

TRANSMISSION/TRANSAXLE SPECIFICATIONS

id050000302100

Clutch [C66M-R, C66MX-R]

Item		Specifications
Engine type		SKYACTIV-G 2.0
Clutch control		Hydraulic
Clutch pedal	Type	Suspended
	Pedal ratio	4.88
	Full stroke (reference value) (mm {in})	146 {5.75}
Clutch master cylinder inner diameter (mm {in})		15.87 {0.6248}
Clutch release cylinder inner diameter (mm {in})		20.64 {0.8126}
Clutch cover	Spring type	Diaphragm
	Set load (N {kgf, lbf})	6400 {652.6, 1439}
Clutch disc	Outer diameter (mm {in})	230 {9.06}
	Inner diameter (mm {in})	155 {6.10}
Clutch fluid type		European (L.H.D. U.K.) specs.: SAE J1703 or FMVSS116 DOT-3 or DOT-4 Australian specs.: SAE J1703 or FMVSS116 DOT-3

Clutch [D66M-R, D66MX-R]

Item		Specifications
Engine type		SKYACTIV-D 2.2
Clutch control		Hydraulic
Clutch pedal	Type	Suspended
	Pedal ratio	4.88
	Full stroke (reference value) (mm {in})	150.3 {5.917}
Clutch master cylinder inner diameter (mm {in})		15.87 {0.6248}
Clutch release cylinder inner diameter (mm {in})		20.64 {0.8126}
Clutch cover	Spring type	Diaphragm
	Set load (N {kgf, lbf})	10900 {1111.5, 2450.4}
Clutch disc	Outer diameter (mm {in})	250 {9.84}
	Inner diameter (mm {in})	160 {6.30}
Clutch fluid type		European (L.H.D. U.K.) specs.: SAE J1703 or FMVSS116 DOT-3 or DOT-4 Australian specs.: SAE J1703 or FMVSS116 DOT-3

Manual Transaxle [C66M-R, C66MX-R]

Item		Specifications
Engine type		SKYACTIV-G 2.0
Transaxle control		Floor-shift
Operation system		Cable
Shift assist	Forward	Synchromesh
	Reverse	Synchromesh
Gear ratio	1GR	3.700
	2GR	1.947
	3GR	1.300
	4GR	1.029
	5GR	0.837
	6GR	0.680
	Reverse	3.724
Final gear ratio		European (L.H.D.) specs. 2WD, European (U.K.) specs.: 4.388 European (L.H.D.) specs. 4WD, Australian specs.: 4.705
Manual transaxle oil	Grade	API service GL-4
	Viscosity All season	SAE 75W-80
	Capacity (approx. quantity) (L {US qt, Imp qt})	2WD: 1.65 {1.74, 1.45} 4WD: 1.70 {1.80, 1.50}

Manual Transaxle [D66M-R, D66MX-R]

Item			Specifications
Engine type			SKYACTIV-D 2.2
Transaxle control			Floor-shift
Operation system			Cable
Shift assist	Forward		Synchromesh
	Reverse		Synchromesh
Gear ratio	1GR		3.357
	2GR		1.826
	3GR		1.565
	4GR		1.147
	5GR		0.893
	6GR		0.745
	Reverse		4.091
Final gear ratio	1GR/2GR		2WD: 3.120 4WD: 3.291
	Except 1GR/2GR		2WD: 4.105 4WD: 4.388
Manual transaxle oil	Grade		API service GL-4
	Viscosity	All season	SAE 75W-80
	Capacity (approx. quantity)	(L {US qt, Imp qt})	2.40 {2.54, 2.11}

Automatic Transaxle [FW6A-EL, FW6AX-EL]

Item		Specifications	
Engine type		SKYACTIV-G 2.0	SKYACTIV-G 2.5
Gear ratio	1GR	3.552	
	2GR	2.022	
	3GR	1.452	
	4GR	1.000	
	5GR	0.708	
	6GR	0.599	
	Reverse	3.893	
Final gear ratio		4.624	4.325
ATF	Type	ATF FZ	
	Capacity (Approx. quantity) (L {US qt, Imp qt})	7.8 {8.2, 6.9}	
Torque converter stall torque ratio		1.82	1.74
Hydraulic system (Number of drive/driven gear plates)	Low clutch	5/5	
	High clutch	5/5	
	Low and reverse brake	4/4	
	2-6 brake	4/4	
	R-3-5 brake	3/3	
Front planetary gear (Number of teeth)	Front sun gear	38	
	Front pinion gear	29	
	Front internal gear	97	
Rear planetary gear (Number of teeth)	Rear sun gear	40	
	Rear pinion gear	27	
	Rear internal gear	95	
Reduction planetary gear (Number of teeth)	Reduction sun gear	68	
	Reduction pinion gear	21	
	Reduction internal gear	109	
Primary gear (number of teeth)		56	
Secondary gear (number of teeth)		59	
Output gear (number of teeth)		18	19
Ring gear (number of teeth)		79	78

Automatic Transaxle [GW6A-EL, GW6AX-EL]

Item		Specifications
Engine type		SKYACTIV-D 2.2
Gear ratio	1GR	3.487
	2GR	1.992
	3GR	1.449
	4GR	1.000
	5GR	0.707
	6GR	0.600
	Reverse	3.990
Final gear ratio		4.090
ATF	Type	ATF FZ
	Capacity (Approx. quantity) (L {US qt, Imp qt})	8.0 {8.5, 7.0}
Torque converter stall torque ratio		1.88
Hydraulic system (Number of drive/ driven gear plates)	Low clutch	5/5
	High clutch	5/5
	Low and reverse brake	5/5
	2-6 brake	5/5
	R-3-5 brake	4/4
Front planetary gear (Number of teeth)	Front sun gear	39
	Front pinion gear	29
	Front internal gear	97
Rear planetary gear (Number of teeth)	Rear sun gear	41
	Rear pinion gear	27
	Rear internal gear	95
Reduction planetary gear (Number of teeth)	Reduction sun gear	66
	Reduction pinion gear	22
	Reduction internal gear	109
Primary gear (number of teeth)		56
Secondary gear (number of teeth)		59
Output gear (number of teeth)		17
Ring gear (number of teeth)		66