

SPECIFICATIONS CLUTCH TORQUE SPECIFICATIONS

CLUTCH PEDAL (for LHD)

Part Tightened		N*m	kgf*cm	ft.*lbf	in.*lbf
Clutch pedal stopper bolt x Lock nut		15.7	160	12	
Clutch master cylinder push rod clevis lock nut		11.8	120	9	
Clutch master cylinder to flexible hose tube x Clutch pedal support way	with union nut wrench	14.2	145	10	
	without union nut wrench	15.2	155	11	
Clutch pedal sub-assembly x Clutch pedal support sub-assembly		26	265	19	
Clutch pedal support sub-assembly x Body	for Bolt	19	194	14	
	for Nut	14.2	145	10	
Clutch master cylinder to 2 way tube x Clutch pedal support way	with union nut wrench	14.2	145	10	
	without union nut wrench	15.2	155	11	
Clutch master cylinder assembly x Clutch pedal support way	with union nut wrench	14.2	145	10	
	without union nut wrench	15.2	155	11	
Clutch master cylinder assembly x Clutch pedal support sub-assembly		11.8	120	9	
Clutch pedal support way x Clutch pedal support sub-assembly		4.5	46		40

CLUTCH PEDAL (for RHD)

Part Tightened		N*m	kgf*cm	ft.*lbf
Clutch pedal stopper bolt x Lock nut		15.7	160	12
Clutch switch assembly x Lock nut		15.7	160	12
Clutch master cylinder push rod clevis lock nut		11.8	120	9
Clutch master cylinder assembly x Clutch master cylinder to flexible hose tube	with union nut wrench	14.2	145	10
	without union nut wrench	15.2	155	11
Clutch pedal sub-assembly x Clutch pedal support sub-assembly		26	265	19
Clutch pedal support sub-assembly x Body		19	194	14
Clutch master cylinder assembly x Clutch pedal support sub-assembly		11.8	120	9

CLUTCH RELEASE CYLINDER (for 1GR-FE)

Part Tightened		N*m	kgf*cm	ft.*lbf
No. 1 clutch housing cover x Manual transmission assembly		11.8	120	9
Clutch release cylinder to flexible hose tube x Manual transmission assembly		20	204	15
Clutch release cylinder to flexible hose tube x Clutch release cylinder body	with union nut wrench	14.2	145	10
	without union nut wrench	15.2	155	11
Clutch release cylinder body x Manual transmission assembly		11.8	120	9
Release cylinder bleeder plug x Clutch release cylinder body		10.8	110	8

CLUTCH RELEASE CYLINDER (for 1HZ)

Part Tightened		N*m	kgf*cm	ft.*lbf
Clutch release cylinder to flexible hose tube x Clutch release cylinder body	with union nut wrench	14.2	145	10

Part Tightened		N*m	kgf*cm	ft.*lbf
	without union nut wrench	15.2	155	11
Clutch release cylinder body x Manual transmission assembly		11.7	119	9
Release cylinder bleeder plug x Clutch release cylinder body		10.8	110	8

CLUTCH RELEASE CYLINDER (for 1VD-FTV)

Part Tightened		N*m	kgf*cm	ft.*lbf
Clutch hose x Clutch release cylinder to flexible hose tube	with union nut wrench	14.2	145	10
	without union nut wrench	15.2	155	11
Clutch hose x Clutch release cylinder body	with union nut wrench	20.9	213	15
	without union nut wrench	23	235	17
Clutch release cylinder body x Manual transmission assembly		11.8	120	9
Release cylinder bleeder plug x Clutch release cylinder body		10.8	110	8

CLUTCH ACCUMULATOR (for 1GR-FE LHD, 1HZ LHD)

Part Tightened		N*m	kgf*cm	ft.*lbf
Clutch accumulator assembly x Flexible hose tube	with union nut wrench	14.2	145	10
	without union nut wrench	15.2	155	11
Clutch accumulator assembly x Body		10	102	7

CLUTCH ACCUMULATOR (for 1GR-FE RHD, 1HZ RHD)

Part Tightened		N*m	kgf*cm	ft.*lbf
Master cylinder accumulator assembly x Clutch master cylinder assembly	with SST	33.2	339	24
	without SST	44.1	450	33

CLUTCH ACCUMULATOR (for 1VD-FTV)

Part Tightened		N*m	kgf*cm	ft.*lbf	in.*lbf
Clutch accumulator assembly x Flexible hose tube	with union nut wrench	14.2	145	10	
	without union nut wrench	15.2	155	11	
Clutch accumulator assembly x Body		4.9	50		43

CLUTCH UNIT (for 1GR-FE)

Part Tightened		N*m	kgf*cm	ft.*lbf
Clutch cover assembly x Flywheel sub-assembly		19.1	195	14
Release fork support x Manual transmission assembly		47.1	480	35

CLUTCH UNIT (for 1HZ)

Part Tightened		N*m	kgf*cm	ft.*lbf
Clutch cover assembly x Flywheel sub-assembly		19.1	195	14
Release fork support x Manual transmission assembly		47	479	35
Flywheel sub-assembly x crankshaft		127.4	1299	94

CLUTCH UNIT (for 1VD-FTV)

Part Tightened		N*m	kgf*cm	ft.*lbf
Clutch cover assembly x Flywheel sub-assembly		39.2	400	29
Release fork support x Manual transmission assembly		47.1	480	35