

SPECIFICATIONS WINCH TORQUE SPECIFICATIONS

Rm Title	Part Tightened		N*m	kgf*cm	ft.*lbf	in.*lbf
WINCH UNIT	Front bumper side mounting bracket assembly x Vehicle body	for Nut	60	612	44	
		for Bolt A	120	1224	89	
		for Bolt B	20	204	15	
	Winch motor assembly x Cable		18	184	13	
	Winch motor assembly x Wire		9.3	95		82
	Front bumper cover x Winch control cable		5.0	51		44
	Winch x Member		22	224	16	
	Winch x Winch base	for Bolt A	32	326	24	
		for Bolt B	59	602	44	
	Winch motor x Winch		16	163	12	
	Magnet Switch Winch Cover x Winch Motor Assembly		1.5	15		13
	Winch Motor Assembly x Winch Motor Yoke Sub-assembly		4.9	50		43
	Winch Motor Assembly x Wire Harness		9.3	95		82
	Winch Motor Brush x Winch Motor Brush Holder Assembly		3.4	35		30
	Winch Wire Guide x Winch Brake Case Sub-assembly		10	102	7	
	Winch Motor Commutator End Frame x End Frame		7.6	77		67
RELAY	Winch main relay x Wire		9.3	95		82
	Winch main relay x Vehicle body		12	122	9	