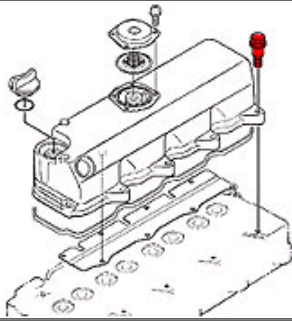




TIGHTENING TORQUES

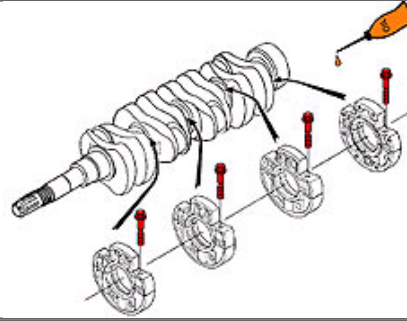
Special Tightening Torques V2203, D1403, D1703, D1503, D1803, V2003, V2403

For "*" marked screws, bolts and nuts on under table, apply engine oil to their threads and seats before tightening.



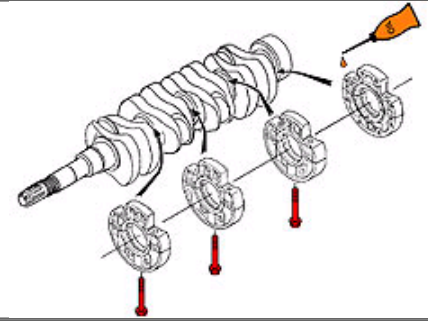
Cylinder Head Cover Screw

D1403	6.9 to 11.3 N m 0.70 to 1.15 kgf m 5.1 to 8.3 ft-lbs
D1703	
D1503	
D1803	
V1903	
V2003	
V2203	
V2403	



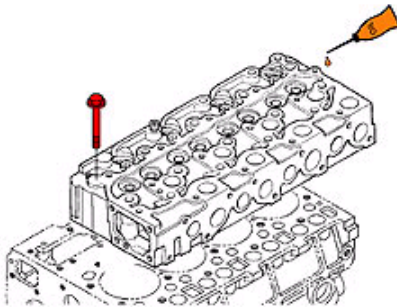
Main Bearing Case Screw-1

D1403	46.1 to 50.9 N m 4.7 to 5.2 kgf m 34.0 to 37.6 ft-lbs
D1703	
D1503	
D1803	
V1903	
V2003	
V2203	
V2403	



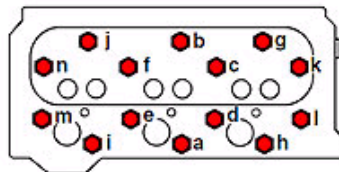
Main Bearing Case Screw-2

D1403	68.6 to 73.5 N m 7.0 to 7.5 kgf m 50.6 to 54.2 ft-lbs
D1703	
D1503	
D1803	
V1903	
V2003	
V2203	
V2403	

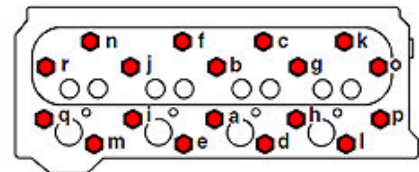


Cylinder head screw

D1403	93.1 to 98.0 N m 9.5 to 10.0 kgf m 68.7 to 72.3 ft-lbs
D1703	
D1503	
D1803	
V1903	
V2003	
V2203	
V2403	



(A) 3 cylinder model



(B) 4 cylinder model

Cylinder head screw

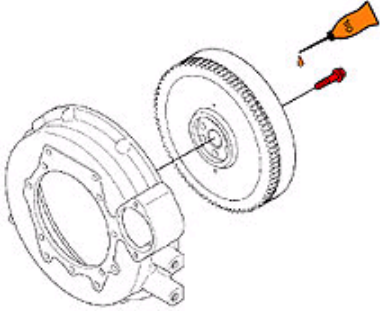
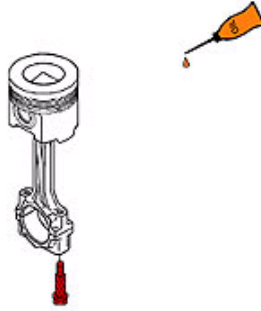
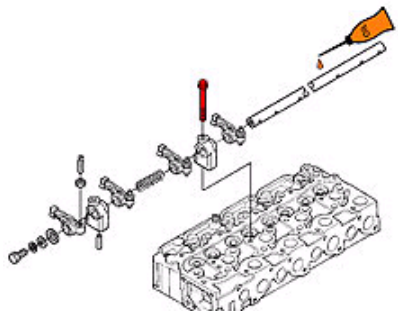
D1403	(A) 3 cylinder model (B) 4 cylinder model
D1703	
D1503	
D1803	
V1903	
V2003	
V2203	
V2403	

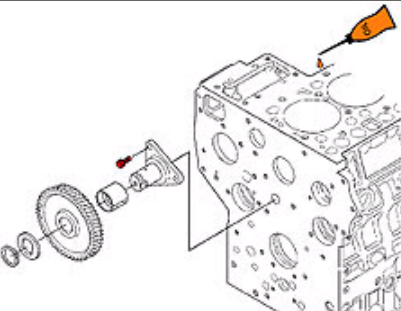
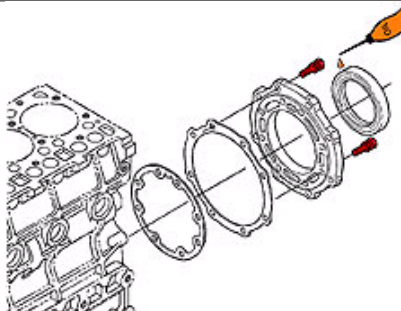
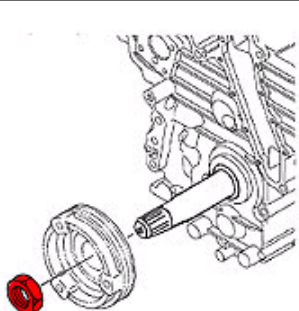


TIGHTENING TORQUES

Special Tightening Torques V2203, D1403, D1703, D1503, D1803, V2003, V2403

For " * " marked screws, bolts and nuts on under table, apply engine oil to their threads and seats before tightening.

					
Flywheel Screw		Connecting Rod Screw		Rocker Arm Bracket Screw	
D1403	98.0 to 107.8 N m 10.0 to 11.0 kgf m 72.3 to 79.5 ft-lbs	D1403	44.1 to 49.0 N m 4.5 to 5.0 kgf m 32.5 to 36.2 ft-lbs	D1403	23.5 to 27.5 N m 2.4 to 2.8 kgf m 17.4 to 20.3 ft-lbs
D1703		D1703		D1703	
D1503		D1503		D1503	
D1803		D1803		D1803	
V1903		V1903		V1903	
V2003		V2003		V2003	
V2203		V2203		V2203	
V2403		V2403		V2403	

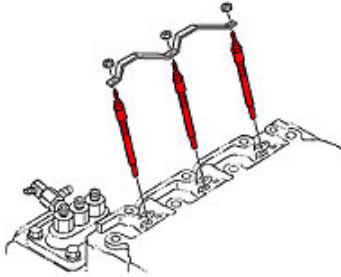
					
Idle gear shaft screw		Bearing case cover screw		Fan drive pulley mounting nut	
D1403	23.5 to 27.5 N m 2.4 to 2.8 kgf m 17.4 to 20.3 ft-lbs	D1403	23.5 to 27.5 N m 2.4 to 2.8 kgf m 17.4 to 20.3 ft-lbs	D1403	137.3 to 156.9 N m 14.0 to 16.0 kgf m 101.3 to 115.7 ft-lbs
D1703		D1703		D1703	
D1503		D1503		D1503	
D1803		D1803		D1803	
V1903		V1903		V1903	
V2003		V2003		V2003	
V2203		V2203		V2203	
V2403		V2403		V2403	



TIGHTENING TORQUES

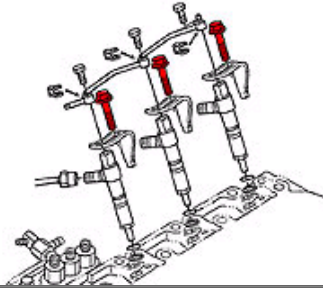
Special Tightening Torques V2203, D1403, D1703, D1503, D1803, V2003, V2403

For " * " marked screws, bolts and nuts on under table, apply engine oil to their threads and seats before tightening.



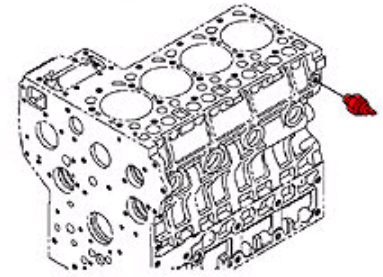
Glow plug

D1403	19.6 to 24.5 N m 2.0 to 2.5 kgf m 14.5 to 18.1 ft-lbs
D1703	
D1503	
D1803	
V1903	
V2003	
V2203	
V2403	



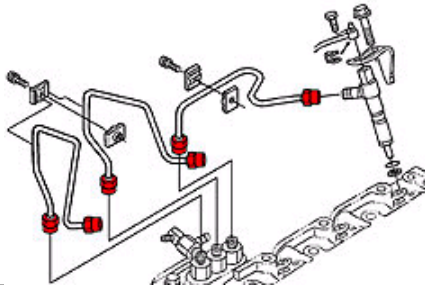
Nozzle holder clamp screw

D1403	25.5 to 29.4 N m 2.6 to 3.0 kgf m 18.8 to 21.7 ft-lbs
D1703	
D1503	
D1803	
V1903	
V2003	
V2203	
V2403	



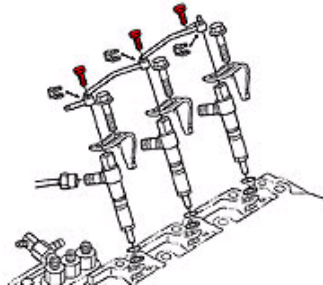
Oil switch taper screw

D1403	14.7 to 19.6 N m 1.5 to 2.0 kgf m 10.8 to 14.5 ft-lbs
D1703	
D1503	
D1803	
V1903	
V2003	
V2203	
V2403	



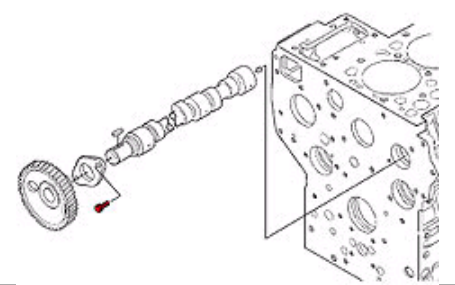
Injection pipe retaining nut

D1403	14.7 to 24.5 N m 1.5 to 2.5 kgf m 10.8 to 18.1 ft-lbs
D1703	
D1503	
D1803	
V1903	
V2003	
V2203	
V2403	



Overflow pipe assembly retaining screw

D1403	9.8 to 11.3 N m 1.00 to 1.15 kgf m 7.2 to 8.3 ft-lbs
D1703	
D1503	
D1803	
V1903	
V2003	
V2203	
V2403	



Camshaft set screw

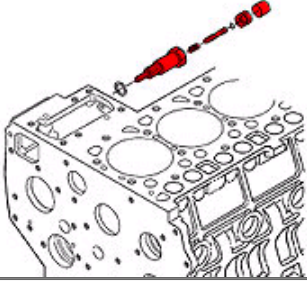
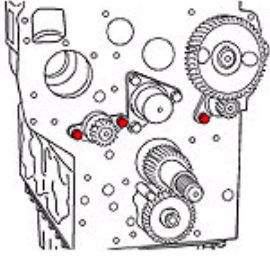
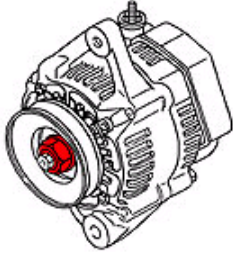
D1403	23.5 to 27.5 N m 2.4 to 2.8 kgf m 17.4 to 20.3 ft-lbs
D1703	
D1503	
D1803	
V1903	
V2003	
V2203	
V2403	



TIGHTENING TORQUES

Special Tightening Torques V2203, D1403, D1703, D1503, D1803, V2003, V2403

For " * " marked screws, bolts and nuts on under table, apply engine oil to their threads and seats before tightening.

					
Hi-idling body		Balancer shaft set bolt		Alternator pulley nut	
D1403	44.1 to 49.0 N m 4.5 to 5.0 kgf m 32.6 to 36.3 ft-lbs	D1403	23.5 to 27.5 N m 2.4 to 2.8 kgf m 17.4 to 20.3 ft-lbs	D1403	58.3 to 78.9 N m 5.95 to 8.05 kgf m 43.0 to 58.2 ft-lbs
D1703					
D1503					
D1803					
V1903					
V2003					
V2203					
V2403					

General Tightening Torques

Screw and bolt material grades are shown by numbers punched on the screw and bolt heads.

Prior to tightening, be sure to check out the numbers as shown below.

None or 4 : Standard grade

7 : Special grade

Nominal Diameter	Standard Grade	Special Grade
M6	7.9 to 9.3 N m 0.80 to 0.95 kgf m 5.8 to 6.9 ft-lbs	7.9 to 9.3 N m 0.80 to 0.95 kgf m 5.8 to 6.9 ft-lbs
M8	7.9 to 9.3 N m 0.80 to 0.95 kgf m 5.8 to 6.9 ft-lbs	7.9 to 9.3 N m 0.80 to 0.95 kgf m 5.8 to 6.9 ft-lbs
M10	7.9 to 9.3 N m 0.80 to 0.95 kgf m 5.8 to 6.9 ft-lbs	7.9 to 9.3 N m 0.80 to 0.95 kgf m 5.8 to 6.9 ft-lbs
M12	7.9 to 9.3 N m 0.80 to 0.95 kgf m 5.8 to 6.9 ft-lbs	7.9 to 9.3 N m 0.80 to 0.95 kgf m 5.8 to 6.9 ft-lbs