



1300 662 766



PIB # 08

November 2014

NASON PRODUCT INFORMATION BULLETIN

Toyota GR Series Water Pumps

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There appears to be some confusion with regards to water pumps that suit the Toyota GR Family Engines,
We Trust this information will help with identification of the correct water pump

| Application | Year | Eng Code | Nason # | Partco | Tru Flow |
|----------------------------|---------------|--------------------------|---------|--------|----------|
| FJ CRUISER GRJ120 | 2003 – 2009 | 1GR-FE 4.0L DOHC V6 24V | W3153 | 8080 | TF8272 |
| HI LUX GGN15, GGN25 | 2005 – ON | 1GR-FE 4.0L DOHC V6 24V | W3153 | 8080 | TF8272 |
| KLUGER GSU40R, GSU45R | 8/2007 – ON | 1GR-FE 4.0L DOHC V6 24V | W3153 | 8080 | TF8272 |
| PRADO GRJ120 | 2003 – 2009 | 1GR-FE 4.0L DOHC V6 24V | W3153 | 8080 | TF8272 |
| FJ CRUISER GSJ15R, | 3/2011 – ON | 1GR-FE 4.0L DOHC V6 24V | W3177 | | TF8483 |
| PRADO GRJ150 | 11/2009 – ON | 1GR-FE 4.0L DOHC V6 24V | W3177 | | TF8483 |
| AURION GSV40R, GSV50R | 2006 – ON | 2GR-FE 3.5L V6 DOHC 24V | W3150 | 7539 | TF8253 |
| KLUGER GSU40, GSU45 | 2007 – 14 | 2GR-FE 3.5L V6 DOHC 24V | W3150 | 7539 | TF8253 |
| LEXUS RX350, GSU35 | 2006 – ON | 2GR-FE 3.5L V6 DOHC 24V | W3150 | 7539 | TF8253 |
| LEXUS RX450H GYL15 | 2009 – ON | 2GR-FXE 3.5L V6 DOHC 24V | W3150 | 7539 | TF8253 |
| RAV 4 GSA33 | 2007 – ON | 2GR-FE 3.5L V6 DOHC 24V | W3150 | 7539 | TF8253 |
| TARAGO GSR50 | 2007 – ON | 2GR-FE 3.5L V6 DOHC 24V | W3150 | 7539 | TF8253 |
| LEXUS GS450H GWS191R | 2006 – ON | 2GR-FSE 3.5L DOHC 24V | W3174 | 6539 | TF8229 |
| LEXUS GS350 GRJ10R | 2012 – 15 | 2GR-FSE 3.5L DOHC 24V | W3174 | 6539 | TF8229 |
| LEXUS IS350 GSF21R, GSF31R | 2010 - 6/2013 | 2GR-FSE 3.5L DOHC 24V | W3174 | 6539 | TF8229 |
| LEXUS GS300 GRS190R | 2005 – ON | 3GR-FE 3.0L V6 DOHC 24V | W3174 | 6539 | TF8229 |
| LEXUS IS250 GSE20R, GSE30R | 2006 – ON | 4GR-FE 2.5L V6 DOHC 24V | W3174 | 6539 | TF8229 |
| LEXUS GS250 GRJ11R | 2012 – 15 | 4GR-FE 2.5L V6 DOHC 24V | W3174 | 6539 | TF8229 |

The difference between W3150 & W3174 for 2GR, 3GR, 4GR – Series with the **70mm** hubs is very small. Enough of a difference that mounting them on the wrong vehicle is not probable as the mounting holes vary slightly. The same goes for the W3153 & W3177 for 1GR – Series with the **78mm** hubs.



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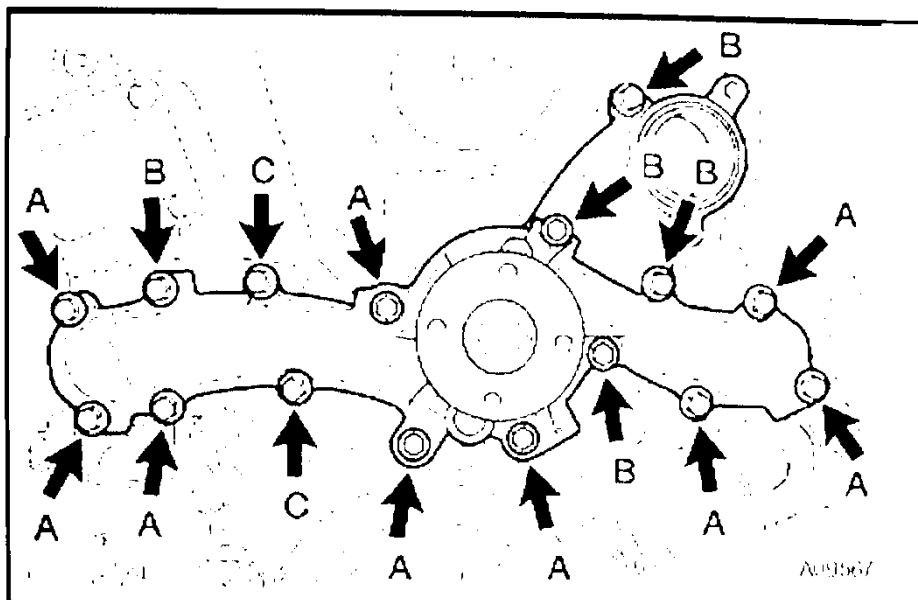
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Now you have the right
water pump, lets talk,
Torque Settings !

INSTALLATION



1. INSTALL WATER PUMP ASSEMBLY

- a. Install a new water pump gasket and the water pump assembly with the 16 bolts.

Torque:

21 Nm (214 kgf-cm, 15 ft. lbs.) for bolts A

9.1 Nm (93 kgf-cm, 81 inch lbs.) for bolts B and C

NOTICE:

- ^ Be sure to replace 2 bolts C with new ones or reuse them after applying adhesive 1344.
- ^ Make sure that there is no oil on the threads of the A bolts.