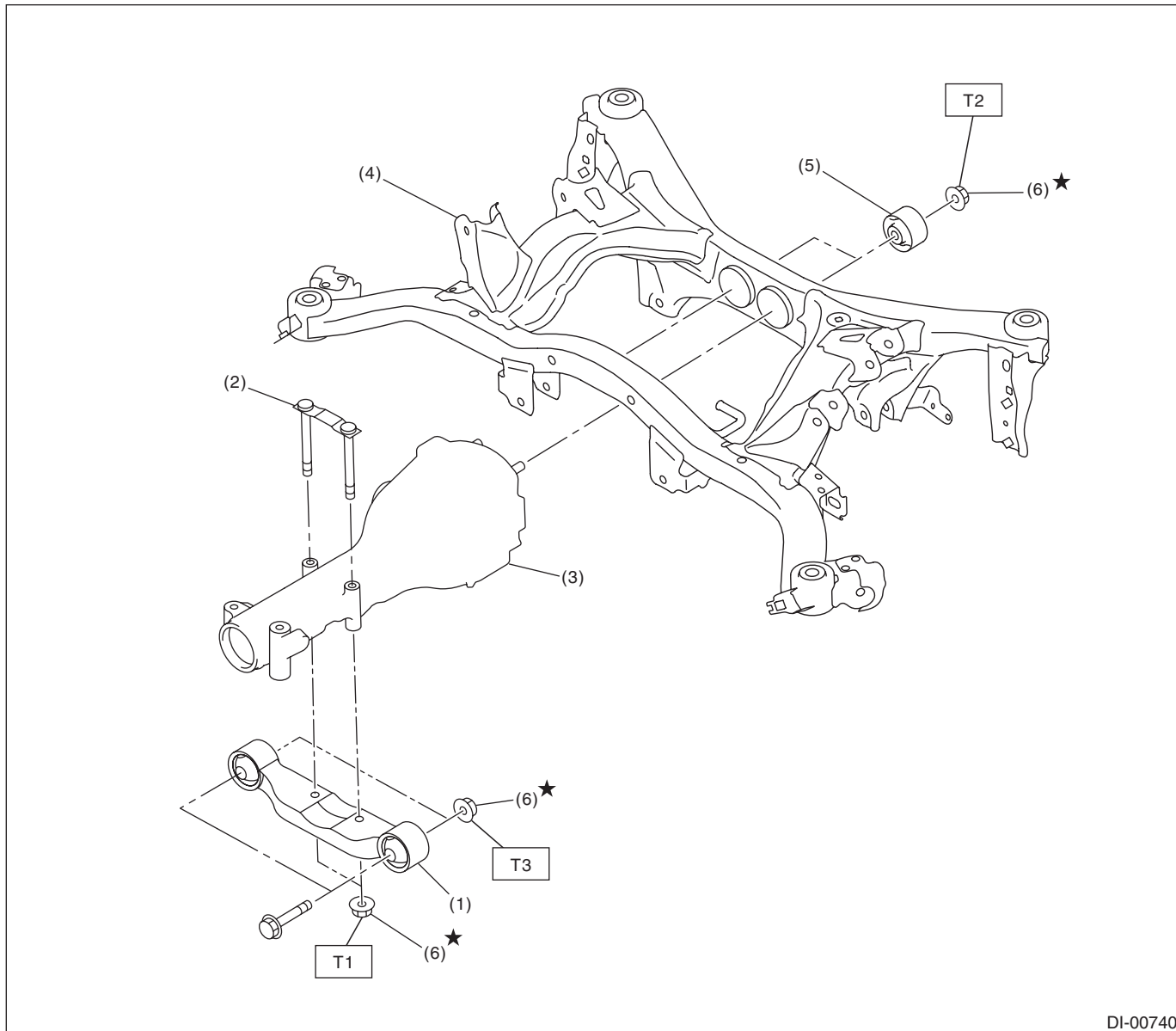
- |                                             |                              |                  |
|---------------------------------------------|------------------------------|------------------|
| (1) Hypoid driven gear and drive pinion set | (13) Lock plate              | (25) Stud bolt   |
| (2) Pinion height adjusting washer          | (14) Side bearing            | (26) Gasket      |
| (3) Rear bearing                            | (15) O-ring                  | (27) Filler plug |
| (4) Preload adjusting spacer                | (16) Side retainer           | (28) Drain plug  |
| (5) Preload adjusting washer                | (17) Side oil seal           | (29) Rear cover  |
| (6) Differential carrier                    | (18) Side gear thrust washer | (30) Gasket      |
| (7) Front bearing                           | (19) Side gear               |                  |
| (8) Spacer                                  | (20) Pinion mate gear        |                  |
| (9) Pilot bearing                           | (21) Spring pin              |                  |
| (10) Front oil seal                         | (22) Differential case       |                  |
| (11) Companion flange                       | (23) Pinion mate shaft       |                  |
| (12) Self-locking nut                       | (24) Air breather cap        |                  |

**Tightening torque: N-m (kgf-m, ft-lb)****T1: 25 (2.5, 18.4)****T2: 50 (5.1, 36.9)****T3: <Ref. to DI-44, ASSEMBLY, Rear Differential (VA-type).>****T4: 191 (19.5, 140.9)**

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### 3. REAR DIFFERENTIAL MOUNTING SYSTEM



- (1) Rear differential front member
- (2) Rear differential member plate
- (3) Rear differential ASSY

- (4) Rear sub frame
- (5) Rear differential mount bushing
- (6) Self-locking nut

**Tightening torque: N·m (kgf·m, ft·lb)**

**T1: 50 (5.1, 36.9)**

**T2: 70 (7.1, 51.6)**

**T3: 110 (11.2, 81.1)**

### **C: CAUTION**

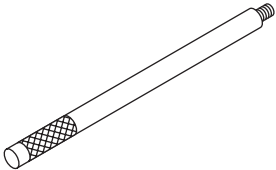
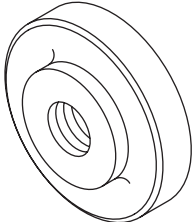
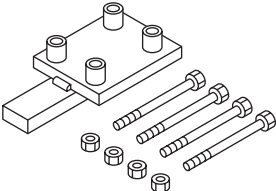
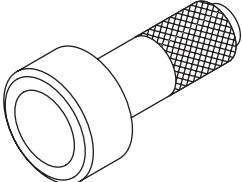
- Wear appropriate work clothing, including a cap, protective goggles and protective shoes when performing any work.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust and dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.
- Use SUBARU genuine gear oil, grease or equivalent. Do not mix gear oil, grease, etc. of different grades or manufacturers.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or rigid racks at the specified points.
- Apply gear oil onto sliding or revolving surfaces before installation.
- Before installing the O-ring or snap ring, apply a sufficient amount of gear oil to avoid damage and deformation.
- Before securing a part on a vise, place cushioning material such as wood blocks, aluminum plate, or cloth between the part and the vise.
- Avoid damaging the mating surface of the case.

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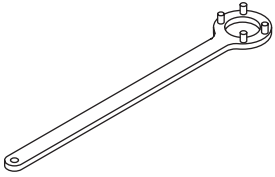
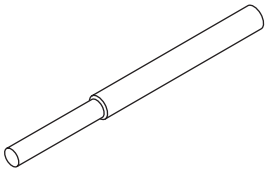
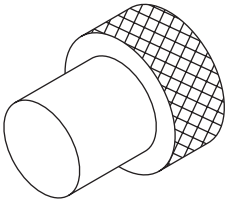
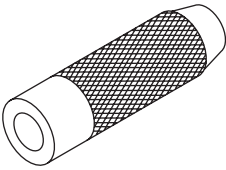
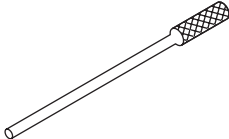
### D: PREPARATION TOOL

#### 1. SPECIAL TOOL

| ILLUSTRATION                                                                                            | TOOL NUMBER | DESCRIPTION    | REMARKS                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------|-------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>ST-398477701</p>   | 398477701   | HANDLE         | <ul style="list-style-type: none"> <li>Used for installing the rear bearing race.</li> <li>Used for installing the front bearing race.</li> </ul>                                                                                |
|  <p>ST-398477702</p>   | 398477702   | DRIFT          | <ul style="list-style-type: none"> <li>Used for installing the front bearing race. (T-type)</li> <li>Used for installing the rear bearing race. (VA1-type)</li> <li>Used for installing side bearing race. (VA1-type)</li> </ul> |
|  <p>ST-398217700</p> | 398217700   | ATTACHMENT SET | Stand for rear differential carrier disassembly and assembly.                                                                                                                                                                    |
|  <p>ST-498447120</p> | 498447120   | INSTALLER      | Used for installing the front oil seal.                                                                                                                                                                                          |

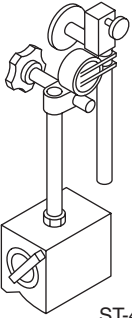
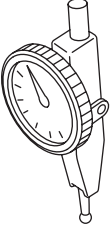
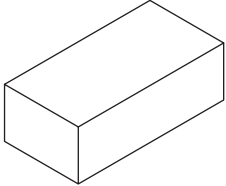
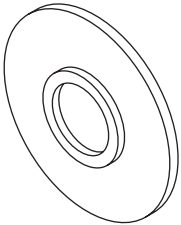
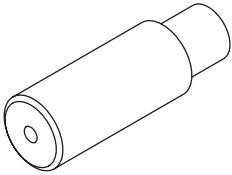
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| ILLUSTRATION                                                                                            | TOOL NUMBER | DESCRIPTION          | REMARKS                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------|-------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>ST-498427200</p>   | 498427200   | FLANGE WRENCH        | Used for stopping rotation of companion flange when removing and tightening self-lock nut.                                                                                                                             |
|  <p>ST-398467700</p>   | 398467700   | DRIFT                | Used for removing drive pinion shaft, pilot bearing and front bearing cone.                                                                                                                                            |
|  <p>ST-399780104</p>  | 399780104   | WEIGHT               | <ul style="list-style-type: none"> <li>• Used for installing the front bearing cone and the companion flange.</li> <li>• Used for installing the pilot bearing.</li> </ul>                                             |
|  <p>ST-899580100</p> | 899580100   | INSTALLER            | Used for installing the front bearing cone and the pilot bearing.                                                                                                                                                      |
|  <p>ST-899904100</p> | 899904100   | STRAIGHT PIN REMOVER | <ul style="list-style-type: none"> <li>• Used for removing and installing the pinion mate shaft lock pin. (T-type)</li> <li>• Used for removing and installing the pinion mate shaft spring pin. (VA1-type)</li> </ul> |

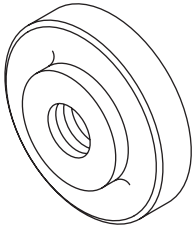
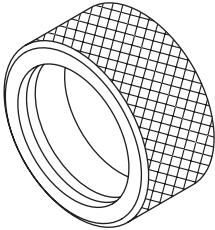
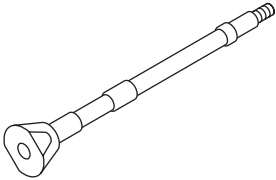
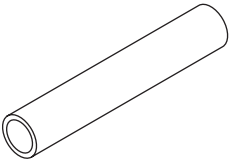
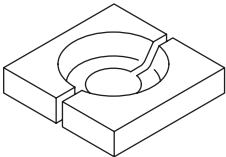
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| ILLUSTRATION                                                                                        | TOOL NUMBER | DESCRIPTION | REMARKS                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------|-------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>ST-498247001   | 498247001   | MAGNET BASE | <ul style="list-style-type: none"> <li>Used for measuring backlash between side gear and pinion, and hypoid gear.</li> <li>Used together with DIAL GAUGE (498247100).</li> </ul>  |
| <br>ST-498247100   | 498247100   | DIAL GAUGE  | <ul style="list-style-type: none"> <li>Used for measuring backlash between side gear and pinion, and hypoid gear.</li> <li>Used together with MAGNET BASE (498247001).</li> </ul> |
| <br>ST-398507704  | 398507704   | BLOCK       | Used for adjusting pinion height and preload.                                                                                                                                     |
| <br>ST-398177700 | 398177700   | INSTALLER   | Used for installing the rear bearing cone. (T-type)                                                                                                                               |
| <br>ST-398457700 | 398457700   | ATTACHMENT  | Used for removing the side retainer. (T-type)                                                                                                                                     |

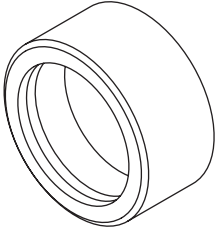
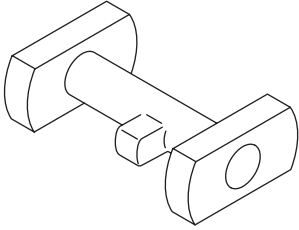
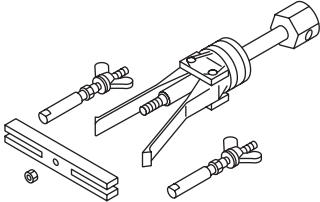
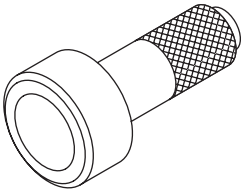
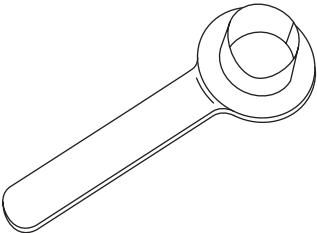
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| ILLUSTRATION                                                                                        | TOOL NUMBER | DESCRIPTION  | REMARKS                                                |
|-----------------------------------------------------------------------------------------------------|-------------|--------------|--------------------------------------------------------|
| <br>ST-398477703   | 398477703   | DRIFT 2      | Used for installing the rear bearing race. (T-type)    |
| <br>ST-398437700   | 398437700   | DRIFT        | Used for installing the side oil seal. (T-type)        |
| <br>ST-398507702  | 398507702   | DUMMY SHAFT  | Used for adjusting pinion height and preload. (T-type) |
| <br>ST-398507703 | 398507703   | DUMMY COLLAR | Used for adjusting pinion height and preload. (T-type) |
| <br>ST-398517700 | 398517700   | REPLACER     | Used for removing rear bearing cone. (T-type)          |

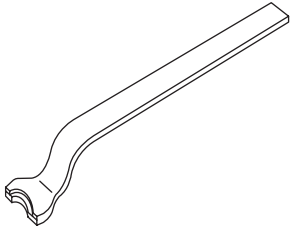
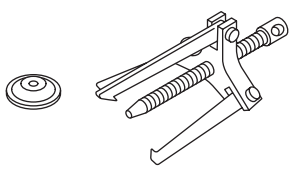
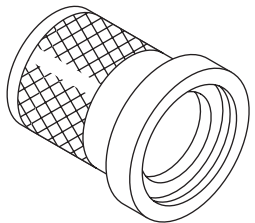
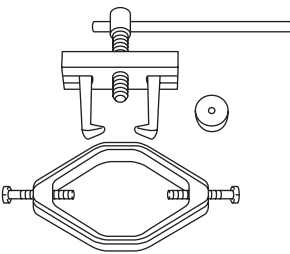
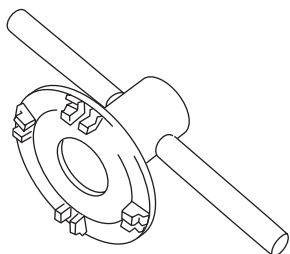
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| ILLUSTRATION                                                                                        | TOOL NUMBER | DESCRIPTION                | REMARKS                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------|-------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>ST-398487700   | 398487700   | DRIFT                      | Used for installing side bearing cone. (T-type)                                                                                                                                                |
| <br>ST-398507701   | 398507701   | DIFFERENTIAL CARRIER GAUGE | Used for adjusting pinion height. (T-type)                                                                                                                                                     |
| <br>ST-398527700  | 398527700   | PULLER ASSY                | <ul style="list-style-type: none"> <li>• Used for removing front oil seal.</li> <li>• Used for removing the side bearing race. (T-type)</li> <li>• Used for removing side oil seal.</li> </ul> |
| <br>ST-398417700 | 398417700   | DRIFT                      | Used for installing side bearing race. (T-type)                                                                                                                                                |
| <br>ST28099PA090 | 28099PA090  | OIL SEAL PROTECTOR         | Used for installing the rear drive shaft to the rear differential. (For oil seal protection)                                                                                                   |

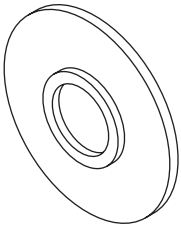
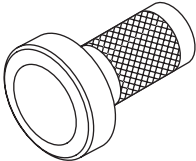
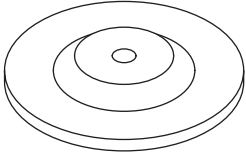
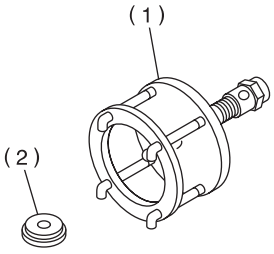
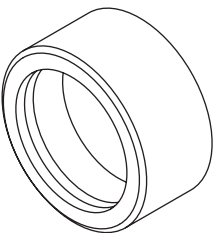
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| ILLUSTRATION                                                                                            | TOOL NUMBER | DESCRIPTION           | REMARKS                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------|-------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>ST28099PA100</p>   | 28099PA100  | DRIVE SHAFT REMOVER   | Used for removing the rear drive shaft from rear differential. (T-type)                                                                                             |
|  <p>ST-399703600</p>   | 399703600   | PULLER ASSY           | Used for removing companion flange.                                                                                                                                 |
|  <p>ST-899874100</p>  | 899874100   | INSTALLER             | Used for installing the companion flange.                                                                                                                           |
|  <p>ST18759AA000</p> | 18759AA000  | PULLER ASSY           | Used for removing the side bearing cone. (T-type)                                                                                                                   |
|  <p>ST18630AA010</p> | 18630AA010  | WRENCH COMPL RETAINER | <ul style="list-style-type: none"> <li>Used for removing and installing the side retainer. (VA1-type)</li> <li>WRENCH ASSY (499787000) can also be used.</li> </ul> |

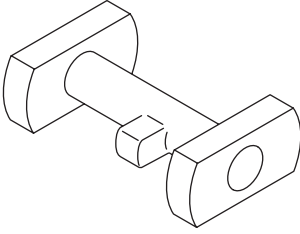
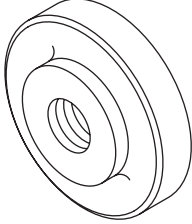
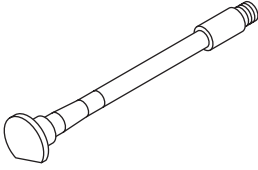
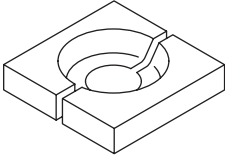
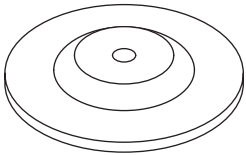
# General Description

## DIFFERENTIALS

| ILLUSTRATION                                                                                        | TOOL NUMBER | DESCRIPTION | REMARKS                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------|-------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>ST-498175500   | 498175500   | INSTALLER   | Used for installing the rear bearing cone. (VA1-type)                                                                                                                                    |
| <br>ST498447100    | 498447100   | INSTALLER   | Used for installing the side oil seal. (VA1-type)                                                                                                                                        |
| <br>ST-399520105 | 399520105   | SEAT        | <ul style="list-style-type: none"> <li>Used for removing the side bearing cone. (VA1-type)</li> <li>Used together with PULLER SET (899524100). (VA1-type)</li> </ul>                     |
| <br>ST-899524100 | 899524100   | PULLER SET  | <ul style="list-style-type: none"> <li>Used for removing the side bearing cone. (VA1-type)</li> <li>Used together with SEAT (399520105).</li> <li>(1) Puller</li> <li>(2) Cap</li> </ul> |
| <br>ST-498485400 | 498485400   | DRIFT       | Used for installing side bearing cone. (VA1-type)                                                                                                                                        |

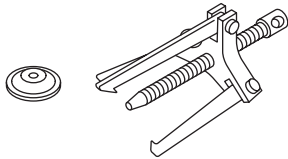
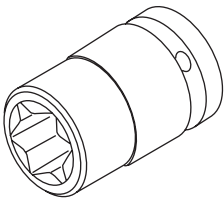
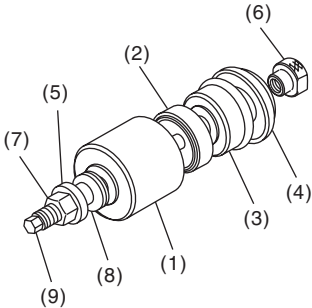
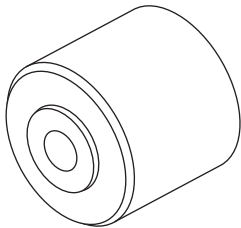
# General Description

## DIFFERENTIALS

| ILLUSTRATION                                                                                            | TOOL NUMBER | DESCRIPTION                | REMARKS                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------|-------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>ST-498505501</p>   | 498505501   | DIFFERENTIAL CARRIER GAUGE | Used for adjusting pinion height. (VA1-type)                                                                                                                   |
|  <p>ST-498447110</p>   | 498447110   | DRIFT                      | Used for installing the front bearing race. (VA1-type)                                                                                                         |
|  <p>ST-498447150</p>  | 498447150   | DUMMY SHAFT                | Used for adjusting pinion height and preload. (VA1-type)                                                                                                       |
|  <p>ST-498515500</p> | 498515500   | REPLACER                   | Used for removing rear bearing cone. (VA1-type)                                                                                                                |
|  <p>ST-499705404</p> | 499705404   | SEAT                       | <ul style="list-style-type: none"> <li>• Used for removing the side bearing race. (VA1-type)</li> <li>• Used together with PULLER ASSY (499705401).</li> </ul> |

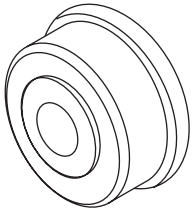
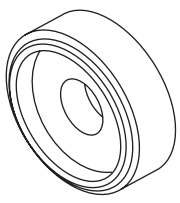
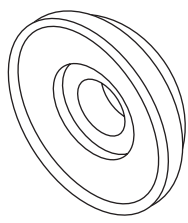
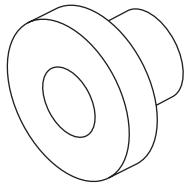
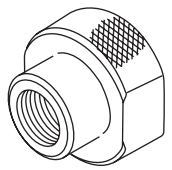
# General Description

## DIFFERENTIALS

| ILLUSTRATION                                                                                            | TOOL NUMBER | DESCRIPTION       | REMARKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------|-------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>ST-499705401</p>   | 499705401   | PULLER ASSY       | <ul style="list-style-type: none"> <li>Used for removing the side bearing race. (VA1-type)</li> <li>Used together with SEAT (499705404).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  <p>ST18270KA020</p>   | 18270KA020  | SOCKET (E20)      | Used for removing and installing the hypoid driven gear. (VA1-type)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  <p>ST41399FG001</p>  | 41399FG001  | SPECIAL TOOL ASSY | <ul style="list-style-type: none"> <li>Used for removing and installing the rear differential mount bushing.</li> <li>Use (1), (3), (5), (6), (7), (8) and (9) for removal.</li> <li>Use (2), (4), (5), (6), (7), (8) and (9) for installation.</li> </ul> <p>(1) SPECIAL TOOL A (41399FG010)<br/>           (2) SPECIAL TOOL B (41399FG020)<br/>           (3) SPECIAL TOOL C (41399FG031)<br/>           (4) SPECIAL TOOL D (41399FG041)<br/>           (5) SPECIAL TOOL SLEEVE (41399FG050)<br/>           (6) SPECIAL TOOL RING (41399FG061)<br/>           (7) SPECIAL TOOL NUT (41399FG070)<br/>           (8) SPECIAL TOOL BEARING (41399FG080)<br/>           (9) SPECIAL TOOL SHAFT (41399FG091)</p> |
|  <p>ST41399FG010</p> | 41399FG010  | SPECIAL TOOL A    | <ul style="list-style-type: none"> <li>Used for removing the rear differential mount bushing.</li> <li>For combination of tools for removal, refer to "SPECIAL TOOL ASSY (41399FG001)".</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

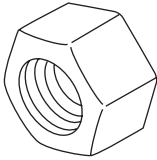
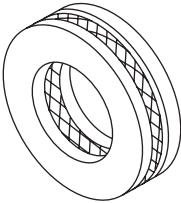
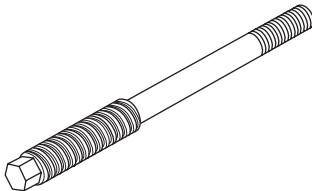
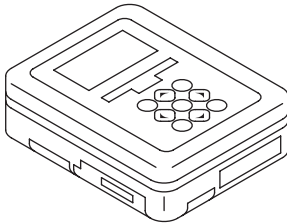
# General Description

## DIFFERENTIALS

| ILLUSTRATION                                                                                        | TOOL NUMBER | DESCRIPTION         | REMARKS                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------|-------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>ST41399FG020   | 41399FG020  | SPECIAL TOOL B      | <ul style="list-style-type: none"> <li>Used for installing the rear differential mount bushing.</li> <li>For combination of tools for installation, refer to "SPECIAL TOOL ASSY (41399FG001)".</li> </ul>                          |
| <br>ST41399FG031   | 41399FG031  | SPECIAL TOOL C      | <ul style="list-style-type: none"> <li>Used for removing the rear differential mount bushing.</li> <li>For combination of tools for removal, refer to "SPECIAL TOOL ASSY (41399FG001)".</li> </ul>                                 |
| <br>ST41399FG041  | 41399FG041  | SPECIAL TOOL D      | <ul style="list-style-type: none"> <li>Used for installing the rear differential mount bushing.</li> <li>For combination of tools for installation, refer to "SPECIAL TOOL ASSY (41399FG001)".</li> </ul>                          |
| <br>ST41399FG050 | 41399FG050  | SPECIAL TOOL SLEEVE | <ul style="list-style-type: none"> <li>Used for removing and installing the rear differential mount bushing.</li> <li>For combination of tools for removal and installation, refer to "SPECIAL TOOL ASSY (41399FG001)".</li> </ul> |
| <br>ST41399FG061 | 41399FG061  | SPECIAL TOOL RING   | <ul style="list-style-type: none"> <li>Used for removing and installing the rear differential mount bushing.</li> <li>For combination of tools for removal and installation, refer to "SPECIAL TOOL ASSY (41399FG001)".</li> </ul> |

## General Description

### DIFFERENTIALS

| ILLUSTRATION                                                                                       | TOOL NUMBER | DESCRIPTION                   | REMARKS                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------|-------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>ST41399FG070  | 41399FG070  | SPECIAL TOOL NUT              | <ul style="list-style-type: none"> <li>Used for removing and installing the rear differential mount bushing.</li> <li>For combination of tools for removal and installation, refer to "SPECIAL TOOL ASSY (41399FG001)".</li> </ul> |
| <br>ST41399FG080  | 41399FG080  | SPECIAL TOOL BEARING          | <ul style="list-style-type: none"> <li>Used for removing and installing the rear differential mount bushing.</li> <li>For combination of tools for removal and installation, refer to "SPECIAL TOOL ASSY (41399FG001)".</li> </ul> |
| <br>ST41399FG091 | 41399FG091  | SPECIAL TOOL SHAFT            | <ul style="list-style-type: none"> <li>Used for removing and installing the rear differential mount bushing.</li> <li>For combination of tools for removal and installation, refer to "SPECIAL TOOL ASSY (41399FG001)".</li> </ul> |
| <br>ST1B022XU0  | 1B022XU0    | SUBARU SELECT MONITOR III KIT | Used for troubleshooting the electrical system.                                                                                                                                                                                    |

## 2. GENERAL TOOL

| TOOL NAME         | REMARKS                                                          |
|-------------------|------------------------------------------------------------------|
| Transmission jack | Used for removing and installing the rear differential.          |
| Puller            | Used for removing the side bearing retainer.                     |
| Thickness gauge   | Used for measuring clearance.                                    |
| Hexagon wrench    | Used for installing and removing the filler plug and drain plug. |
| Tire lever        | Used for removing the rear drive shaft. (VA1-type)               |
| Angle gauge       | Used for installing the hypoid driven gear. (VA1-type)           |