03164–03

TORQUE SPECIFICATION

3RZ–FE:

Part Tightened	N·m	kgf·cm	ft·lbf
Throttle body assy x Intake air surge tank sub–assy	20	200	14
Intake air surge tank sub–assy x Cylinder head sub–assy	18	185	13
Knock sensor x Cylinder block sub–assy	44	450	33
ECM x Body	13	133	10

5L–E:

Part Tightened	N·m	kgf·cm	ft·lbf
Intake flange x Intake manifold	12	122	9
Intake pipe x Cylinder head	18	185	13
ECM x Body	13	133	10
Accelerator pedal rod assy x Body	5.0	51	44 in.·lbf

1KZ–TE:

Part Tightened	N·m	kgf·cm	ft·lbf
Venturi assy x Intake manifold	20	200	15
ECM x Body	13	133	10
Accelerator pedal rod assy x Body	5.0	51	44 in.·lbf

1KD–FTV:

Part Tightened	N·m	kgf·cm	ft·lbf
ECM x Body	13	133	10
Accelerator pedal rod assy x Body	5.0	51	44 in.·lbf
Diesel throttle body x Electric EGR control valve assy	20	204	15
Vacuum switching valve assy x Diesel throttle body	8.0	82	71 in.·lbf
Intercooler assy x Cylinder head Bolt A	20	204	15
Intercooler assy x Cylinder head Bolt B and C	12	122	9.0
Intercooler assy x Intake air connector	10	102	7.0
Intercooler protector x Intarcooler assy	6.0	61	53 in.·lbf