

2011 Matrix Product Information

Note: All specs are for both front-wheel drive (FWD) and all-wheel drive (AWD) unless otherwise noted.

ENGINE	BASE	S/S-AWD		
Type, Materials	1.8-liter, DOHC 16-valve 4-cylinder with Variable Valve Timing with intelligence (VVT-i), aluminum alloy block and head	2.4-liter, DOHC16-valve 4- cylinder with Variable Valve Timing with intelligence (VVT-i), aluminum alloy block and head		
Valvetrain	4-valve per cylinder with Dual VVT-i	4-valve per cylinder with Dual VVT-i		
Displacement	1,798 cc	2,362 cc		
Bore x Stroke	3.17 x 3.48 in.	3.48 x 3.78 in.		
Compression Ratio	10.0:1	9.8:1		
Horsepower	132 hp @ 6,000 rpm	158 hp @ 6,000 rpm		
Torque	128 lb-ft @ 4,400 rpm	162 lb-ft @ 4,000 rpm		
Ignition System	Toyota Direct Ignition (TDI)	Toyota Direct Ignition (TDI)		
Fuel System	EFI	EFI		
Recommended Fuel	87-octane unleaded	87-octane unleaded		
Emission Certification	ULEV-II	ULEV-II		
EPA Estimated Fuel Economy* (city/highway/combined MPG)	5M: 26/32/29 4ECT: 25/32/28	5M: 21/28/24 5ECT: 21/29/24 AWD 4ECT: 20/26/22		

^{*2011} EPA MPG Estimates. Actual mileage will vary.

DRIVETRAIN	BASE		S/S-AWD		
Layout	Front-wheel drive		control (S model, f	Front-wheel drive, All-wheel drive with active control (S model, four speed automatic transmission only)	
Transmission Type	4-speed automatic ECT-i	5-speed manual	4-speed automatic ECT-i	5-speed automatic ECT-i	5-speed manual
Gear Ratios					
1 st	2.847	3.166	3.938	3.943	3.538
2 nd	1.552	1.904	2.194	2.197	2.045
3 rd	1.000	1.310	1.411	1.413	1.333
4 th	0.700	0.885	1.019	0.975	0.972
5 th		0.725		0.703	0.731
Reverse	2.343	3.250	3.141	3.145	3.583
Differential Ratio	4.237	4.312	2.814	3.391	4.235



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CHASSIS AND BODY		BASE	S/S-AWD	
Suspension - Front		Independent MacPherson Strut	Independent MacPherson Strut	
	- Rear	Torsion Beam	S: Torsion	
			S-AWD: Double wishbone	
	- Stabilizer Bar Diameter	0.94/0.79	S: 0.94/0.79	
	(front/rear) inches		S-AWD: 0.94/0.83	
Steering	- Type	Electric Power Steering (EPS)	Electric Power Steering (EPS)	
	- Overall Ratio	16.2:1	S & S-AWD: 16.3:1	
	- Turns (lock to lock)	3.1 turns	S & S-AWD: 3.1 turns	
	- Turning Circle	36.0 ft.	S & S-AWD 36.0 ft.	
	(curb to curb)			
Brakes	- Front - type/diameter	Ventilated disc/10.7 in.	Ventilated disc/11.6 in.	
	- Rear - type/diameter	Solid disc/10.1 in.	Solid disc/10.9 in. (S)	
			Solid disc/11.0 in. (S-AWD)	
	- Rear Swept Area	167 sq in.	182 sq in. (S)	
			192 sq in. (S-AWD)	
	- Front Swept Area	207 sq in.	237 sq in. (S/S-AWD)	
	- Parking	Center hand brake	Center hand brake	
Wheel Size		6.5 x 16 in.	6.5 x 16 in.	
Wheel Type a	nd Material	Steel (Alloy available)	S/ S AWD: Steel (Alloy available)	
Tire Size		P205/55 R16	P205/55 R16	
			P215/45 R17 (optional on S/S-AWD)	
Tire Type		All-season steel-belted radial	All-season steel-belted radial	
Spare Tire/Wh	neel	Temporary	Temporary	



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EXTERIOR DIMENSIONS	BASE	S/S-AWD
Wheelbase	102.4 in.	102.4 in.
Overall Length	171.9 in.	171.9 in.
Overall Width	69.5 in.	69.5 in.
Overall Height	61.0 in.	S: 61.0 in.
		S-AWD 61.4 in.
Tread Width - Front	59.8 in.	59.8 in.
- Rear	59.9 in.	59.9 in.
Ground Clearance	5.8 in.	5.3 in.
Coefficient of Drag	0.33	S: 0.32
		S-AWD: 0.34

INTERIOR DIMENSIONS	BASE	S/S-AWD
Seating Capacity	5	5
Headroom (Front/Rear)	40.5/39.3 in.	40.5/39.3 in.
		38.9/38.7 in. (with moonroof)
Legroom (Front/Rear)	41.6/36.2 in.	41.6/36.2 in.
Shoulder Room (Front/Rear)	53.3/52.6 in.	53.3/52.6 in.
Hip Room (Front/Rear)	52.3/43.7 in.	52.3/43.7 in.
EPA Passenger Volume	94.2 cu. ft.	94.2 cu. ft.
		91.2 cu. ft. (with moonroof)
EPA Cargo Volume		
- Behind front/rear seats (cubic feet)	49.4/19.8	49.4/19.8

WEIGHTS AND CAPACITIES	BASE		S/S-AWD	
Curb Weight	5M: 4ECT:	2,844 lbs. 2,888 lbs.	S 5M: S 5ECT: S-AWD 4ECT:	2,976 lbs. 3,053 lbs. 3,274 lbs.
Maximum Towing Weight	1,500 lbs.		1,500 lbs.	
Fuel Capacity	13.2 gal.		13.2 gal.	
Engine Oil	5.0 qt.		4.8 qt.	
Cooling System	5.8 qt.		6.0 qt.	

TOYOTA

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STANDARD EXTERIOR FEATURES

BASE

- Multi-reflector halogen headlamps
- Color-keyed front grille
- Color-keyed side rocker panels
- Color-keyed power heated outside mirrors
- Color-keyed outside door handles
- 16-inch steel wheels with full wheel covers and P205/55R16 tires
- Intermittent windshield wipers with mist cycle
- Intermittent rear window wiper
- In-glass AM/FM antenna

S (In addition to or in place of Matrix Base features)

- Integrated fog lamps
- Variable intermittent windshield wipers with mist cycle

S-AWD (In addition to or in place of Matrix S features)

Chrome-tipped exhaust

STANDARD INTERIOR FEATURES

Base

- Air conditioning with air filter
- Fabric-trimmed six-way adjustable drivers seat; four-way adjustable front passenger seat with seatback pocket
- 60/40 split fold-down rear bench seat
- Center console with storage compartment
- Cruise control
- Telescopic sport steering wheel with metallic accents and audio controls
- Optitron instrumentation with speedometer, tachometer with LCD odometer, twin tripmeters, fuel gauge, coolant temperature gauge and outside temperature display
- Heavy-duty electric rear window defogger with timer
- Multi-function in-key remote keyless entry system with lock, unlock, panic and remote illuminated entry features
- Power windows with driver's-side auto down and retained power features
- Power door locks (shift-activated automatic locking feature on automatic transmission models only)
- Front doors with integrated map pockets
- Dual glove compartment
- Center console with storage compartment
- Cargo area tonneau cover with clasp for under-floor stowage
- Anti-slip rear cargo trimmed flooring
- 12V auxiliary power outlet
- Day/night rearview mirror
- Digital clock
- Two front and two rear cup holders

TOYOTA

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• STANDARD INTERIOR FEATURES – CONT.

- Front and rear door storage pockets with sculpted bottle holder
- Front maplamps
- Remote hood and fuel-filler releases

S/S-AWD (In addition to or in place of Matrix Base features)

- Sport fabric-trimmed six-way adjustable drivers seat; four-way adjustable fold flat front passenger seat
- · Metallic interior trim
- 115V AC power outlet
- Chrome-tipped exhaust (standard on AWD only)

STANDARD AUDIO SYSTEM

- AM/FM CD player with MP3/WMA playback capability, four speakers, auxiliary audio jack, CD-text display function, and auto sound leveling (Base grade)
- AM/FM CD player with MP3/WMA playback capability, six speakers, auxiliary audio jack, CD-text display function, and auto sound leveling (S and S-AWD only)

STANDARD SAFETY AND SECURITY

- Star Safety System[™] includes Enhanced Vehicle Stability Control (VSC), Traction Control (TRAC)
 Anti-lock Brake System (ABS), Electronic Brake-force Distribution (EBD) and Brake Assist (BA) and
 Smart Stop Technology (SST)
- Smart Stop Technology
- Driver and front passenger Advanced Airbag System
- Driver and front passenger front seat-mounted side airbags and front and rear side curtain airbags
- Driver and front passenger active headrests
- Three-point seatbelts for all seating positions; Driver-side Emergency Locking Retractor (ELR) and Automatic/Emergency Locking Retractor (ALR/ELR) on all passenger belts
- Adjustable front shoulder anchors, front seatbelt pretensioners with force limiters
- LATCH (Lower Anchors and Tethers for Children) includes lower anchors on outboard rear seats and tether anchors on all rear seats
- Child-protector rear door locks
- Energy absorbing collapsible steering column
- Front and rear energy-absorbing crumple zones
- Side-impact door beams
- Head impact protection structure
- High tensile strength steel body panels
- Tire Pressure Monitor System (TPMS)
- Daytime Running Lights
- Engine Immobilizer

TOYOTA

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STANDARD MECHANICAL FEATURES

- Independent double wishbone rear suspension with stabilizer bar (S-AWD only)
- Active torque control (S-AWD only)
- Electronic Power Steering (EPS); power-assisted rack-and-pinion

FACTORY OPTIONS

BASE

- Matrix Sport Package: includes front and rear underbody spoilers, integrated fog lamps and unique S badge

S/S-AWD

- S Sport Package: includes 17-inch five-spoke alloy wheels with P215/45R17 tires, front and rear underbody spoilers, color-keyed rear spoiler, and unique S badge
- Premium Package: includes power tilt/slide moonroof with sliding sunshade and AM/FM CD player with MP3/WMA playback capability, six speakers, XM[®] Radio (includes 90 day trial subscription) auxiliary audio jack, USB port with iPod connectivity, CD text display function, auto sound leveling, hands-free phone capability and music streaming via Bluetooth wireless technology

AVAILABLE EXTERIOR COLORS

- Radiant Red
- Spruce Mica (new)
- Nautical Blue Metallic
- Classic Silver Metallic
- Magnetic Gray Metallic
- Black Sand Pearl
- Super White

BASIC LIMITED WARRANTY COVERAGE

- 3-year/36,000-mile Comprehensive
- 5-year/60,000-mile Powertrain
- 5-year/unlimited-mileage Corrosion Perforation