

TIGHTENING TORQUES FOR SPARK PLUGS

	Flat seat type (with gasket)					Conical seat type	
Thread diameter	18 mm	14 mm	12 mm	10 mm	8 mm	18 mm	14 mm
Cast iron head	35-45 Nm	25-35 Nm	15-25 Nm	10-15 Nm	-	20-30 Nm	15-25 Nm
	25.3-32.5 lbsft	18.0-25.3 lbsft	10.8-18.0 lbsft	7.2-10.8 lbsft	-	14.5-21.6 lbsft	10.8-18.0 lbsft
Aluminium head	35-40 Nm	25-30 Nm	15-20 Nm	10-12 Nm	8-10 Nm	20-30 Nm	10-20 Nm
	25.3-28.9 lbsft	18.0-21.6 lbsft	10.8-14.5 lbsft	7.2-8.7 lbsft	5.8-7.2 lbsft	14.5-21.6 lbsft	7.2-14.5 lbsft

To install new spark plugs in the engine, first tighten them by fingers, then retighten the plug using a plug wrench. (see below)

Gasket type	New gasket	Used gasket
18 mm, 14 mm	1/2 to 2/3 turn (180 to 240 degrees)	1/12 turn (30 degrees)
12 mm, 10 mm	1/2 turn (180 degrees)	1/12 turn (30 degrees)
8 mm	1/3 turn (120 degrees)	1/12 turn (30 degrees)
Conical seat type	No gasket	
18 mm, 14 mm	1/12 turn (30 degrees)	