

SNORKEL AIR CLEANER

Part Tightened	N*m	kgf*cm	in.*lbf
No. 1 air cleaner inlet bracket x No. 2 air cleaner inlet bracket	6.5	66	58
Cool air intake pipe x Body	6.5	66	58
No. 2 cool air intake duct x Body	6.5	66	58
Cool air inlet duct x No. 2 cool air intake duct	4.0	41	35
No. 2 air cleaner inlet bracket x Body	6.5	66	58

INTAKE MANIFOLD

Part Tightened	N*m	kgf*cm	ft.*lbf	in.*lbf
No. 2 intake manifold x Cylinder head	21	214	15	
No. 1 intake manifold x Starter hose bracket x Cylinder head	21	214	15	
No. 1 water by-pass pipe x Cylinder block	58.8	600	43	
No. 1 water by-pass pipe x Cylinder head	10	102	7	
No. 3 intake manifold x No. 1 intake manifold and No. 2 intake manifold	21	214	15	
Intake pipe x No. 3 intake manifold	21	214	15	
Intake pipe x No. 4 EGR pipe	21	214	15	
No. 3 EGR pipe x No. 4 EGR pipe	21	214	15	
Fuel filter to injection pipe sub-assembly x Cylinder head cover	10	102	7	
No. 5 fuel pipe sub-assembly x Fuel supply pump	for union bolt	12.3	125	9
	for nut	10	102	7
No. 2 injection pipe clamp x No. 5 fuel pipe sub-assembly	5.0	51		44
No. 6 injection pipe sub-assembly x Common rail	Specified tightening torque	34	347	25
	for use with union nut wrench	29.1	297	21
Injection pipe LH x Common rail and fuel injection	Specified tightening torque	34	347	25
	for use with union nut wrench	29.1	297	21
Injection pipe RH x Common rail and fuel injection	Specified tightening torque	34	347	25
	for use with union nut wrench	29.1	297	21
No. 3 intercooler support bracket x Intake pipe	21	214	15	
Engine wire x Engine	10	102	7	
Fuel pump motor wire x No. 3 intake manifold	10	102	7	
No. 4 water by-pass pipe x Cylinder head	10	102	7	
Vacuum pump to connector tube	for bolt A	21	214	15
	for bolt B	10	102	7
No. 2 engine wire x Cylinder head	13	133	10	
Vacuum reservoir connect tube x Cylinder head	for bolt A	21	214	15
	for bolt B	10	102	7
No. 4 water by-pass pipe x Cylinder head	10	102	7	
No. 2 engine oil dipstick guide x Cylinder head cover	10	102	7	

EXHAUST MANIFOLD W/ TURBOCHARGER

Part Tightened		N*m	kgf*cm	ft.*lbf	in.*lbf
Stud bolt x Turbocharger		20	204	15	
Inlet compressor elbow x Turbocharger		21	214	15	
No. 1 turbo oil pipe x Turbocharger		10	102	7	
Inlet turbo oil pipe sub-assembly x Turbocharger	for union bolt	24	245	18	
	for bolt	10	102	7	
Exhaust manifold RH x Cylinder head RH		36	367	27	
Turbocharger x Exhaust manifold LH		69	704	51	
Exhaust manifold LH x Cylinder head LH		36	367	27	
Exhaust crossover pipe sub-assembly x No. 1 stay	Bolt labeled A	43	438	32	
Exhaust crossover pipe sub-assembly x No. 2 stay	Bolt labeled E	50	510	37	
No. 1 stay x Cylinder head RH	Bolt labeled B	43	438	32	
No. 2 stay x Cylinder head LH	Bolt labeled D	50	510	37	
Exhaust crossover pipe sub-assembly x Exhaust manifold LH and RH	Nut labeled C	47	479	35	
No. 1 turbo water pipe sub-assembly x Turbocharger x Cylinder head		10	102	7	
No. 1 air tube x Turbocharger		21	214	15	
No. 3 air hose x Hose clamp		6.3	64		56
No. 2 air tube x Hose clamp		6.3	64		56
No. 2 air tube x Cylinder block		21	214	15	
No. 1 exhaust manifold heat insulator x Exhaust manifold RH		25	255	18	
No. 2 exhaust manifold heat insulator x Exhaust manifold LH		25	255	18	
No. 1 fuel tube bracket x Vehicle body (w/ Air Conditioning System)		5.4	55		48
Fuel tube bracket x Vehicle body		5.4	55		48
Monolithic converter assembly x Outlet turbine elbow		47	479	35	
Center converter protector stay x Transmission assembly		43	438	32	
Front exhaust pipe assembly x Monolithic converter assembly		43	438	32	

INTERCOOLER

Part Tightened		N*m	kgf*cm	ft.*lbf	in.*lbf
Intercooler protector x Intercooler assembly		8.0	82		71
Intercooler support bracket x Intercooler assembly		21	214	15	
No. 1 cool inlet x Intercooler assembly		21	214	15	
No. 2 cool inlet x Intercooler assembly		21	214	15	
No. 1 air hose x Intercooler assembly		5.0	51	4	
Outlet heater water pipe B x Intercooler assembly		21	214	15	

EXHAUST PIPE (for 5 Door)

Part Tightened		N*m	kgf*cm	ft.*lbf	in.*lbf
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Part Tightened	N*m	kgf*cm	ft.*lbf	in.*lbf
Upper catalytic converter insulator x Monolithic converter assembly	21	214	15	
Monolithic converter assembly x Outlet turbine elbow	47	479	35	
Center converter protector stay x Transmission assembly	43	438	32	
Center converter protector stay x Monolithic converter assembly	43	438	32	
Exhaust pipe support cushion x Front exhaust pipe assembly	5.5	56		49
Exhaust pipe support cushion x Vehicle body	5.5	56		49
Front exhaust pipe assembly x Monolithic converter assembly	43	438	32	
Exhaust pipe support cushion x Tailpipe assembly	5.5	56		49
Tailpipe assembly x Front exhaust pipe assembly	48	489	35	

EXHAUST PIPE (except 5 Door)

Part Tightened	N*m	kgf*cm	ft.*lbf	in.*lbf
Upper catalytic converter insulator x Monolithic converter assembly	21	214	15	
Monolithic converter assembly x Outlet turbine elbow	47	479	35	
Center converter protector stay x Transmission assembly	43	438	32	
Center converter protector stay x Monolithic converter assembly	43	438	32	
Exhaust pipe support cushion x Front exhaust pipe assembly (for Double Cab)	5.5	56		49
Exhaust pipe support cushion x Vehicle body	5.5	56		49
Front exhaust pipe assembly x Monolithic converter assembly	43	438	32	
Exhaust pipe support cushion x Support bracket	5.5	56		49
Exhaust pipe support cushion x Muffler clamp bracket	5.5	56		49
Exhaust pipe support cushion x Center exhaust pipe assembly (except Double Cab)	5.5	56		49
Center exhaust pipe assembly x Front exhaust pipe assembly	48	489	35	
Exhaust pipe support cushion x Tailpipe assembly	5.5	56		49
Tailpipe assembly x Center exhaust pipe assembly	48	489	35	