

|                     |                     |
|---------------------|---------------------|
| REFERENCE:          | Nova Bus Manuals    |
| SECTION:            | 05: Rear Suspension |
| RS N°:              | N/A                 |
| EFFECTIVE IN PROD.: | N/A                 |

APPLICATION DEADLINE:N/A

|                |                                                                             |
|----------------|-----------------------------------------------------------------------------|
| SUBJECT:       | ZF service bulletin 80-17 for wheel bearing assembly - ZF axles (Type A/AV) |
| JUSTIFICATION: | Inner slotted nuts may mislocate the wheel bearing assembly.                |

| LEVEL | DESCRIPTION                                                 | DIRECT CHARGES |          | TIME |
|-------|-------------------------------------------------------------|----------------|----------|------|
|       |                                                             | LABOUR         | MATERIAL |      |
| 1     | Apply ZF service bulletin 80-17 for wheel bearing assembly. | —              | —        | —    |
| 2     | —                                                           | —              | —        | —    |

**MATERIAL**

| QTY            | PART N°      | REV. | DESCRIPTION              | REPLACES PART N° |
|----------------|--------------|------|--------------------------|------------------|
| <b>LEVEL 1</b> |              |      |                          |                  |
| 2              | 0634.303.940 | —    | O-Ring                   | —                |
| 2              | 4474.335.144 | —    | Tab washer/Locking plate | —                |
| <b>LEVEL 2</b> |              |      |                          |                  |
| —              | —            | —    | —                        | —                |

Claiming conditions are as follows: ZF will cover 2h of labor and 1h for clerical work and parts listed in this document.

**DISPOSAL OF PARTS**

| REMOVED PARTS ARE: | DISCARDED * | RETAINED | * Dispose of the unused parts and the defective parts in accordance with local environmental standards in effect. |
|--------------------|-------------|----------|-------------------------------------------------------------------------------------------------------------------|
|                    | Yes         | —        |                                                                                                                   |

**REVISION HISTORY**

| REV. | DATE     | CHANGE DESCRIPTION | WRITTEN BY      |
|------|----------|--------------------|-----------------|
| NR   | 2018AL19 | Initial release    | Karthigeyan K A |

APPROVED BY: Daniel Theriault

Digitally signed by Daniel Theriault  
DN: cn=Daniel Theriault, o=Nova Bus, ou, email=daniel.theriault@volvo.com, c=CA  
Date: 2018.04.20 09:30:28 -0400

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| CLIENT                                     | ORDER | ROAD NUMBER |       | VIN (2NVY/4RKY...) |               | QTY |
|--------------------------------------------|-------|-------------|-------|--------------------|---------------|-----|
|                                            |       | FROM        | TO    | FROM               | TO            |     |
| Austin - CMTA - Texas                      | LA18  | 5156        | 5157  | L82JXH9775775      | L82J1H9775776 | 2   |
| Brampton - Ontario                         | L941  | 1621        | 1621  | L82J9G3750130      | L82J9G3750130 | 1   |
| Brampton - Ontario                         | L941  | 1623        | 1623  | L82J2G3750132      | L82J2G3750132 | 1   |
| Brampton - Ontario                         | LA21  | 1703        | 1705  | L82J6H3750541      | L82JXH3750543 | 3   |
| Brampton - Ontario                         | LA03  | 10161       | 10161 | L82J0G3750369      | L82J0G3750369 | 1   |
| Cape Breton Nova Scotia                    | LA12  | 7092        | 7092  | L82J8H3750587      | L82J8H3750587 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8200        | 8201  | L82JXG9775225      | L82JXG9775226 | 2   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8203        | 8204  | L82J5G9775228      | L82J7G9775229 | 2   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8211        | 8211  | L82J4G9775236      | L82J4G9775236 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8218        | 8219  | L82J1G9775243      | L82J3G9775244 | 2   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8225        | 8225  | L82J2G9775252      | L82J2G9775252 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8226        | 8226  | L82J6G9775254      | L82J6G9775254 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8236        | 8237  | L82J8G9775269      | L82J4G9775270 | 2   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8239        | 8239  | L82JXG9775273      | L82JXG9775273 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8244        | 8244  | L82J9G9775281      | L82J9G9775281 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8247        | 8247  | L82J6G9775285      | L82J6G9775285 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8252        | 8252  | L82JXG9775290      | L82JXG9775290 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8258        | 8259  | L82J4G9775303      | L82J6G9775304 | 2   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8266        | 8266  | L82J0G9775315      | L82J0G9775315 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8270        | 8270  | L82J8G9775322      | L82J8G9775322 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8281        | 8281  | L82J1G9775338      | L82J1G9775338 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8283        | 8283  | L82J1G9775341      | L82J1G9775341 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8286        | 8286  | L82J9G9775345      | L82J9G9775345 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8287        | 8287  | L82J2G9775347      | L82J2G9775347 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8288        | 8288  | L82J4G9775348      | L82J4G9775348 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8289        | 8289  | L82J2G9775350      | L82J2G9775350 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8290        | 8290  | L82J4G9775351      | L82J4G9775351 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8291        | 8291  | L82J8G9775353      | L82J8G9775353 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8294        | 8294  | L82J5G9775357      | L82J5G9775357 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8303        | 8303  | L82JXG9775371      | L82JXG9775371 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8306        | 8306  | L82J9G9775376      | L82J9G9775376 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8310        | 8310  | L82J4G9775382      | L82J4G9775382 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8311        | 8311  | L82J6G9775383      | L82J6G9775383 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8314        | 8314  | L82J5G9775388      | L82J5G9775388 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8315        | 8315  | L82J7G9775389      | L82J7G9775389 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8316        | 8316  | L82J5G9775391      | L82J5G9775391 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8322        | 8322  | L82J8G9775403      | L82J8G9775403 | 1   |
| Chicago Transit Authority - CTA - Illinois | L943  | 8323        | 8323  | L82J1G9775405      | L82J1G9775405 | 1   |
| Duke University - North Carolina           | L938  |             |       | L82L0G9775400      | L82L0G9775400 | 1   |
| Fredericton - New Brunswick                | L968  | 8161        | 8161  | L82J1G3750218      | L82J1G3750218 | 1   |
| Fredericton - New Brunswick                | L968  | 8162        | 8162  | L82J3G3750219      | L82J3G3750219 | 1   |
| Guelph - Ontario                           | L985  | 248         | 248   | L82J7G3750255      | L82J7G3750255 | 1   |
| Halifax - Nova Scotia                      | LA11  | 1224        | 1224  | L82JXG9775595      | L82JXG9775595 | 1   |
| Halifax - Nova Scotia                      | LA11  | 1228        | 1228  | L82JXG9775600      | L82JXG9775600 | 1   |

| CLIENT                           | ORDER | ROAD NUMBER |      | VIN (2NVY/4RKY...) |               | QTY |
|----------------------------------|-------|-------------|------|--------------------|---------------|-----|
|                                  |       | FROM        | TO   | FROM               | TO            |     |
| Halifax - Nova Scotia            | LA11  | 1231        | 1231 | L82J5G9775603      | L82J5G9775603 | 1   |
| Halifax - Nova Scotia            | LA11  | 1233        | 1235 | L82J9G9775605      | L82J2G9775607 | 3   |
| Halifax - Nova Scotia            | LA27  | 1240        | 1240 | L82J3H9775780      | L82J3H9775780 | 1   |
| Halifax - Nova Scotia            | LA27  | 1256        | 1256 | L82J7H9775796      | L82J7H9775796 | 1   |
| Halifax - Nova Scotia            | LA27  | 1274        | 1274 | L82J5H9775814      | L82J5H9775814 | 1   |
| Hamilton - Ontario               | L956  | 1604        | 1604 | L82K1G9775333      | L82K1G9775333 | 1   |
| Hamilton - Ontario               | L956  | 1606        | 1606 | L82K9G9775340      | L82K9G9775340 | 1   |
| Hamilton - Ontario               | L956  | 1608        | 1608 | L82KXG9775346      | L82KXG9775346 | 1   |
| Hamilton - Ontario               | L956  | 1616        | 1616 | L82K0G9775369      | L82K0G9775369 | 1   |
| Hamilton - Ontario               | L956  | 1620        | 1620 | L82K1G9775381      | L82K1G9775381 | 1   |
| Hamilton - Ontario               | LA05  | 1634        | 1634 | L82K0G9775551      | L82K0G9775551 | 1   |
| Hamilton - Ontario               | LA05  | 1636        | 1637 | L82KXG9775556      | L82K1G9775560 | 2   |
| Hamilton - Ontario               | LA05  | 1641        | 1641 | L82K6G9775571      | L82K6G9775571 | 1   |
| Hamilton - Ontario               | LA05  | 1642        | 1642 | L82K1G9775574      | L82K1G9775574 | 1   |
| Houston - Texas                  | L951  | 1915        | 1915 | L82J0G9775203      | L82J0G9775203 | 1   |
| Houston - Texas                  | L981  | 1920        | 1921 | L82J5G9775438      | L82J7G9775439 | 2   |
| Houston - Texas                  | L981  | 1926        | 1927 | L82J0G9775444      | L82J2G9775445 | 2   |
| Houston - Texas                  | L981  | 1930        | 1930 | L82J8G9775448      | L82J8G9775448 | 1   |
| Houston - Texas                  | L981  | 1933        | 1933 | L82J8G9775451      | L82J8G9775451 | 1   |
| Houston - Texas                  | L981  | 1941        | 1941 | L82J2G9775459      | L82J2G9775459 | 1   |
| Houston - Texas                  | L981  | 1944        | 1944 | L82J2G9775462      | L82J2G9775462 | 1   |
| Houston - Texas                  | L981  | 1947        | 1948 | L82JXG9775466      | L82J1G9775467 | 2   |
| Houston - Texas                  | L981  | 1951        | 1951 | L82J1G9775470      | L82J1G9775470 | 1   |
| Houston - Texas                  | L981  | 1957        | 1960 | L82J2G9775476      | L82J8G9775479 | 4   |
| Houston - Texas                  | L981  | 1969        | 1969 | L82J9G9775488      | L82J9G9775488 | 1   |
| Houston - Texas                  | L981  | 1972        | 1973 | L82J9G9775491      | L82J0G9775492 | 2   |
| Houston - Texas                  | L981  | 1975        | 1975 | L82J4G9775494      | L82J4G9775494 | 1   |
| Houston - Texas                  | L981  | 1980        | 1980 | L82J3G9775499      | L82J3G9775499 | 1   |
| Houston - Texas                  | L981  | 1984        | 1985 | L82J1G9775503      | L82J3G9775504 | 2   |
| Houston - Texas                  | L981  | 1988        | 1989 | L82J9G9775507      | L82J0G9775508 | 2   |
| Houston - Texas                  | L981  | 1992        | 1994 | L82J0G9775511      | L82J4G9775513 | 3   |
| Lethbridge - Alberta             | L997  | 181         | 181  | L82J5G9775570      | L82J5G9775570 | 1   |
| Lethbridge - Alberta             | L997  | 182         | 182  | L82J9G9775572      | L82J9G9775572 | 1   |
| Lethbridge - Alberta             | L997  | 184         | 184  | L82J4G9775575      | L82J4G9775575 | 1   |
| Lethbridge - Alberta             | L997  | 186         | 186  | L82JXG9775578      | L82JXG9775578 | 1   |
| Marketing Sales Demo             | LA13  | —           | —    | L82J1G9775615      | L82J1G9775615 | 1   |
| Moncton (Codiac) - New Brunswick | LA06  | —           | —    | L82J4G9775558      | L82J4G9775558 | 1   |
| New York City Transit - New York | L845  | 8177        | 8178 | L82J8G9775112      | L82JXG9775113 | 2   |
| New York City Transit - New York | L845  | 8180        | 8180 | L82J3G9775115      | L82J3G9775115 | 1   |
| New York City Transit - New York | L845  | 8296        | 8296 | L82J9G9775121      | L82J9G9775121 | 1   |
| New York City Transit - New York | L845  | 8306        | 8307 | L82J1G9775131      | L82J3G9775132 | 2   |
| New York City Transit - New York | L845  | 8317        | 8317 | L82J6G9775142      | L82J6G9775142 | 1   |
| New York City Transit - New York | L845  | 8348        | 8348 | L82J8G9775143      | L82J8G9775143 | 1   |
| NFTA - Buffalo, New York         | L947  | 1604        | 1604 | L82K9G9775256      | L82K9G9775256 | 1   |

| CLIENT                                     | ORDER | ROAD NUMBER |       | VIN (2NVY/4RKY...) |               | QTY |
|--------------------------------------------|-------|-------------|-------|--------------------|---------------|-----|
|                                            |       | FROM        | TO    | FROM               | TO            |     |
| NFTA - Buffalo, New York                   | L947  | 1617        | 1617  | L82K5G9775299      | L82K5G9775299 | 1   |
| NFTA - Buffalo, New York                   | L947  | 1619        | 1619  | L82K9G9775306      | L82K9G9775306 | 1   |
| North Bay - Ontario                        | L979  | 787         | 787   | L82J6G3750313      | L82J6G3750313 | 1   |
| Orillia Ontario                            | L965  | 1722        | 1722  | L82J3G3750320      | L82J3G3750320 | 1   |
| Peterborough - Ontario                     | L966  | 67          | 67    | L82J2G3750230      | L82J2G3750230 | 1   |
| Peterborough - Ontario                     | L966  | 68          | 68    | L82J4G3750231      | L82J4G3750231 | 1   |
| Red Deer - Alberta                         | L924  | 10108       | 10108 | L82KXG9775525      | L82KXG9775525 | 1   |
| Red Deer - Alberta                         | L924  | 10110       | 10110 | L82K7G9775529      | L82K7G9775529 | 1   |
| Red Deer - Alberta                         | L924  | 10112       | 10112 | L82K4G9775536      | L82K4G9775536 | 1   |
| Red Deer - Alberta                         | L924  | 10136       | 10136 | L82K6G9775540      | L82K6G9775540 | 1   |
| San Antonio Texas                          | LA10  | 422         | 422   | L82K9G9775628      | L82K9G9775628 | 1   |
| San Antonio Texas                          | LA10  | 431         | 431   | L82K1G9775638      | L82K1G9775638 | 1   |
| San Antonio Texas                          | LA10  | 437         | 438   | L82K7G9775644      | L82K9G9775645 | 2   |
| San Antonio Texas                          | LA10  | 440         | 442   | L82K2G9775647      | L82K6G9775649 | 3   |
| San Antonio Texas                          | LA10  | 446         | 446   | L82K8G9775653      | L82K8G9775653 | 1   |
| San Antonio Texas                          | LA22  | 447         | 449   | L82K8H9775654      | L82K1H9775656 | 3   |
| San Antonio Texas                          | LA22  | 460         | 461   | L82K6H9775667      | L82K8H9775668 | 2   |
| San Antonio Texas                          | LA22  | 464         | 464   | L82K8H9775671      | L82K8H9775671 | 1   |
| San Antonio Texas                          | LA22  | 467         | 467   | L82K3H9775674      | L82K3H9775674 | 1   |
| San Antonio Texas                          | LA22  | 484         | 485   | L82K3H9775691      | L82K5H9775692 | 2   |
| San Antonio Texas                          | LA22  | 499         | 499   | L82K1H9775706      | L82K1H9775706 | 1   |
| San Antonio Texas                          | LA22  | 517         | 519   | L82K3H9775724      | L82K7H9775726 | 3   |
| San Antonio Texas                          | LA22  | 524         | 525   | L82K0H9775731      | L82K2H9775732 | 2   |
| San Antonio Texas                          | LA22  | 544         | 544   | L82K6H9775751      | L82K6H9775751 | 1   |
| San Antonio Texas                          | LA22  | 554         | 554   | L82K9H9775761      | L82K9H9775761 | 1   |
| San Antonio Texas                          | LA35  | 591         | 591   | L82K2H9775892      | L82K2H9775892 | 1   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8544        | 8544  | L82J2G3750115      | L82J2G3750115 | 1   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8546        | 8546  | L82J6G3750117      | L82J6G3750117 | 1   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8548        | 8553  | L82JXG3750119      | L82J6G3750134 | 6   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8568        | 8568  | L82J6G3750179      | L82J6G3750179 | 1   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8569        | 8569  | L82J1G3750235      | L82J1G3750235 | 1   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8571        | 8571  | L82J5G3750237      | L82J5G3750237 | 1   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8584        | 8584  | L82J8G3750250      | L82J8G3750250 | 1   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8590        | 8590  | L82J3G3750267      | L82J3G3750267 | 1   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8599        | 8600  | L82J8G3750278      | L82JXG3750279 | 2   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8604        | 8604  | L82J1G3750283      | L82J1G3750283 | 1   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8610        | 8612  | L82JXG3750394      | L82J3G3750396 | 3   |
| Toronto Transit Commission - TTC - Ontario | L937  | 8614        | 8615  | L82J7G3750398      | L82J9G3750399 | 2   |
| Toronto Transit Commission - TTC - Ontario | L998  | 8642        | 8642  | L82J6H3750569      | L82J6H3750569 | 1   |
| Toronto Transit Commission - TTC - Ontario | L998  | 8705        | 8706  | L82JXH3750672      | L82J1H3750673 | 2   |
| University of Alabama - Alabama            | L961  | 7033        | 7033  | L82J9G9775295      | L82J9G9775295 | 1   |
| York Regional Transit - Ontario            | L967  | 1615        | 1615  | L82J7G9775621      | L82J7G9775621 | 1   |
| York Regional Transit - Ontario            | L967  | 1618        | 1618  | L82J2G9775624      | L82J2G9775624 | 1   |
| York Regional Transit - Ontario            | L967  | 1619        | 1619  | L82J4G9775625      | L82J4G9775625 | 1   |

| CLIENT                          | ORDER | ROAD NUMBER |      | VIN (2NVY/4RKY...) |                | QTY |
|---------------------------------|-------|-------------|------|--------------------|----------------|-----|
|                                 |       | FROM        | TO   | FROM               | TO             |     |
| York Regional Transit - Ontario | LA07  | 1701        | 1701 | YL82J9G3750340     | YL82J9G3750340 | 1   |
| York Regional Transit - Ontario | LA07  | 1708        | 1709 | L82J3G3750351      | L82J5G3750352  | 2   |

**WARNING**

Follow your internal safety procedures.

## PROCEDURE

**NOTE**

This Campaign has to be completed commercially and technically by end of 2018.

**NOTE**

The instructions included in this document has been provided by ZF. Nova Bus cannot be held responsible under any circumstances for its content.

**NOTE**

The corrective measures must be conducted during the next regular service interval within the next 6 months or 40,000 km (whatever comes first). Contact ZF service partner for repair if necessary.

**NOTE**

Fill the ZF product with recuperated oil before operation.

## ANNEX - CHECKING OF SLOTTED NUT-HUB BOLT CONNECTION ON A 132, AV 110/132/133, AV 132

File 1  
Type: Assembly Instr.  
Consecutive no.: 80/17e  
Date: 12.10.2017

### Service Information



### Checking of slotted nut-hub bolt connection on A 132, AV 110/132/133, AVN 132

For quality assurance purposes the slotted nut bolt connection of the hubs must be checked on selected serial numbers of bus axles of the type A 132, AV 110/132/133 and AVN 132 produced in the period from January 2016 to March 2017. For implementation, the responsible Service Partners will be informed about the location of the actually affected axles by the Technical Customer Service of ZF or by the vehicle manufacturer.

The necessary work steps are indicated on the following pages.

| Contents                                                               | Page |
|------------------------------------------------------------------------|------|
| ▪ Checking of slotted nut-hub bolt connection on A 132, AV 110/132/133 | 2    |
| ▪ Checking of slotted nut-hub bolt connection on AVN 132               | 5    |

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Chairman of the Supervisory Board: Prof. Dr. Giorgio Behr  
Board of Management: Dr. Stefan Sommer (Vorsitzender/CEO), Dr. Konstantin Sauer,  
Jürgen Holesa, Michael Hankel, Wilhelm Rehm, Dr. Franz Kleiner, Peter Lake  
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File: 1  
Type: Assembly Instr.  
Consecutive no.: 80/17e  
Date: 06.10.2017  
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## Service Information



### Checking of slotted nut-hub bolt connection on A 132, AV 110/132/133

#### Safety instructions environment

Operating supplies and auxiliary materials may not be allowed to enter the soil, groundwater, or sewage system.

- Request material safety data sheets for the corresponding ZF products from your responsible environmental protection authority, and observe them.
- Collect operating supplies and auxiliary materials in a sufficiently large container.
- Dispose of operating supplies and auxiliary materials, waste, containers, soaked cleaning cloths, contaminated filters, etc. in accordance with the regulations of the environmental protection laws.
- Pay attention to the manufacturer's regulations and accident prevention regulations.

When selecting operating supplies and auxiliary materials, pay attention to health risks, environmental compatibility, disposal regulations and your country-specific opportunities to dispose of such materials properly.

For further safety instructions refer to the corresponding Repair Manual.

#### Requirements:

- Vehicle jacked-up.
- Wheels may remain on the vehicle.

#### Special tools:

- 5870.401.146 Slotted nut wrench

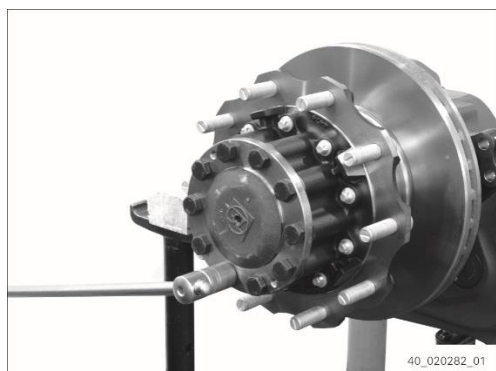


Figure 1

1. Fix hub by inserting the parking brake.
2. Loosen screws of the flange shaft.

File: 1  
Type: Assembly Instr.  
Consecutive no.: 80/17e  
Date: 06.10.2017  
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## Service Information



Figure 2



Figure 3

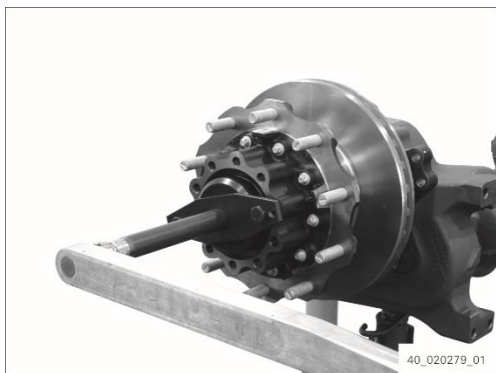


Figure 4

3. Observe safety instructions environment.  
Remove flange shaft and collect leaking oil.
4. Unlock outer slotted nut.
5. Loosen outer slotted nut with 5870.401.146 [slotted nut wrench].
6. Remove locking plate.
7. Loosen inner slotted nut with 5870.401.146 [slotted nut wrench].
8. Tighten inner slotted nut with 5870.401.146 [slotted nut wrench].  
Tightening torque: **100 Nm**
9. Rotate the hub in both directions several times.
10. Tighten inner slotted nut with 5870.401.146 [slotted nut wrench].  
Tightening torque: **850 Nm**
11. Push **new** locking plate with tab pointing inwards onto the hub carrier.
12. Bolt on outer slotted nut with the chamfer pointing inwards.
13. Tighten outer slotted nut with 5870.401.146 [slotted nut wrench].  
Tightening torque: **1200 Nm**

File: 1  
Type: Assembly Instr.  
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## Service Information

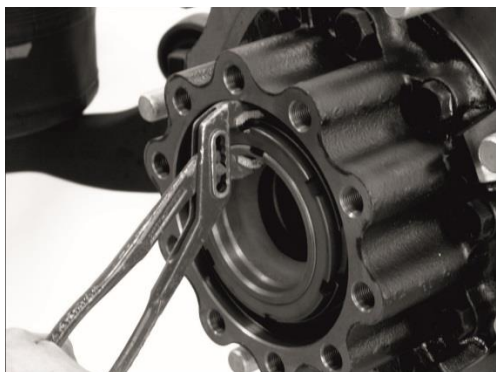


Figure 5

14. Secure outer slotted nut with locking plate.



Figure 6

15. Grease **new** O-ring (1) and insert it into the annular groove of the flange shaft.

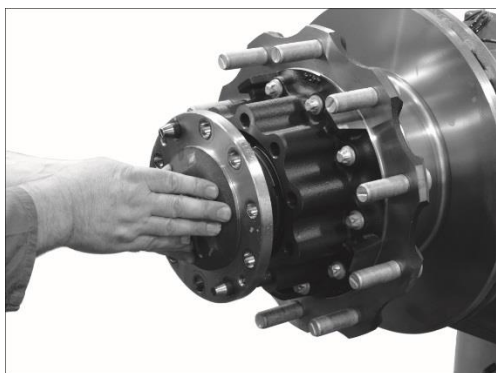


Figure 7

16. Push flange shaft into the hub carrier.

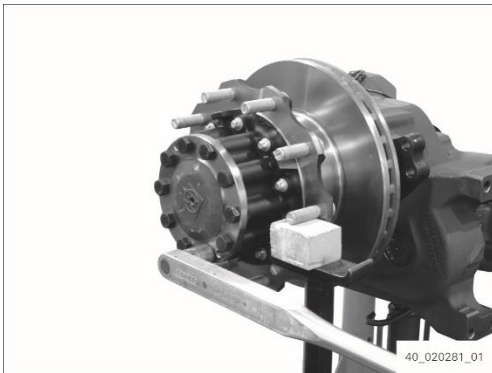


Figure 8

17. Fix hub by inserting the parking brake.
18. Turn in and tighten the screws.  
Tightening torque: **440 Nm**