

IRONMAN 4X4 BRAKE CATALOGUE





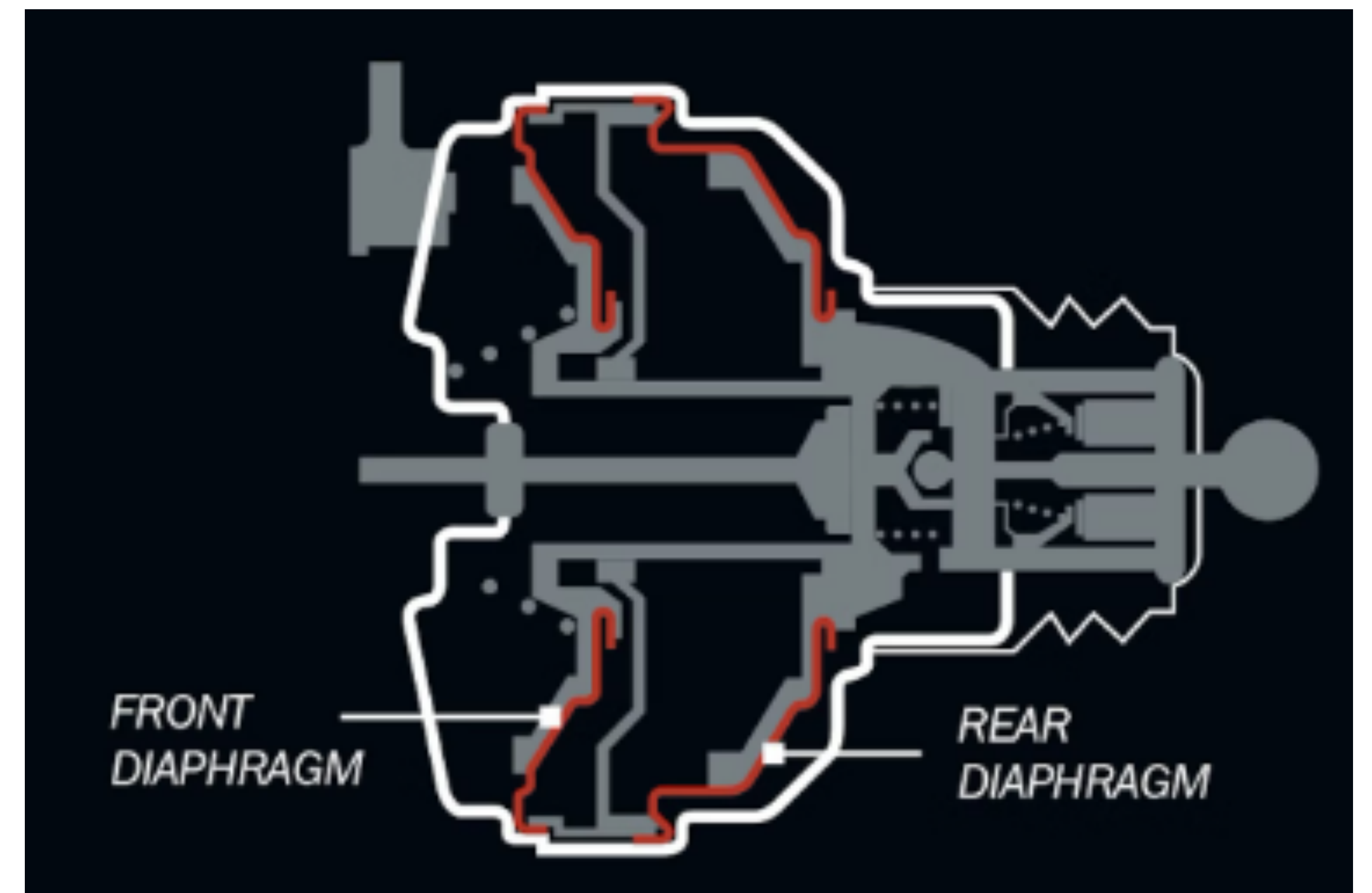
DUAL DIAPHRAGM BRAKE BOOSTER

BIMDDB01 (VDJ) 8/2012 - On With ABS

How does it work?

The Dual Diaphragm Brake Booster Upgrade uses dual-diaphragm technology and is Australian Design Rules compliant. The upgrade has been designed to be a direct 'bolt-in' replacement for original equipment (OE), single-diaphragm brake boosters.

LC70 vehicles fitted with added mass and larger-diameter tyres require higher brake pedal pressure for effective braking. Brake pedal pressure required and braking effectiveness (including improved stopping distances) can be achieved by fitting a dual-diaphragm booster.



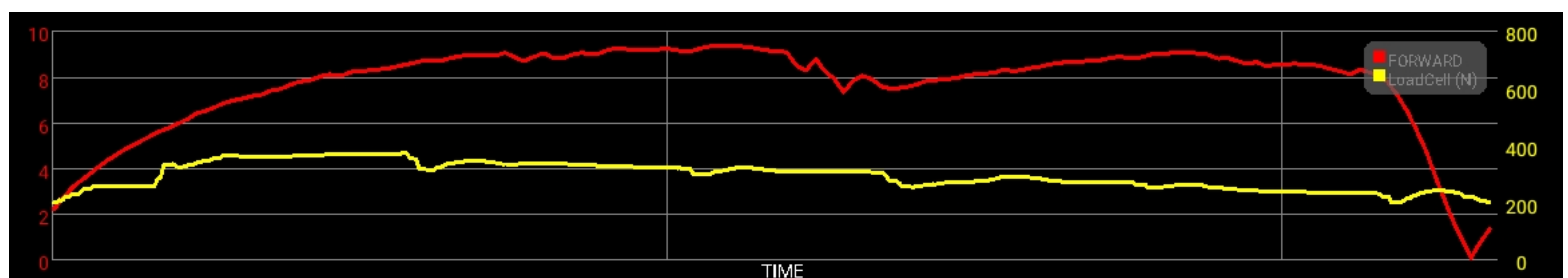
The level of assistance can be increased (effort required to press the pedal reduced), by either:

- Increasing the area of rubber diaphragm
- Increasing the pressure differential (vacuum pressure)

The LC70 Brake Booster Upgrade uses dual (tandem) rubber diaphragms to effectively double the diaphragm surface area without significantly increasing the size of the canister.

Increases braking efficiency by up to 30%

This allows the LC70 Brake Booster Upgrade to be a 'bolt-in' replacement for OE brake boosters.



TEST RESULTS

SERIAL NUMBER **51617**

AVG PEDAL EFFORT

291.48 N

PEAK PEDAL EFFORT

370.63 N

TEST DELAY

8070 MS

AVG DECELERATION

7.54 M/S²

PEAK DECELERATION

9.15 M/S²

SIDESHIFT

0.02 M RIGHT

MFDD

8.57 M/S²

SPEED

64.46 KM/H

DURATION

2.37 S

STOPPING DISTANCE

21.25 M

LATITUDE

-38.006

LONGITUDE

145.184

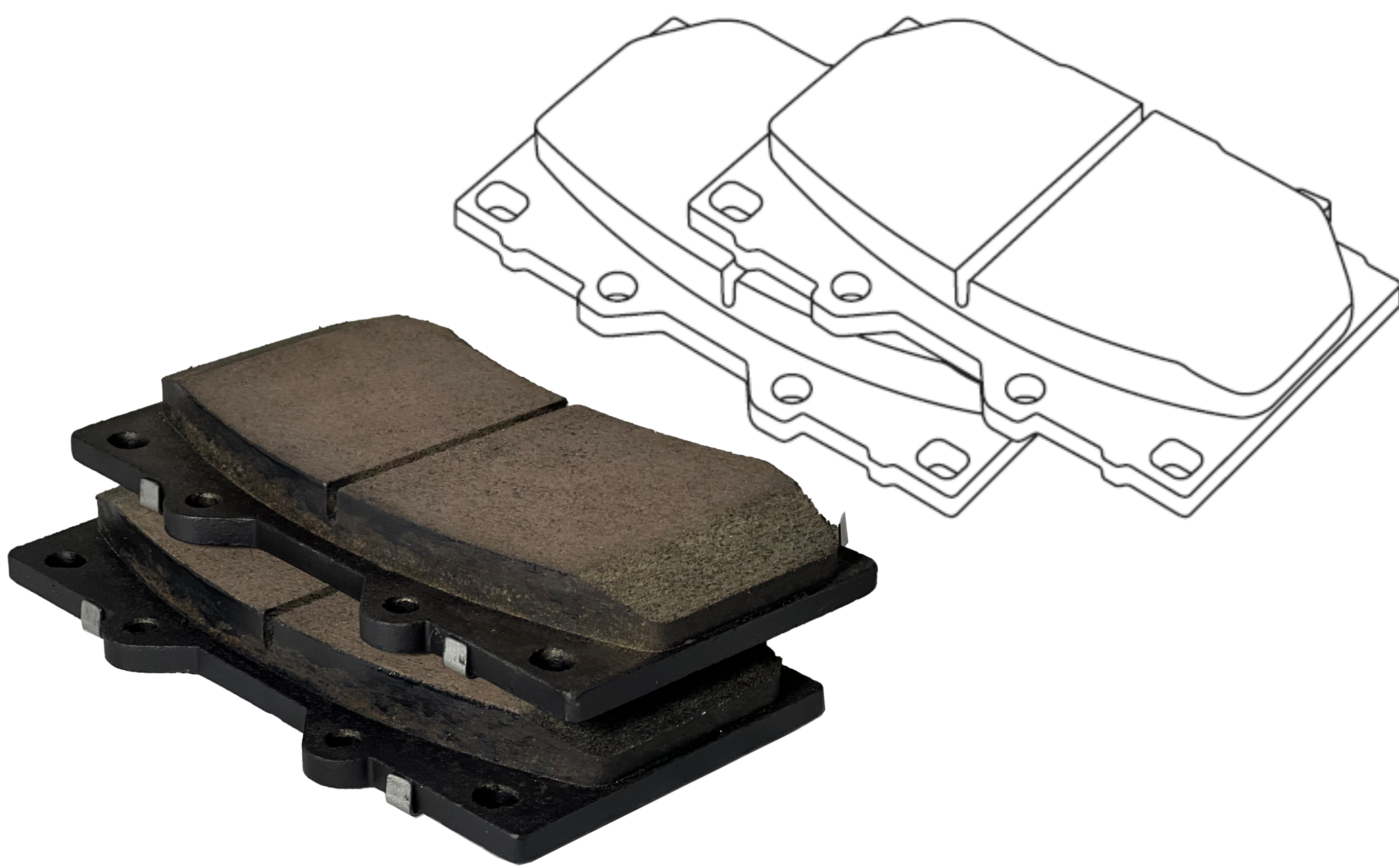


SLOTTED BRAKE ROTORS

- Bi-Directional Slot Pattern to expel gasses, dirt, and water more efficiently.
- High Carbon Metallurgy
- OEM Compatible.



KEVLAR CERAMIC BRAKE PADS



- Kevlar Ceramic Formula
- ECER90 Approved
- Thermal Scorching Curing Process
- Rubber Coated Anti-Squeal Shims
- Chamfered and Slotted
- Designed as an upgrade over stock brakes.



SAEJ 2522 PERFORMANCE FRICTION TEST

SAEJ 2522 PERFORMANCE TEST

		OE		IRONMAN 4x4	
		Avg.	Min.	Avg.	Min.
Characteristics Values μ	μ_{OP6}	0.38		0.42	
Char. Value	μ_{v120}	0.35		0.42	
Speed/Pressure	μ_{vmax}	0.37		0.41	
Char. Value	μ_{OP6}	0.38		0.40	
40°C brake appl.	μ_{t40}	0.36		0.35	
Motorway Appl. 2	μ_{MW2}	0.37		0.36	
Char. Value	μ_{OP18}	0.38		0.39	
Fade 1	μ_{F1}		0.25		0.26
Char. Value	μ_{OP18}	0.38		0.39	
Temperature	μ_{T500}		0.35		0.38
Char. Value	μ_{OP18}	0.40		0.42	
Fade 2	μ_{F2}		0.38		0.42
Char. Value	μ_{OP18}	0.38		0.39	
	μ_{nom}	0.38		0.40	
	μ_{min}		0.25		0.26

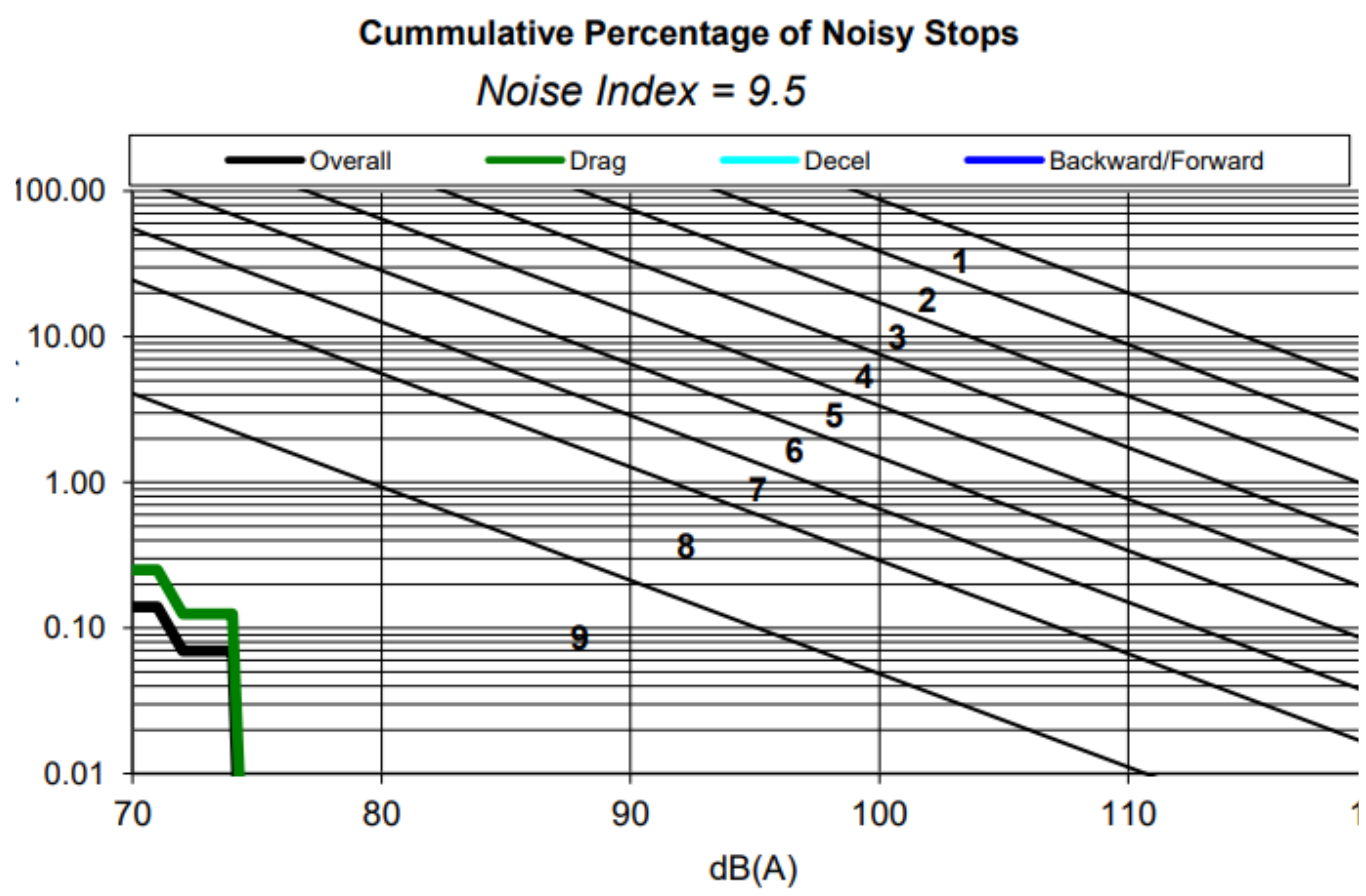
SAEJ 2707 WEAR TEST

Wear		OE		IRONMAN 4x4	
		mm	g	mm	g
Pad	Inner	1.17	16.8	1.38	20.2
	Outer	1.14	15.9	1.40	20.5
Disc		0.02	13.1	0.01	4.1

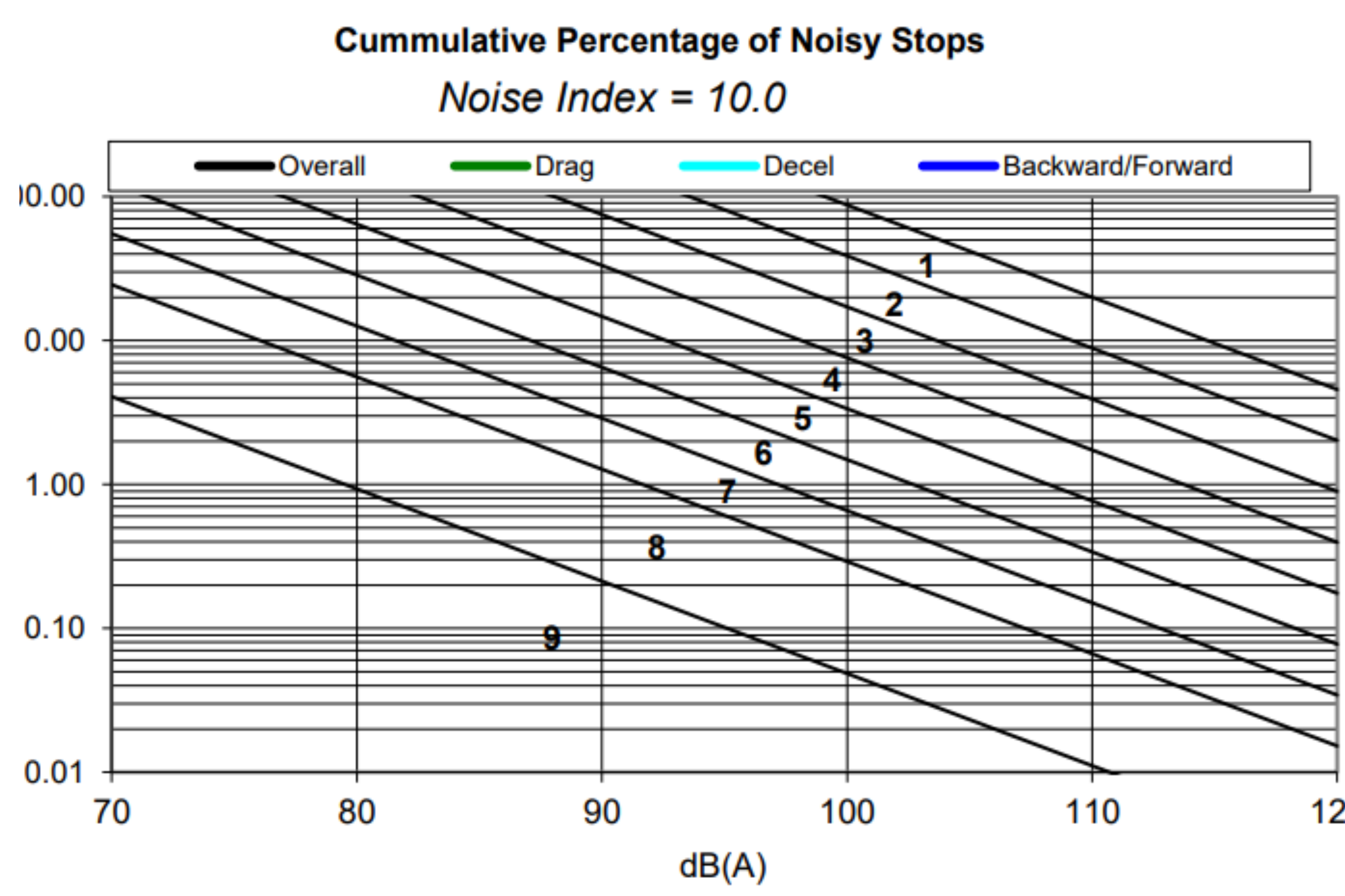


SAEJ 2521 NOISE TEST

OE



IRONMAN 4X4





DRUM TO DISC BRAKE CONVERSION

Landcruiser 70 Series - BIMDBC011

Key Features & Benefits

Easy inspection. The car owner does not have to remove the wheels to look at the disc brake system.

- Increased stopping power over drum brakes. Smaller pad area, but more clamping efficiently. Brake pedal feel and modulation are improved.
- The disc brakes are completely self-adjusting and have less moving parts.
- It takes longer for the disc brake to achieve brake fade, because they have a wider surface area that is directly exposed to air.
- Disc brakes drain water quickly whereas once water enters a drum brake, it stays there longer hindering braking efficiency.
- Brake mounting is very easy. Only two bolts are needed to be removed to replace brake pads.
- Electric Park Brake Calipers with high clamping force



Toyota OE/Before



Disc Brake Conversion/After



IMAGES FOR REFERENCE ONLY AND MAY DIFFER FROM ACTUAL PRODUCT

KEVLAR CERAMIC BRAKE PAD & SLOTTED ROTOR CATALOGUE

SUZUKI JIMNY - 07/2018+



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0442	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR3071	Slotted Geomet Coated Rotor
REAR	Shoes	BIMS1764	Brake Shoes
	Drum	BIMD7800	Brake Drum

NISSAN PATROL Y61

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0023	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR8120	Slotted Geomet Coated Rotor
REAR	Pads	BIMBP1959	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR9130	Slotted Geomet Coated Rotor



NISSAN PATROL Y62 - 2010+



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP8560	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2341	Slotted Geomet Coated Rotor
REAR	Pads	BIMBP8570	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2342	Slotted Geomet Coated Rotor



CHEVROLET SILVERADO 1500 - 2019+

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP2173	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR4522	Slotted Geomet Coated Rotor
REAR	Pads	BIMBP2174	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR4114	Slotted Geomet Coated Rotor



MAZDA BT-50 2011 - 2020



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP9870	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR6632	Slotted Geomet Coated Rotor
REAR	Shoes	BIMS1769	Brake Shoes
	Drum	BIMD6643	Brake Drum



FORD RANGER PX1, PX2, PX3 - 2011 - 2022

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
Front	Pads	BIMBP9870	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR6632	Slotted Geomet Coated Rotor
Rear	Shoes	BIMS1769	Brake Shoes
	Drum	BIMD6643	Brake Drum





FORD F150 - 2020+



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP2382	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR1127	Slotted Geomet Coated Rotor
REAR	Pads	BIMBP2383	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2032	Slotted Geomet Coated Rotor

(With 350mm rear rotor)



FORD F150 - 2015 - 2020

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
Front	Pads	BIMBP2087	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR1125	Slotted Geomet Coated Rotor
Rear	Pads	BIMBP1790	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2030	Slotted Geomet Coated Rotor

(with electric H/Brake)



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
Front	Pads	BIMBP2087	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR1125	Slotted Geomet Coated Rotor
Rear	Pads	BIMBP1602	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2026	Slotted Geomet Coated Rotor

(with manual H/Brake)



FORD F250 - 2015 - 2020



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
Front	Pads	BIMBP1680	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR1102	Slotted Geomet Coated Rotor
Rear	Pads	BIMBP1691	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2028	Slotted Geomet Coated Rotor



FORD F250 - 2021+



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
Front	Pads	BIMBP1680	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR1102	Slotted Geomet Coated Rotor
Rear	Pads	BIMBP1691	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2028	Slotted Geomet Coated Rotor



DODGE RAM 1500 - 2019+

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP2179	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR0080	Slotted Geomet Coated Rotor
REAR	Pads	BIMBP2169	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR9968	Slotted Geomet Coated Rotor



DODGE RAM 2500 - 2019+



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP2223	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2182	Slotted Geomet Coated Rotor
REAR	Pads	BIMBP2225	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2184	Slotted Geomet Coated Rotor



TOYOTA FJ CRUISER - 2007+



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP1125	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR8350	Slotted Geomet Coated Rotor
REAR	Pads	BIMBP0428	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR8170	Slotted Geomet Coated Rotor



TOYOTA LAND CRUISER 300 SERIES



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0203	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2618	Slotted Geomet Coated Rotor (354mm)
REAR	Pads	BIMBP0204	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2619	Slotted Geomet Coated Rotor (354mm)



TOYOTA LAND CRUISER 200 SERIES

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
Front	Pads	BIMBP0067	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR0990	Slotted Geomet Coated Rotor (340mm)
Rear	Pads	BIMBP0608	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR1000	Slotted Geomet Coated Rotor (340mm)

(340mm rotor)

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
Front	Pads	BIMBP0067	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2724	Slotted Geomet Coated Rotor (354mm)
Rear	Pads	BIMBP0608	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR1000	Slotted Geomet Coated Rotor (354mm)

(354mm rotor)





TOYOTA LAND CRUISER 100 SERIES



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0473	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR7280	Slotted Geomet Coated Rotor (322mm)
REAR	Pads	BIMBP0428	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR8320	Slotted Geomet Coated Rotor (335mm)

(without IFS)

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0473	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR1760	Slotted Geomet Coated Rotor (312mm)
REAR	Pads	BIMBP0474	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR9380	Slotted Geomet Coated Rotor (330mm)

(with IFS)



TOYOTA LAND CRUISER 70 SERIES - 1999+



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0473	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR7280	Slotted Geomet Coated Rotor
REAR	Pads	BIMBP0428	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2040	Slotted Geomet Coated Rotor



TOYOTA LAND CRUISER 80 SERIES 1990 - 1998

(1990-1992)

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0386	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR7270	Slotted Geomet Coated Rotor (286mm)
REAR	Pads	BIMBP0428	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2130	Slotted Geomet Coated Rotor (312mm)

(1992-1998)

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0386	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR6090	Slotted Geomet Coated Rotor (311mm)
REAR	Pads	BIMBP0428	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR9120	Slotted Geomet Coated Rotor (336mm)





TOYOTA HILUX GEN7 2005 - 2015



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP1125	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR8350	Slotted Geomet Coated Rotor (319mm) with VSC
REAR	Shoes	BIMS1012	Brake Shoes
	Drum	BIMD6488	Brake Drum

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0031	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR8450	Slotted Geomet Coated Rotor (297mm) without VSC
REAR	Shoes	BIMS1012	Brake Shoes
	Drum	BIMD6488	Brake Drum

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP1125	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2700	Slotted Geomet Coated Rotor (338mm) with TRD Upgrade
REAR	Shoes	BIMS1012	Brake Shoes
	Drum	BIMD6488	Brake Drum



TOYOTA HILUX GEN8 - 2015+

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP1125	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR8350	Slotted Geomet Coated Rotor
REAR	Pads	BIMS1012	Brake Shoes
	Rotors	BIMD6488	Brake Drum



TOYOTA TUNDRA 200 SERIES - 2007 - 2021



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0067	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2724	Slotted Geomet Coated Rotor
REAR	Pads	BIMBP0608	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR1000	Slotted Geomet Coated Rotor



TOYOTA TACOMA - 2016+

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP1125	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR8350	Slotted Geomet Coated Rotor
REAR	Shoes	BIMS1012	Brake Shoes
	Drum	BIMD6488	Brake Drum



TOYOTA PRADO 120 SERIES 2002 - 2009



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP1125	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2700	Slotted Geomet Coated Rotor
REAR	Pads	BIMBP0428	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2620	Slotted Geomet Coated Rotor



TOYOTA PRADO 150 SERIES 2009+

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
Front	Pads	BIMBP1125	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR1850	Slotted Geomet Coated Rotor
Rear	Pads	BIMBP0428	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR8170	Slotted Geomet Coated Rotor





JEEP WRANGLER JL - SPORT 2018

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP1589	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR3502	Slotted Geomet Coated Rotor (335mm)
REAR	Pads	BIMBP2172	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR4346	Slotted Geomet Coated Rotor



JEEP WRANGLER JL - SAH 2018



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP1589	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR0085	Slotted Geomet Coated Rotor (335mm)
REAR	Pads	BIMBP2186	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR4959	Slotted Geomet Coated Rotor



JEEP WRANGLER JK 2007 - 2018



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0731	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2120	Slotted Geomet Coated Rotor (302mm)
REAR	Pads	BIMBP0604	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2470	Slotted Geomet Coated Rotor

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0731	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2630	Slotted Geomet Coated Rotor (332mm)
REAR	Pads	BIMBP0604	Kevlar Ceramic Brake Pads
	Rotors	BIMSBR2470	Slotted Geomet Coated Rotor



JEEP GRAND CHEROKEE WK SRT8 2011+

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0008	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR1513	Slotted Geomet Coated Rotor
REAR	Pads	BIMBP0009	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR1512	Slotted Geomet Coated Rotor



MITSUBISHI TRITON MN, MQ, MR 2009+



LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP1944	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR8700	Slotted Geomet Coated Rotor
REAR	Shoes	BIMS1016	Brake Shoes
	Drum	BIMD6642	Brake Drum



ISUZU D-MAX 2012 - 2020+



(2012-2020)

2020+

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP1778	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2060	Slotted Geomet Coated Rotor (300mm)
REAR	Shoes	BIMS1016	Brake Shoes
	Drum	BIMD1658	Brake Drum

LOCATION	PARTS	IRONMAN NO.	DESCRIPTION
FRONT	Pads	BIMBP0201	Kevlar Ceramic Brake Pads
	Rotor	BIMSBR2616	Slotted Geomet Coated Rotor (320mm)
REAR	Shoes	BIMS1016	Brake Shoes
	Drum	BIMD1658	Brake Drum



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