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ZD30DDTi CRD Engine Name Australia July 2008

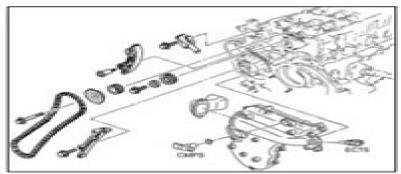
#### **ENGINE MECHANICAL - EM**

#### **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 the drives a single sprocket which in turn drives the RH camshaft. The 2<sup>rd</sup> 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

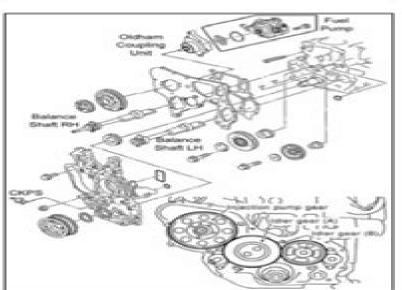
The Timing Gear arrangement continues in the same format as the previous ZD30 engine.

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 <u>without</u> 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 Pump. Special Notes for the removal of bolts etc. when dismantling the front section of the engine.

 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.

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!



# Nissan Zd30 Repair Manual

**Ian Coomber** 

#### Nissan Zd30 Repair Manual:

Nissan Patrol Automotive Repair Manual Geoff Wilson, John Harold Haynes, 2014-08-15 This is a maintenance repair manual for the Nissan Patrol Nissan Patrol 1998 to 2009 Vehicle Repair Manual Max Ellery, 2009-12-15 Nissan Patrol 1998 to 2009 Diesel and Petrol Gasoline Engines including Turbo with World Wide Spec s This manual has over 500 pages It has step by step instructions in every chapter Covering both model produced the Station Wagons and tray models Engine chapters The book covers all diesel engines RD28 TD42 and ZD30 including the common rail engine turbocharged engines are covered All petrol gasoline engines TB42 TB45 and TB48 the TB42 was an option in some countries in the first few years of production Chapters are full of step by step instructions plus plenty of photographs and line illustrations to give the reader explicit detail suitable for everyone regardless of whether you require minor engine work or a major rebuild Patrol 1998 to 2009 Vehicle Repair Manual Max Ellery, 2009-12-15 Nissan Patrol 1998 to 2009 Diesel and Petrol Gasoline Engines including Turbo with World Wide Spec s This manual has over 500 pages It has step by step instructions in every chapter Covering both model produced the Station Wagons and tray models Engine chapters The book covers all diesel engines RD28 TD42 and ZD30 including the common rail engine turbocharged engines are covered All petrol gasoline engines TB42 TB45 and TB48 the TB42 was an option in some countries in the first few years of production Chapters are full of step by step instructions plus plenty of photographs and line illustrations to give the reader explicit detail suitable for Nissan Owners Workshop Manual P. G. everyone regardless of whether you require minor engine work or a major rebuild Strasman.1991 Nissan Owners Workshop Manual Peter G. Strasman, 1986 Nissan Owners Workshop Manual P. G. Strasman, John Harold Havnes, 1988 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 Mayerick Series DA Petrol diesel models Does NOT cover UK Ford Mayerick or Nissan Terrano Nissan Pick-ups Automotive Repair Manual Rik Paul, 1988 Nissan Navara and Pathfinder Automotive Repair Manual Jeff Killingsworth, John Harold Haynes, 2006-01-01 Navara D21 Pathfinder with 2 0L 2 4L 3 0L petrol engines 2WD 4WD Does not include diesel engine information Nissan Pick-ups Rik Paul, Ken Freund, John Harold Haynes, 1991 Nissan Sunny 1986-91 Service and Repair Manual Ian Coomber, Mark Coombs, 1996 Hatchback Saloon Pulsar N13 Coupe Estate B12 inc ZX special limited editions Petrol 1 3 litre 1270cc 1 4 litre 1392cc 1 6 litre 1597 1598cc 1 8 litre 1809cc Nissan Frontier & Xterra 2005-11 Repair Manual Jay Storer, Chilton, 2012 Covers all U S and Canadian models of Nissan Frontier and Xterra two and four wheel drive Nissan Bluebird Jeremy Churchill,1995 Nissan Sunny Apr 1991 to 1995 (H to N Registration) **Petrol** A. K. Legg, Spencer Drayton, 2003 Chilton's Nissan Sentra, Pulsar, 1982-92 Repair Manual Chilton Automotive Books, 1992 Covers all U S and Canadian models of Nissan Sentra and Pulsar Nissan Titan and Armada Automotive Repair Manual Chilton, 2014-07 Total Car Care is the most complete step by step automotive repair manual you ll ever use All repair procedures are supported by detailed specifications exploded views and photographs From the simplest repair procedure to the most complex trust Chilton's Total Car Care to give you everything you need to do the job Save time and money by doing it yourself with the confidence only a Chilton Repair Manual can provide *Nissan Sunny Owners*Workshop Manual Ian Coomber,1991 Do-it-right Maintenance, Tune-up & Repair Manual Nissan Motor Corporation in U.S.A.,1986 **Do-it-right Maintenance, Tune-up & Repair Manual**,1989 Nissan Body Repair Manual Nissan Jidōsha Kabushiki Kaisha,1983

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