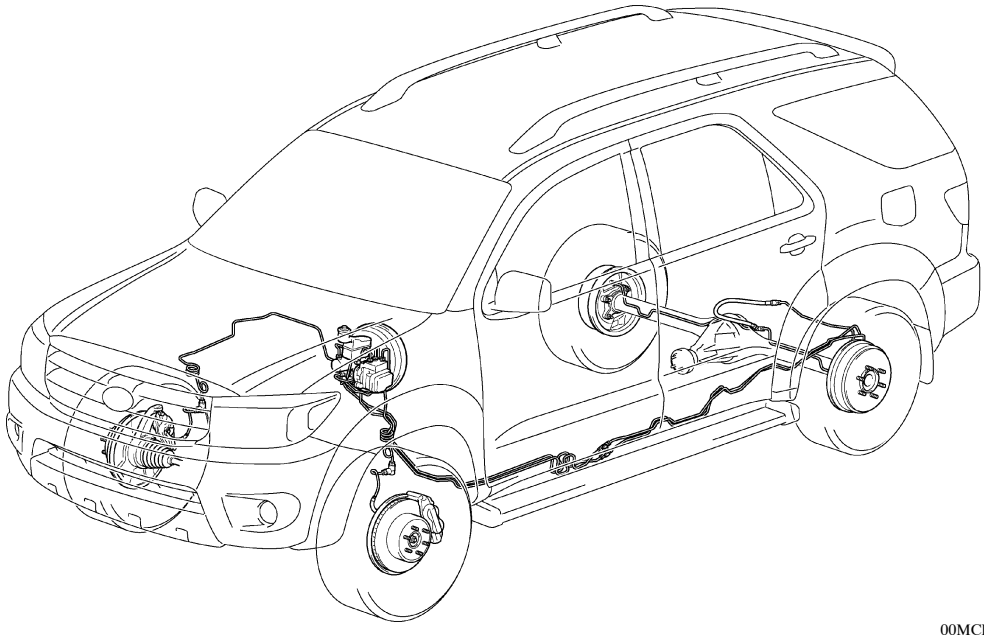
BRAKE

■ DESCRIPTION

- A ventilated disc brake is used for the front brake.
- A leading-trailing drum brake is used for the rear brake.
- Brake control system (ABS) and brake control system (ABS, EBD, brake assist, TRC, VSC) are provided on some models.
- A VSC OFF switch is provided on models with the brake control system (ABS, EBD, brake assist, TRC, VSC).
- A brake control valve BPV is used on models with the brake control system (ABS, EBD, brake assist, TRC, VSC).

For details of specifications and setting for brake system and brake control system, see next page.



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Setting and Specifications for Thailand

●: Standard OP: Option -: None

Destination		Thailand			
Engine Type		2TR-FE	1KD-FTV		
Transmission Type		A343E	R151F	A340E	A340F
Brake Booster	9 in.	-	●	-	-
	10 in.	●	-	●	●
Front Brake	15 in.	●	●	-	-
	16 in.	-	-	●	●
Rear Brake	295 mm (11.6 in.)	●	●	●	●
Brake Control Valve	LSP & BV	●	●	-	-
	BPV	-	-	●	●
Brake Control System	ABS	●	●	-	-
	ABS, EBD, Brake Assist, TRC, VSC	-	-	●	●

▶ Specifications ◀

Destination			Thailand
Master Cylinder	Type		Tandem
	Diameter	mm (in.)	20.64 (0.81), 22.22 (0.87)*1
Brake Booster	Type		Single
	Size	in.	9*2, 10*3
Front Brake	Pad Area	cm^2 ($in.^2$)	50.0 (7.75), 54.0 (8.37)*1
	Wheel Cylinder Diameter	mm (in.)	42.85 (1.69) × 2, 45.40 (1.78) × 2*1
	Rotor Size (Outer Diameter × Thickness)	mm (in.)	297 × 25 (11.7 × 0.98), 319 × 28 (12.6 × 1.1)*1
Rear Brake	Lining Area	cm^2 ($in.^2$)	140.9 (21.8) × 2
	Wheel Cylinder Diameter	mm (in.)	22.22 (0.87)
	Drum Inner Diameter	mm (in.)	295 (11.6)
Parking Brake	Type		Drum
	Drum Inner Diameter	mm (in.)	295 (11.6)
Brake Actuator Manufacturer			ADVICS

*1: Models with brake control system (ABS, EBD, brake assist, TRC, VSC)
*2: Models with 1KD-FTV engine and manual transmission
*3: Models with 2TR-FE engine or brake control system (ABS, EBD, brake assist, TRC, VSC)

Setting and Specifications for Indonesia

●: Standard OP: Option -: None

Destination		Indonesia		
Engine Type		2TR-FE		2KD-FTV High Version
Transmission Type		A343E	A343F	R151
Brake Booster	9 in.	-	-	●
	10 in.	●	●	-
Front Brake	15 in.	●	●	●
	16 in.	-	-	-
Rear Brake	295 mm (11.6 in.)	●	●	●
Brake Control Valve	LSP & BV	●	●	●
	BPV	-	-	-
Brake Control System	ABS	●	●	●
	ABS, EBD, Brake Assist, TRC, VSC	-	-	-

▶ Specifications ◀

Destination			Indonesia
Master Cylinder	Type		Tandem
	Diameter	mm (in.)	20.64 (0.81)
Brake Booster	Type		Single
	Size	in.	9*1, 10*2
Front Brake	Pad Area	cm^2 ($in.^2$)	50.0 (7.75)
	Wheel Cylinder Diameter	mm (in.)	42.85 (1.69) × 2
	Rotor Size (Outer Diameter × Thickness)	mm (in.)	297 × 25 (11.7 × 0.98)
Rear Brake	Lining Area	cm^2 ($in.^2$)	140.9 (21.8) × 2
	Wheel Cylinder Diameter	mm (in.)	22.22 (0.87)
	Drum Inner Diameter	mm (in.)	295 (11.6)
Parking Brake	Type		Drum
	Drum Inner Diameter	mm (in.)	295 (11.6)
Brake Actuator Manufacturer			ADVICS

*1: Models with 2KD-FTV High Version engine

*2: Models with 2TR-FE engine

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Setting and Specifications for Philippines

●: Standard OP: Option -: None

Destination		Philippines			
Engine Type		2TR-FE	1KD-FTV	2KD-FTV High Version	
Transmission Type		A343E	A340F	R151	A340E
Brake Booster	9 in.	-	●	●	●
	10 in.	●	-	-	-
Front Brake	15 in.	●	●	●	●
	16 in.	-	-	-	-
Rear Brake	295 mm (11.6 in.)	●	●	●	●
Brake Control Valve	LSP & BV	●	●	●	●
	BPV	-	-	-	-
Brake Control System	ABS	●	●	●	●
	ABS, EBD, Brake Assist, TRC, VSC	-	-	-	-

▶ Specifications ◀

Destination			Philippines
Master Cylinder	Type		Tandem
	Diameter	mm (in.)	20.64 (0.81)
Brake Booster	Type		Single
	Size	in.	9*1, 10*2
Front Brake	Pad Area	cm^2 ($in.^2$)	50.0 (7.75)
	Wheel Cylinder Diameter	mm (in.)	42.85 (1.69) × 2
	Rotor Size (Outer Diameter × Thickness)	mm (in.)	297 × 25 (11.7 × 0.98)
Rear Brake	Lining Area	cm^2 ($in.^2$)	140.9 (21.8) × 2
	Wheel Cylinder Diameter	mm (in.)	22.22 (0.87)
	Drum Inner Diameter	mm (in.)	295 (11.6)
Parking Brake	Type		Drum
	Drum Inner Diameter	mm (in.)	295 (11.6)
Brake Actuator Manufacturer			ADVICS

*1: Models with 1KD-FTV or 2KD-FTV engines

*2: Models with 2TR-FE engine

Setting and Specifications for Central and South America

●: Standard OP: Option -: None

Destination		Central and South America		
Engine Type		2TR-FE	1GR-FE	1KD-FTV
Transmission Type		R150, A343E	A750F	R151, R151F A340F
Brake Booster	9 in.	-	-	-
	10 in.	●	●	●
Front Brake	15 in.	-	-	-
	16 in.	●	●	●
Rear Brake	295 mm (11.6 in.)	●	●	●
Brake Control Valve	LSP & BV	●	●	●
	BPV	-	-	-
Brake Control System	ABS	-	●	●*
	ABS, EBD, Brake Assist, TRC, VSC	-	-	-

*: Except models with R151 manual transmission

▶ Specifications ◀

Destination			Central and South America
Master Cylinder	Type		Tandem
	Diameter	mm (in.)	20.64 (0.81)
Brake Booster	Type		Single
	Size	in.	10
Front Brake	Pad Area	cm^2 ($in.^2$)	54.0 (8.37)
	Wheel Cylinder Diameter	mm (in.)	45.40 (1.78) × 2
	Rotor Size (Outer Diameter × Thickness)	mm (in.)	319 × 28 (12.6 × 1.1)
Rear Brake	Lining Area	cm^2 ($in.^2$)	140.9 (21.8) × 2
	Wheel Cylinder Diameter	mm (in.)	22.22 (0.87)
	Drum Inner Diameter	mm (in.)	295 (11.6)
Parking Brake	Type		Drum
	Drum Inner Diameter	mm (in.)	295 (11.6)
Brake Actuator Manufacturer			ADVICS

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Setting and Specifications for G.C.C. Countries

●: Standard OP: Option -: None

Destination		G.C.C. Countries	
Engine Type		2TR-FE	1GR-FE
Transmission Type		R150, R150F, A343E, A343F	R150F, A750F
Brake Booster	9 in.	-	-
	10 in.	●	●
Front Brake	15 in.	-	-
	16 in.	●	●
Rear Brake	295 mm (11.6 in.)	●	●
Brake Control Valve	LSP & BV	●	●
	BPV	-	-
Brake Control System	ABS	OP	●
	ABS, EBD, Brake Assist, TRC, VSC	-	-

▶ Specifications ◀

Destination			G.C.C. Countries
Master Cylinder	Type		Tandem
	Diameter	mm (in.)	20.64 (0.81)
Brake Booster	Type		Single
	Size	in.	10
Front Brake	Pad Area	cm^2 ($in.^2$)	54.0 (8.37)
	Wheel Cylinder Diameter	mm (in.)	45.40 (1.78) × 2
	Rotor Size (Outer Diameter × Thickness)	mm (in.)	319 × 28 (12.6 × 1.1)
Rear Brake	Lining Area	cm^2 ($in.^2$)	140.9 (21.8) × 2
	Wheel Cylinder Diameter	mm (in.)	22.22 (0.87)
	Drum Inner Diameter	mm (in.)	295 (11.6)
Parking Brake	Type		Drum
	Drum Inner Diameter	mm (in.)	295 (11.6)
Brake Actuator Manufacturer			ADVICS

Setting and Specifications for South Africa

●: Standard OP: Option -: None

Destination		South Africa	
Engine Type		2TR-FE	1GR-FE
Transmission Type		R150F	A750E, A750F
Brake Booster	9 in.	-	-
	10 in.	●	●
Front Brake	15 in.	-	-
	16 in.	●	●
Rear Brake	295 mm (11.6 in.)	●	●
Brake Control Valve	LSP & BV	●	●
	BPV	-	-
Brake Control System	ABS	OP	●
	ABS, EBD, Brake Assist, TRC, VSC	-	-

Destination		South Africa			
Engine Type		5L-E	1KD-FTV		
Transmission Type		G58F	R151	R151F	A340E
Brake Booster	9 in.	-	-	-	-
	10 in.	●	●	●	●
Front Brake	15 in.	-	-	-	-
	16 in.	●	●	●	●
Rear Brake	295 mm (11.6 in.)	●	●	●	●
Brake Control Valve	LSP & BV	●	●	●	-
	BPV	-	-	OP*	●
Brake Control System	ABS	OP	●	●	-
	ABS, EBD, Brake Assist, TRC, VSC	-	OP	OP*	●

*: RHD models

(Continued)

CH

▶ Specifications ◀

Destination			South Africa
Master Cylinder	Type		Tandem
	Diameter	mm (in.)	20.64 (0.81), 22.22 (0.87)*
Brake Booster	Type		Single
	Size	in.	10
Front Brake	Pad Area	cm^2 ($in.^2$)	54.0 (8.37)
	Wheel Cylinder Diameter	mm (in.)	45.40 (1.78) × 2
	Rotor Size (Outer Diameter × Thickness)	mm (in.)	319 × 28 (12.6 × 1.1)
Rear Brake	Lining Area	cm^2 ($in.^2$)	140.9 (21.8) × 2
	Wheel Cylinder Diameter	mm (in.)	22.22 (0.87)
	Drum Inner Diameter	mm (in.)	295 (11.6)
Parking Brake	Type		Drum
	Drum Inner Diameter	mm (in.)	295 (11.6)
Brake Actuator Manufacturer			ADVICS

*: Models with brake control system (ABS, EBD, brake assist, TRC, VSC)

Setting and Specifications for Malaysia

●: Standard OP: Option -: None

Destination		Malaysia	
Engine Type		2TR-FE	2KD-FTV High Version
Transmission Type		A343F	A340F
Brake Booster	9 in.	-	●
	10 in.	●	-
Front Brake	15 in.	●	●
	16 in.	-	-
Rear Brake	295 mm (11.6 in.)	●	●
Brake Control Valve	LSP & BV	●	●
	BPV	-	-
Brake Control System	ABS	●	●
	ABS, EBD, Brake Assist, TRC, VSC	-	-

▶ Specifications ◀

Destination			Malaysia
Master Cylinder	Type		Tandem
	Diameter	mm (in.)	20.64 (0.81)
Brake Booster	Type		Single
	Size	in.	9*1, 10*2
Front Brake	Pad Area	cm^2 ($in.^2$)	50.0 (7.75)
	Wheel Cylinder Diameter	mm (in.)	42.85 (1.69) × 2
	Rotor Size (Outer Diameter × Thickness)	mm (in.)	297 × 25 (11.7 × 0.98)
Rear Brake	Lining Area	cm^2 ($in.^2$)	140.9 (21.8) × 2
	Wheel Cylinder Diameter	mm (in.)	22.22 (0.87)
	Drum Inner Diameter	mm (in.)	295 (11.6)
Parking Brake	Type		Drum
	Drum Inner Diameter	mm (in.)	295 (11.6)
Brake Actuator Manufacturer			ADVICS

*1: Models with 2KD-FTV High Version engine

*2: Models with 2TR-FE engine

Setting and Specifications for Vietnam

●: Standard OP: Option -: None

Destination		Vietnam	
Engine Type		2TR-FE	2KD-FTV High Version
Transmission Type		A343F	R151
Brake Booster	9 in.	-	●
	10 in.	●	-
Front Brake	15 in.	-	-
	16 in.	●	●
Rear Brake	295 mm (11.6 in.)	●	●
Brake Control Valve	LSP & BV	●	●
	BPV	-	-
Brake Control System	ABS	●	●
	ABS, EBD, Brake Assist, TRC, VSC	-	-

▶ Specifications ◀

Destination			Vietnam
Master Cylinder	Type		Tandem
	Diameter	mm (in.)	20.64 (0.81)
Brake Booster	Type		Single
	Size	in.	9*1, 10*2
Front Brake	Pad Area	cm^2 ($in.^2$)	54.0 (8.37)
	Wheel Cylinder Diameter	mm (in.)	45.40 (1.78) × 2
	Rotor Size (Outer Diameter × Thickness)	mm (in.)	319 × 28 (12.6 × 1.1)
Rear Brake	Lining Area	cm^2 ($in.^2$)	140.9 (21.8) × 2
	Wheel Cylinder Diameter	mm (in.)	22.22 (0.87)
	Drum Inner Diameter	mm (in.)	295 (11.6)
Parking Brake	Type		Drum
	Drum Inner Diameter	mm (in.)	295 (11.6)
Brake Actuator Manufacturer			ADVICS

*1: Models with 2KD-FTV High Version engine

*2: Models with 2TR-FE engine

Setting and Specifications for ANCOM

●: Standard OP: Option -: None

Destination		ANCOM
Engine Type		1GR-FE
Transmission Type		R151F, A750E, A750F
Brake Booster	9 in.	-
	10 in.	●
Front Brake	15 in.	-
	16 in.	●
Rear Brake	295 mm (11.6 in.)	●
Brake Control Valve	LSP & BV	●
	BPV	-
Brake Control System	ABS	●
	ABS, EBD, Brake Assist, TRC, VSC	-

▶ Specifications ◀

Destination			ANCOM
Master Cylinder	Type		Tandem
	Diameter	mm (in.)	20.64 (0.81)
Brake Booster	Type		Single
	Size	in.	10
Front Brake	Pad Area	cm^2 ($in.^2$)	54.0 (8.37)
	Wheel Cylinder Diameter	mm (in.)	45.40 (1.78) × 2
	Rotor Size (Outer Diameter × Thickness)	mm (in.)	319 × 28 (12.6 × 1.1)
Rear Brake	Lining Area	cm^2 ($in.^2$)	140.9 (21.8) × 2
	Wheel Cylinder Diameter	mm (in.)	22.22 (0.87)
	Drum Inner Diameter	mm (in.)	295 (11.6)
Parking Brake	Type		Drum
	Drum Inner Diameter	mm (in.)	295 (11.6)
Brake Actuator Manufacturer			ADVICS

CH

Setting and Specifications for General Countries

●: Standard OP: Option -: None

Destination		General Countries	
Engine Type		1GR-FE	1KD-FTV
Transmission Type		R150F, A750E, A750F	R151F, A340F
Brake Booster	9 in.	-	●
	10 in.	●	-
Front Brake	15 in.	-	-
	16 in.	●	●
Rear Brake	295 mm (11.6 in.)	●	●
Brake Control Valve	LSP & BV	●	●
	BPV	-	-
Brake Control System	ABS	●	●
	ABS, EBD, Brake Assist, TRC, VSC	-	-

▶ Specifications ◀

Destination			General Countries
Master Cylinder	Type		Tandem
	Diameter	mm (in.)	20.64 (0.81)
Brake Booster	Type		Single
	Size	in.	9*1, 10*2
Front Brake	Pad Area	cm^2 ($in.^2$)	54.0 (8.37)
	Wheel Cylinder Diameter	mm (in.)	45.40 (1.78) × 2
	Rotor Size (Outer Diameter × Thickness)	mm (in.)	319 × 28 (12.6 × 1.1)
Rear Brake	Lining Area	cm^2 ($in.^2$)	140.9 (21.8) × 2
	Wheel Cylinder Diameter	mm (in.)	22.22 (0.87)
	Drum Inner Diameter	mm (in.)	295 (11.6)
Parking Brake	Type		Drum
	Drum Inner Diameter	mm (in.)	295 (11.6)
Brake Actuator Manufacturer			ADVICS

*1: Models with 1KD-FTV engine
*2: Models with 1GR-FE engine