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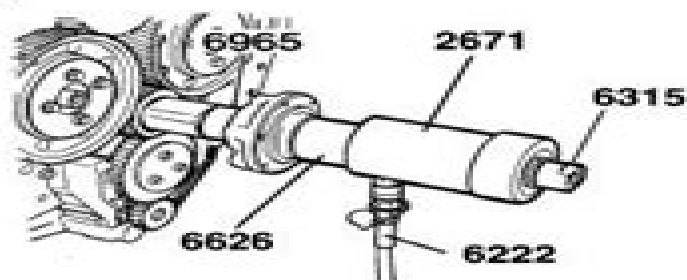


Fig. 14: Installing polygon hub

Apply assembly paste to the crankshaft. Place the polygon hub, tool 9996626 and hydraulic cylinder 9992671 on 9996315. Install the nut onto the spindle and use tool 9996222 to press on the polygon hub.

9996626
9992671
9996315
9996222

26

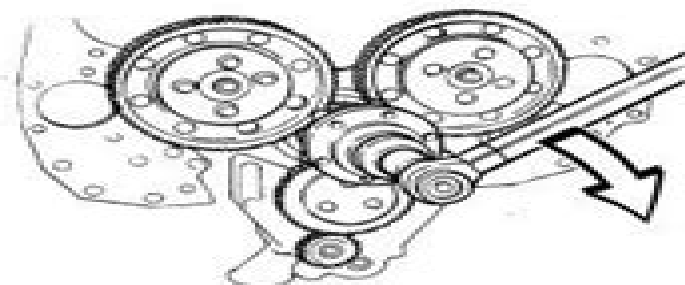


Fig. 15: Torque-tightening the crankshaft drive gear bolt

Remove the tools. Install the bolt and washer and torque-tighten to 645 ± 25 Nm (475 ± 18 ft-lb).

645 ± 25 Nm
(475 ± 18 ft-lb)

27

Remove blocking tool 9996950 from the flywheel housing and install flywheel turning tool 9996956.

9996950
9996956

28

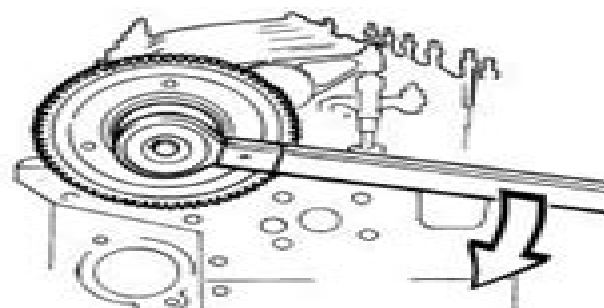
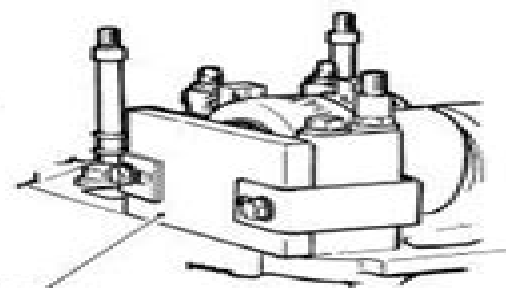


Fig. 16: Torque-tightening the camshaft drive gear bolt



8270

Fig. 17: Installing the camshaft drive gear

Install the camshaft drive gear. Use tool 9998270 as a support. Torque-tighten to 645 ± 25 Nm (475 ± 18 ft-lb).

645 ± 25 Nm
(475 ± 18 ft-lb)
9998270

Volvo D12a Engine Manual

Chris Randall



Volvo D12a Engine Manual:

Heavy Vehicle Accident Reconstruction Christopher D Armstrong, 2018-11-02 The last ten years have seen explosive growth in the technology available to the collision analyst changing the way reconstruction is practiced in fundamental ways The greatest technological advances for the crash reconstruction community have come in the realms of photogrammetry and digital media analysis The widespread use of scanning technology has facilitated the implementation of powerful new tools to digitize forensic data create 3D models and visualize and analyze crash vehicles and environments The introduction of unmanned aerial systems and standardization of crash data recorders to the crash reconstruction community have enhanced the ability of a crash analyst to visualize and model the components of a crash reconstruction Because of the technological changes occurring in the industry many SAE papers have been written to address the validation and use of new tools for collision reconstruction Collision Reconstruction Methodologies Volumes 1 12 bring together seminal SAE technical papers surrounding advancements in the crash reconstruction field Topics featured in the series include Night Vision Study and Photogrammetry Vehicle Event Data Recorders Motorcycle Heavy Vehicle Bicycle and Pedestrian Accident Reconstruction The goal is to provide the latest technologies and methodologies being introduced into collision reconstruction appealing to crash analysts consultants and safety engineers alike *Moody's International Manual*, 1997

Truck and Commercial Vehicle International, 1994 **California Builder & Engineer**, 2003 **Volvo Service Manual** Volvo, Aktiebolaget, 1962 **Volvo Service Manual** Volvo, Aktiebolaget, 1978 Workshop Manual Engine Volvo, Peugeot, Renault, de Lorean Volvo B28, 2009 Complete Handbook for the V6 Europe Engine Peugeot Volvo Renault Alpine De Lorean and others **Volvo Service Manual Repair Instructions**, 1975 **Volvo S40 and V50 Diesel Owner's Workshop Manual, 07-13** Chris Randall, 2016-10 *Volvo* John Haynes, 1998-07-30 Haynes offers the best coverage for cars trucks vans SUVs and motorcycles on the market today Each manual contains easy to follow step by step instructions linked to hundreds of photographs and illustrations Included in every manual troubleshooting section to help identify specific problems tips that give valuable short cuts to make the job easier and eliminate the need for special tools notes cautions and warnings for the home mechanic color spark plug diagnosis and an easy to use index **Service Manual**, 1968 *Volvo 160 Series, 1968-75* R. M. Clarke, 1998-09 Includes Engine fuel cooling systems ignition clutch gearbox overdrive automatic transmission suspension hubs steering gear brakes electrics bodywork plus buyers guide Covers models 164 164E 164TE

Volvo 142, 144 and 145 Owner Workshop Manual John Harold Haynes, 2012-10-01 An owners workshop manual for the Volvo 142 144 and 145 Volvo S40 and V50 Diesel (07-13) 07 to 62 Chris Randall, 2013-01-01 Part of the Haynes Service and Repair Manual Series this title covers Volvo S40 and V50 diesel cars made between 2007 and 2013 **Volvo 440, 460 and 480 Owners Workshop Manual** A. K. Legg, 1993 Volvo Volvo, *Volvo S40 and V50 Petrol and Diesel Service and Repair Manual* Martynn Randall, 2008 S40 Saloon V50 Estate inc special limited editions Does NOT cover Classic

T5 or AWD four wheel drive models or facelifted range introduced July 2007 Petrol 1 8 litre 1798cc 2 0 litre 1999cc 2 4 litre 2435cc Does NOT cover 1 6 litre or 2 5 litre petrol engines Turbo Diesel 2 0 litre 1988cc Does NOT cover 1 6 litre or 2 4 litre diesel engines *Volvo & Daf Owners Workshop Manual ...* John Harold Haynes,A. K. Legg,1979-01-01 *Volvo Service Manual* Volvo, Aktiebolaget,1966 *Volvo Service Manual Repair Instructions* ,1975

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