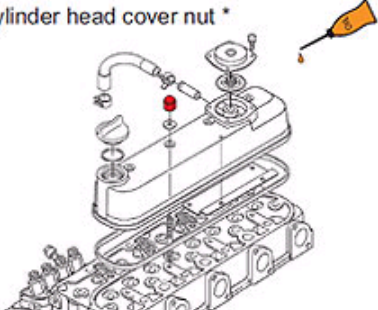
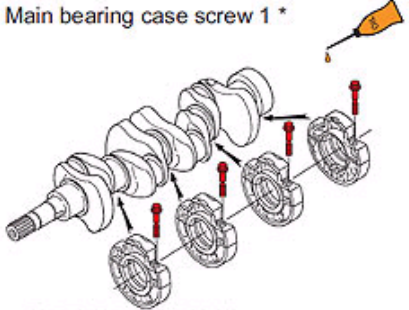
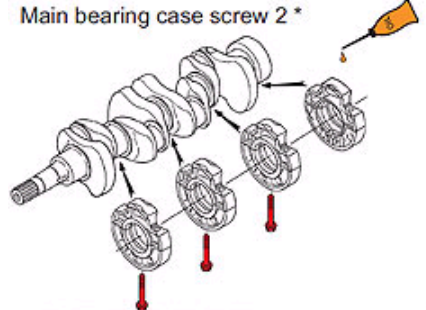


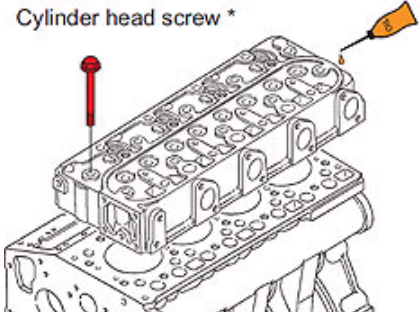
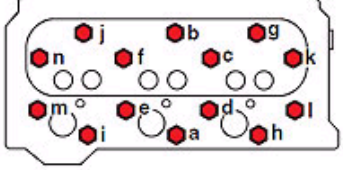
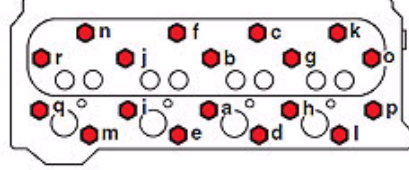


TIGHTENING TORQUES

Special Tightening Torques D905, D1005, D1105, V1305, V1505

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

Cylinder head cover nut *		Main bearing case screw 1 *		Main bearing case screw 2 *	
					
Cylinder Head Cover Nut		Main Bearing Case Screw-1		Main Bearing Case Screw-2	
D905		D905		D905	
D1005		D1005		D1005	
D1105	6.9 to 8.8 N m	D1105	29.4 to 34.3 N m	D1105	49.0 to 53.9 N m
D1105	0.7 to 0.9 kgf m	D1105	3.0 to 3.5 kgf m	D1105	5.0 to 5.5 kgf m
V1305	5.1 to 6.5 ft-lbs	V1305	21.7 to 25.3 ft-lbs	V1305	36.2 to 39.8 ft-lbs
V1505		V1505		V1505	
V1505		V1505		V1505	

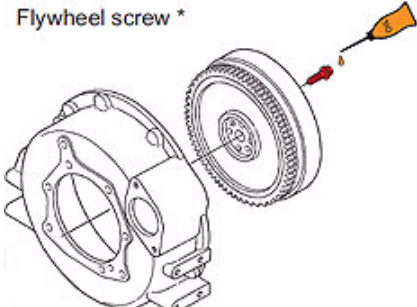
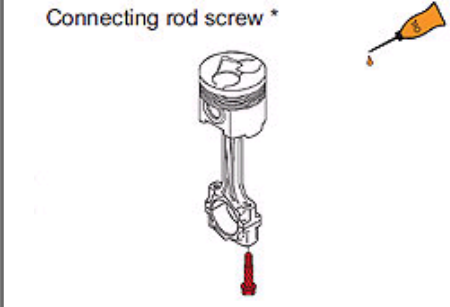
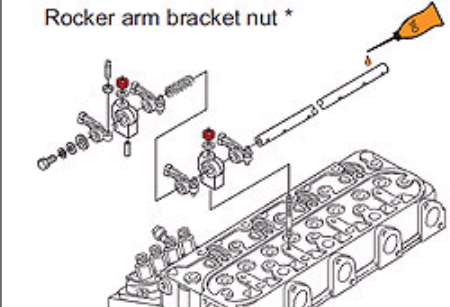
Cylinder head screw *		Cylinder head tightening order	
		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>(A) 3 cylinder model</p>  </div> <div style="text-align: center;"> <p>(B) 4 cylinder model</p>  </div> </div>	
Cylinder head screw		(A) 3 cylinder model (B) 4 cylinder model	
		Cylinder head tightening order	
D905		D905	
D1005		D1005	
D1105	63.7 to 68.6 N m	D1105	(A) 3 cylinder model
D1105	6.5 to 7.0 kgf m	D1105	(B) 4 cylinder model
V1305	47.0 to 50.6 ft-lbs	V1305	
V1505		V1505	
V1505		V1505	

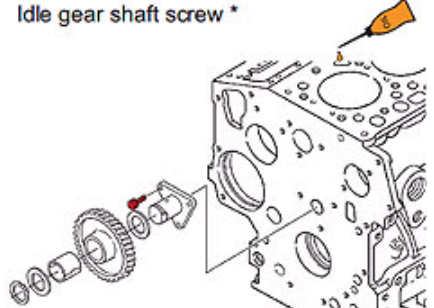
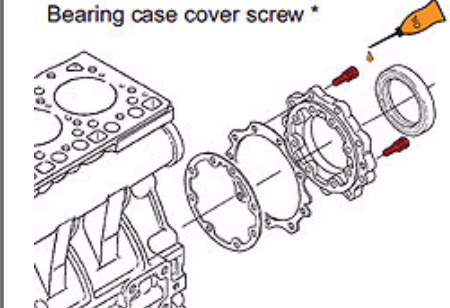
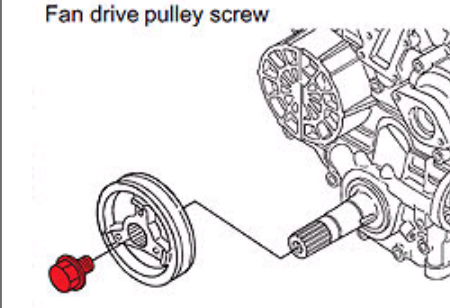


TIGHTENING TORQUES

Special Tightening Torques D905, D1005, D1105, V1305, V1505

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 nut *	
					
Flywheel Screw		Connecting Rod Screw		Rocker Arm Bracket Nut	
D905		D905		D905	
D1005		D1005		D1005	
D1105	53.9 to 58.8 N m	D1105	41.2 to 46.1 N m	D1105	21.6 to 26.5 N m
D1105	5.5 to 6.0 kgf m	D1105	4.2 to 4.7 kgf m	D1105	2.2 to 2.7 kgf m
V1305	39.8 to 43.4 ft-lbs	V1305	30.4 to 34.0 ft-lbs	V1305	15.9 to 19.5 ft-lbs
V1505		V1505		V1505	
V1505		V1505		V1505	

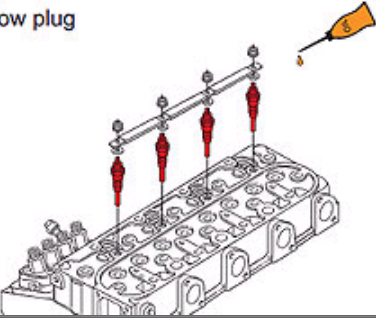
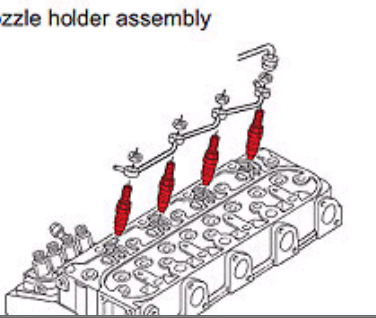
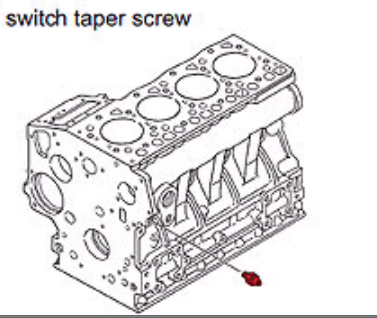
Idle gear shaft screw *		Bearing case cover screw *		Fan drive pulley screw	
					
Idle gear shaft screw		Bearing case cover screw		Fan drive pulley screw	
D905		D905		D905	
D1005		D1005		D1005	
D1105	9.8 to 11.3 N m	D1105	9.8 to 11.3 N m	D1105	235.4 to 245.2 N m
D1105	1.00 to 1.15 kgf m	D1105	1.00 to 1.15 kgf m	D1105	24.0 to 25.0 kgf m
V1305	7.2 to 8.3 ft-lbs	V1305	7.2 to 8.3 ft-lbs	V1305	173.6 to 180.8 ft-lbs
V1505		V1505		V1505	
V1505		V1505		V1505	

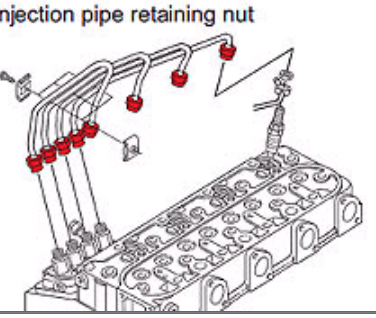
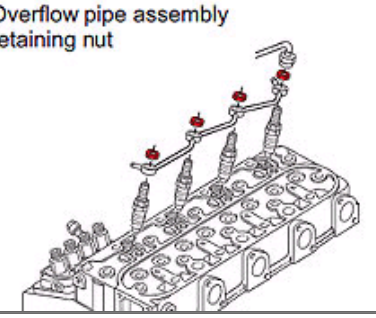
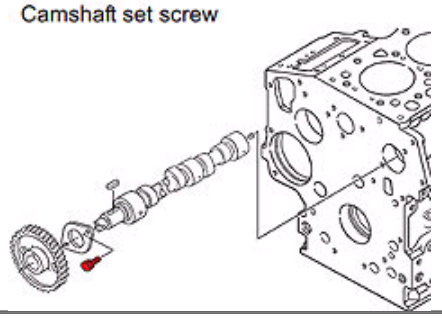


TIGHTENING TORQUES

Special Tightening Torques D905, D1005, D1105, V1305, V1505

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

Glow plug		Nozzle holder assembly		Oil switch taper screw	
					
Glow plug		Nozzle holder assembly		Oil switch taper screw	
D905		D905		D905	
D1005		D1005		D1005	
D1105	7.8 to 14.7 N m	D1105	49.0 to 68.6 N m	D1105	14.7 to 19.6 N m
D1105	0.8 to 1.5 kgf m	D1105	5.0 to 7.0 kgf m	D1105	1.5 to 2.0 kgf m
V1305	5.8 to 10.8 ft-lbs	V1305	36.2 to 50.6 ft-lbs	V1305	10.8 to 14.5 ft-lbs
V1505		V1505		V1505	
V1505		V1505		V1505	

Injection pipe retaining nut		Overflow pipe assembly retaining nut		Camshaft set screw	
					
Injection pipe retaining nut		Overflow pipe assembly retaining nut		Camshaft set screw	
D905		D905		D905	
D1005		D1005		D1005	
D1105	24.5 to 34.3 N m	D1105	19.6 to 24.5 N m	D1105	23.5 to 27.5 N m
D1105	2.5 to 3.5 kgf m	D1105	2.0 to 2.5 kgf m	D1105	2.4 to 2.8 kgf m
V1305	18.1 to 25.3 ft-lbs	V1305	14.5 to 18.1 ft-lbs	V1305	17.4 to 20.3 ft-lbs
V1505		V1505		V1505	
V1505		V1505		V1505	

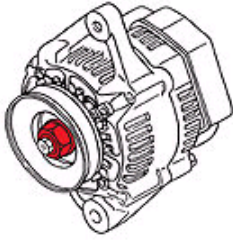


TIGHTENING TORQUES

Special Tightening Torques D905, D1005, D1105, V1305, V1505

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

Alternator pulley nut



Alternator pulley nut

D905	58.3 to 78.9 N m 5.95 to 8.05 kgf m 43.0 to 58.2 ft-lbs
D1005	
D1105	
D1105	
V1305	
V1505	

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