



LOCKING SPINDLE NUT KIT

300519-KIT

KIT CONTENTS





RECOMMENDED TOOLS

Jack, and Jack Stands

Lug Wrench

Snap ring pliers

Slot screw driver

10, 12 or 13 depending on locking hub

54 MM Spindle Socket TG P/N 140157-1-KIT

2.5 MM allen wrench

CAUTION

1. Read all instructions completely and carefully before you begin.
2. Check to make sure the kit is complete and that no parts are missing (refer to the Kit Contents List on the first page of these instructions). If anything is missing, please contact Trail-Gear at 559.252.4950.
3. Park vehicle on a clean, dry, flat, level surface and block the tires so the vehicle can not roll in either direction.

INSTALLATION INSTRUCTIONS



LOCKING SPINDLE NUT INSTRUCTIONS

STEP 1

Jack up the Axle and place on jack stands. If you're not installing new bearings measure pre-load, and note for re-assembly.

STEP 2

Unlock hub, and remove locking hub cap



STEP 3

Remove snap ring.



STEP 4

Remove hub body, and wheel



STEP 5

With a large slot screw driver bend back star washer to unlock nut.



STEP 6

Remove spindle nut, and star washer



INSTALLATION INSTRUCTIONS



STEP 7

Remove thrust washer



STEP 8

Install new thrust washer



STEP 9

Install TG spindle nut, using the 54 MM spindle socket. If installing new wheel bearings set preload on wheel bearings as called out in the factory service manual. If re-using existing bearings install to previously measured load.



STEP 10

Install TG spindle washer



STEP 11

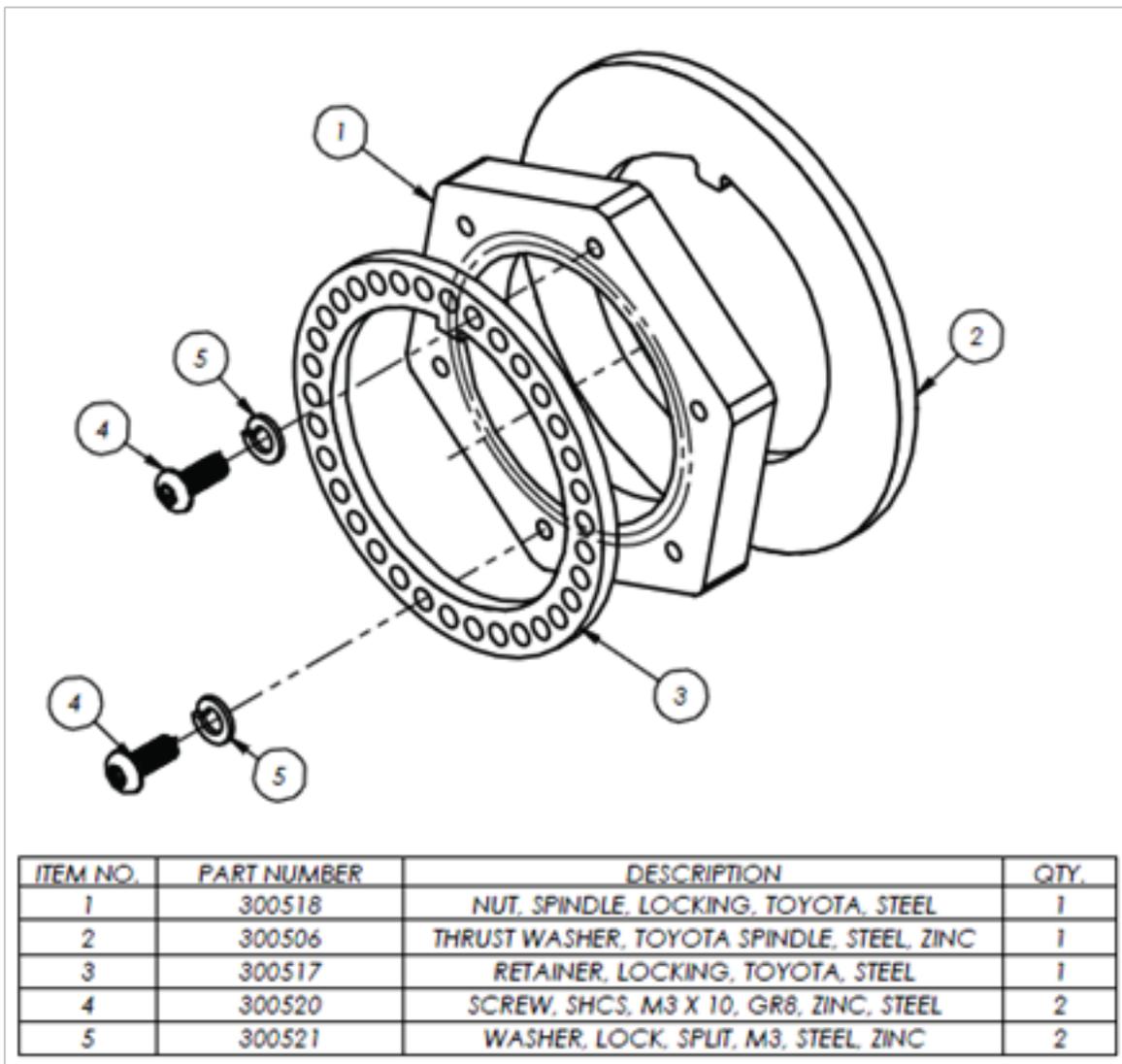
Install M3 lock washers, and socket head screws where holes in the spindle nut line up with spindle washer. They will be 180° apart. If necessary tighten nut slightly to improve alignment. **DO NOT LOOSEN TO IMPROVE ALIGNMENT.**



STEP 12

Re-assemble hub in reverse order.

SERVICE PARTS:



| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|--|------|
| 1 | 300518 | NUT, SPINDLE, LOCKING, TOYOTA, STEEL | 1 |
| 2 | 300506 | THRUST WASHER, TOYOTA SPINDLE, STEEL, ZINC | 1 |
| 3 | 300517 | RETAINER, LOCKING, TOYOTA, STEEL | 1 |
| 4 | 300520 | SCREW, SHCS, M3 X 10, GR8, ZINC, STEEL | 2 |
| 5 | 300521 | WASHER, LOCK, SPLIT, M3, STEEL, ZINC | 2 |

Quantities shown represent parts per spindle, not necessarily parts per kit.