



Technical Service Bulletin

SUBJECT:				No: TSB-21-00-006			
TECHNICAL SPECIFICATIONS 2022 ECLIPSE CROSS				DATE: February 2021			
				MODEL: 2022 Eclipse Cross			
CIRCULATE TO:		<input type="checkbox"/> GENERAL MANAGER		<input checked="" type="checkbox"/> PARTS MANAGER		<input checked="" type="checkbox"/> TECHNICIAN	
<input checked="" type="checkbox"/> SERVICE ADVISOR		<input checked="" type="checkbox"/> SERVICE MANAGER		<input type="checkbox"/> WARRANTY PROCESSOR		<input checked="" type="checkbox"/> SALES MANAGER	

2022 ECLIPSE CROSS		TECHNICAL AND MECHANICAL FEATURES							
Feature Description	ES 1.5T 2WD	ES 1.5T S-AWC	LE 1.5T 2WD	LE 1.5T S-AWC	SE 1.5T 2WD	SE 1.5T S-AWC	SEL 1.5T 2WD	SEL 1.5T S-AWC	
Engine									
Type	1.5L MIVEC DOHC 4-cylinder Direct-Injection Turbocharged	1.5L MIVEC DOHC 4-cylinder Direct-Injection Turbocharged	1.5L MIVEC DOHC 4-cylinder Direct-Injection Turbocharged	1.5L MIVEC DOHC 4-cylinder Direct-Injection Turbocharged	1.5L MIVEC DOHC 4-cylinder Direct-Injection Turbocharged	1.5L MIVEC DOHC 4-cylinder Direct-Injection Turbocharged	1.5L MIVEC DOHC 4-cylinder Direct-Injection Turbocharged	1.5L MIVEC DOHC 4-cylinder Direct-Injection Turbocharged	
Engine Code	4B40 TC	4B40 TC	4B40 TC	4B40 TC	4B40 TC	4B40 TC	4B40 TC	4B40 TC	
Materials	Aluminum block/ aluminum cylinder head	Aluminum block/ aluminum cylinder head	Aluminum block/ aluminum cylinder head	Aluminum block/ aluminum cylinder head	Aluminum block/ aluminum cylinder head	Aluminum block/ aluminum cylinder head	Aluminum block/ aluminum cylinder head	Aluminum block/ aluminum cylinder head	
Bore x Stroke	75.0 mm x 84.8 mm	75.0 mm x 84.8 mm	75.0 mm x 84.8 mm	75.0 mm x 84.8 mm	75.0 mm x 84.8 mm	75.0 mm x 84.8 mm	75.0 mm x 84.8 mm	75.0 mm x 84.8 mm	
Compression Ratio	10.0:1	10.0:1	10.0:1	10.0:1	10.0:1	10.0:1	10.0:1	10.0:1	
Displacement	1.5L / 1,499 cc	1.5L / 1,499 cc	1.5L / 1,499 cc	1.5L / 1,499 cc	1.5L / 1,499 cc	1.5L / 1,499 cc	1.5L / 1,499 cc	1.5L / 1,499 cc	
Horsepower	152 hp @ 5,500 rpm	152 hp @ 5,500 rpm	152 hp @ 5,500 rpm	152 hp @ 5,500 rpm	152 hp @ 5,500 rpm	152 hp @ 5,500 rpm	152 hp @ 5,500 rpm	152 hp @ 5,500 rpm	
Torque	184 lb.-ft. @ 2,000-3,500 rpm	184 lb.-ft. @ 2,000-3,500 rpm	184 lb.-ft. @ 2,000-3,500 rpm	184 lb.-ft. @ 2,000-3,500 rpm	184 lb.-ft. @ 2,000-3,500 rpm	184 lb.-ft. @ 2,000-3,500 rpm	184 lb.-ft. @ 2,000-3,500 rpm	184 lb.-ft. @ 2,000-3,500 rpm	
Redline RPM	6000	6000	6000	6000	6000	6000	6000	6000	
Emissions	TIER 3-BIN 70 (50S) LEV III - ULEV70	TIER 3-BIN 70 (50S) LEV III - ULEV70	TIER 3-BIN 70 (50S) LEV III - ULEV70	TIER 3-BIN 70 (50S) LEV III - ULEV70	TIER 3-BIN 70 (50S) LEV III - ULEV70	TIER 3-BIN 70 (50S) LEV III - ULEV70	TIER 3-BIN 70 (50S) LEV III - ULEV70	TIER 3-BIN 70 (50S) LEV III - ULEV70	
Engine Oil Type	0W-20	0W-20	0W-20	0W-20	0W-20	0W-20	0W-20	0W-20	
Recommended Fuel Type	Regular Unleaded	Regular Unleaded	Regular Unleaded	Regular Unleaded	Regular Unleaded	Regular Unleaded	Regular Unleaded	Regular Unleaded	
Radiator Core size	687.3x400x27	687.3x400x27	687.3x400x27	687.3x400x27	687.3x400x27	687.3x400x27	687.3x400x27	687.3x400x27	
Transmission									
8-speed CVT with Sport Mode	STD	STD	STD	STD	STD	STD	STD	STD	
CVT Automatic Ratios	2.631 - 0.378	2.631 - 0.378	2.631 - 0.378	2.631 - 0.378	2.631 - 0.378	2.631 - 0.378	2.631 - 0.378	2.631 - 0.378	
1st	2.631	2.631	2.631	2.631	2.631	2.631	2.631	2.631	
2nd	1.765	1.765	1.765	1.765	1.765	1.765	1.765	1.765	
3rd	1.313	1.313	1.313	1.313	1.313	1.313	1.313	1.313	
4th	1.046	1.046	1.046	1.046	1.046	1.046	1.046	1.046	
5th	0.843	0.843	0.843	0.843	0.843	0.843	0.843	0.843	
6th	0.664	0.664	0.664	0.664	0.664	0.664	0.664	0.664	
7th	0.518	0.518	0.518	0.518	0.518	0.518	0.518	0.518	
8th	0.404	0.404	0.404	0.404	0.404	0.404	0.404	0.404	
Reverse	1.960	1.960	1.960	1.960	1.960	1.960	1.960	1.960	
Final Drive	6.386	6.386	6.386	6.386	6.386	6.386	6.386	6.386	
Suspension									
Front	Macpherson strut with stabilizer bar	Macpherson strut with stabilizer bar	Macpherson strut with stabilizer bar	Macpherson strut with stabilizer bar	Macpherson strut with stabilizer bar	Macpherson strut with stabilizer bar	Macpherson strut with stabilizer bar	Macpherson strut with stabilizer bar	
Rear	Multi-link with stabilizer bar	Multi-link with stabilizer bar	Multi-link with stabilizer bar	Multi-link with stabilizer bar	Multi-link with stabilizer bar	Multi-link with stabilizer bar	Multi-link with stabilizer bar	Multi-link with stabilizer bar	
Steering									
Type	Electric Power Steering	Electric Power Steering	Electric Power Steering	Electric Power Steering	Electric Power Steering	Electric Power Steering	Electric Power Steering	Electric Power Steering	
Overall Ratio	14.7	14.6	14.7	14.6	14.7	14.6	14.7	14.6	
Turns, lock to lock	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	
Turning circle	35.0 ft	34.8 ft	35.0 ft	34.8 ft	35.0 ft	34.8 ft	35.0 ft	34.8 ft	
Brakes/ Tires/ Wheels									
Front	Ventilated disc, 11.6 in	Ventilated disc, 11.6 in	Ventilated disc, 11.6 in	Ventilated disc, 11.6 in	Ventilated disc, 11.6 in	Ventilated disc, 11.6 in	Ventilated disc, 11.6 in	Ventilated disc, 11.6 in	
Rear	Solid disc, 11.9 in	Solid disc, 11.9 in	Solid disc, 11.9 in	Solid disc, 11.9 in	Solid disc, 11.9 in	Solid disc, 11.9 in	Solid disc, 11.9 in	Solid disc, 11.9 in	
ABS	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD)	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD)	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD)	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD)	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD)	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD)	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD)	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD)	
Wheels	16 x 61/2 J Aluminum alloy P215/70 R16	16 x 61/2 J Aluminum alloy P215/70 R16	18 x 7 J Aluminum alloy P225/55 R18	18 x 7 J Aluminum alloy P225/55 R18	18 x 7 J Aluminum alloy P225/55 R18	18 x 7 J Aluminum alloy P225/55 R18	18 x 7 J Aluminum alloy P225/55 R18	18 x 7 J Aluminum alloy P225/55 R18	
Tires	Falken	Falken	Bridgestone	Bridgestone	Bridgestone	Bridgestone	Bridgestone	Bridgestone	
Temporary Spare Tire	T155/90D16 110M	T155/90D16 110M	T155/90D16 110M	T155/90D16 110M	T155/80D17 100M	T155/80D17 100M	T155/80D17 100M	T155/80D17 100M	
Exterior Dimensions									
Wheelbase (inches)	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	
Overall length (inches)	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	
Overall width (inches)	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	
Overall height (inches)	66.3	66.5	66.3	66.5	66.3	66.5	66.3	66.5	
Track, front (inches)	60.8	60.6	60.8	60.6	60.8	60.6	60.8	60.6	
Track, rear (inches)	60.8	60.6	60.8	60.6	60.8	60.6	60.8	60.6	
Ground clearance (inches)	8.0	8.5	8.0	8.5	8.0	8.0	8.0	8.5	
Interior Dimensions									
Head Room (with Panoramic roof)									
Front (inches)	39.5	39.5	39.5	39.5	39.5 (39.5)	39.5 (39.5)	39.5 (39.5)	39.5 (39.5)	
Rear (inches)	37.3	37.3	37.3	37.3	37.3 (36.7)	37.3 (36.7)	37.3 (36.7)	37.3 (36.7)	
Leg room									
Front (inches)	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	
Rear (inches)	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	
Shoulder room									
Front (inches)	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	
Rear (inches)	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	
Hip room									
Front (inches)	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	
Rear (inches)	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	
SAE volume									
SAE passenger volume (with Panoramic roof) (cu. ft.)	96.7	96.7	96.7	96.7	96.7 (96.0)	96.7 (96.0)	96.7 (96.0)	96.7 (96.0)	
SAE cargo volume - Behind front seats (with Panoramic roof) (cu. ft.)	50.1	50.1	50.1	50.1	50.1(49.7)	50.1(49.7)	50.1(49.7)	50.1(49.7)	
SAE cargo volume - Behind 2nd row seats (with Panoramic roof) (cu. ft.)	23.4	23.4	23.4	23.4	23.4 (23.2)	23.4 (23.2)	23.4 (23.2)	23.4 (23.2)	

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