

ENGINE MECHANICAL - EM

ZD30DDTi Timing Chain

The mechanical timing system is configured as displayed in the diagram shown right.

As the case with the previous ZD engine, there is only 1 chain & it is driven by the sprocket attached to the Fuel Pump drive gear. The chain then drives a single sprocket which in turn drives the RH camshaft. The 2nd camshaft is driven via an idler gear.

Refer to section EM of the Service Manual for more information on the components shown right.



ZD30DDTi Timing Gears

The Timing Gear arrangement continues in the same format as the previous ZD30 engine.

The Fuel Pump removal procedure has been simplified. The pump needs to have 3 bolts removed from the rear. The Fuel Pump detaches from the engine without the need to remove timing gears etc.

Refer to section EM of the Service Manual for more information on the components shown right.

Refer to Section EC of the Service Manual for information regarding the removal of the Fuel Pump.

Special Notes for the removal of bolts etc. when dismantling the front section of the engine.

1. None of the components (timing gears & chains etc.) in the diagrams shown right need to be removed for the Fuel Pump removal process on the new ZD30 CRD engine. Refer over page for more detail.

2. Please refer to **STB EM 04-005**. It clearly states that you must **NEVER** use an impact gun on any bolts that attach valve train gears etc. to the engine. Otherwise **SEVERE ENGINE DAMAGE WILL RESULT** and it will be at the **REPAIRERS EXPENSE!**



Service Manual For 2015 Zd30 Nissan Patrol

Yicheng Fang



Service Manual For 2015 Zd30 Nissan Patrol:

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Nissan,1977 **Service Manual** Nissan Jidōsha Kabushiki Kaisha,1977 **Patrol, GU Series, ZD30 Turbo Diesel Engine** Les Garam,Jonathan Eagleton,2002 *Service Manual* ,1975 Nissan Patrol Nissan Jidōsha Kabushiki Kaisha,196? **Nissan Patrol and Ford Maverick Australian Automotive Repair Manual** Tim Imhoff,John Harold Haynes,2001-01-01 Nissan Patrol Series GQ 3 0 4 2 petrol 4 2 diesel Ford Maverick Series DA Petrol diesel models Does NOT cover UK Ford Maverick or Nissan Terrano Nissan Patrol Model Y60 Series, Supplement I ,1989 *Nissan Patrol Model Y60 Series, Supplement IV* ,1993 **Nissan Patrol Model Y60 Series, Supplement II** ,1989 **Nissan Patrol Automotive Repair Manual** Jeff Killingsworth,John Harold Haynes,2005-01-01 **Nissan Patrol Ford Maverick 2. 8 and 4. 2 Litre Diesel 1988-1997** Universal Publishers,1993-04-01 **Nissan Patrol** ,1984 **Nissan Patrol Model Y60 Series, Supplement III** ,1991 *Nissan Patrol, Ford Maverick Diesel 1988-1993* ,1993-07 *Nissan Patrol & Ford Maverick Automotive Repair Manual* Tim Imhoff,John Harold Haynes,1997-01-01 **Nissan Patrol service manual** , **Nissan Patrol MQ Series 1980-1987** Universal Publishers,1987-07-01

Service Manual For 2015 Zd30 Nissan Patrol Book Review: Unveiling the Magic of Language

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