

# PRODUCT SPECIFICATIONS



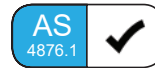
**Publication Date:**  
April, 2021

**Description:**  
Toyota Prado 150 SmartBar

**Application:**  
Toyota Prado 150 10/17-08/20  
& 09/2020+

**Fitting:**  
Minimum 4 Hours (Non Winch)  
Minimum 5 Hours (Winch)  
Refer Matrix for Accessory Fitup

**Available:**  
Now



## Product Specification

Specifically designed for the Toyota Prado 150 facelift released in late 2017. The SmartBar's Vehicle Frontal Protection System (VFPS) is a partial bumper replacement that complements the design and shape of the vehicle, maintains all of the factory accessories and all the while provides unparalleled safety.

Designed to suit the GX, GXL, VX and Kakadu models, the SmartBar is engineered to be the lightest and safest VFPS available; offering even more protection and safety for vehicle owners and importantly pedestrians.

Compatible with Toyota Safety Sense+ features including Lane Departure Alert, Pre-Collision Safety System with Pedestrian Detection, Automatic High Beam & Active Cruise Control.

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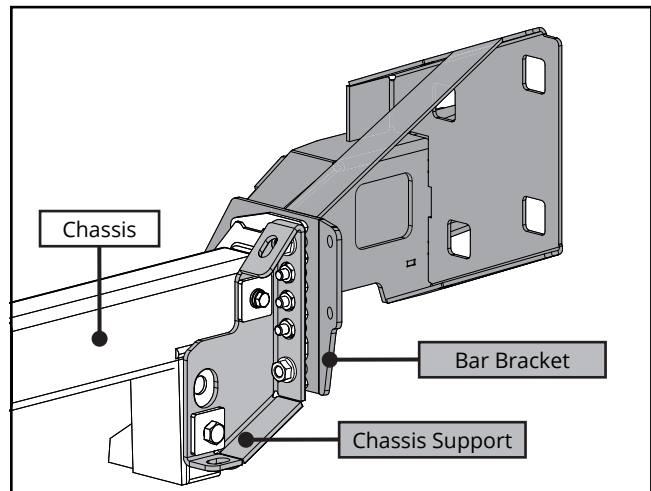
## Protection & Styling Characteristics:

- Meets full Australian Standard AS 4876.1-2002. Including 3.2 Road User Protection
- Weight savings provide improved fuel economy and reduced tyre, suspension and brake wear when compared to other alternatives
- Fitted Weight of **37kg for Non Winch**
- Fitted Weight of **44kg for Winch**
- Bar adds 180mm to vehicle length
- 27° approach angle at centre
- Air Bag Compatible
- Bumper trim, easily fitted
- Superior frontal protection, due to the impact absorbing hollow construction
- Supplied with SmartBar All in 1 Light
- SmartBar All in 1 Light includes daytime running light, fog, parker & indicator. Driving light functionality can be added with additional wiring harnesses.
- Supplied with 1 x Antenna Mount
- Antenna mount location on loops of the bar, up to 4 available
- Reinforced heavy duty antenna mount / flag mount available as an option
- UV stabilised polymer for durability and corrosion resistance
- Styled to maintain the Vehicle's aesthetics
- Proudly designed and manufactured in Australia
- Minimal maintenance
- Minimal repair costs after impact
- Manufactured from environmentally friendly, recyclable polyethylene polymer
- Available in Black as standard, other colours available for large order quantities
- Accommodates up to 10,000lb Winch
- Accommodates a large range of spotlights
- Compatible with ARB Under Vehicle Protection. UVP Adapter kit required
- Compatible with ARB Recovery Points
- Compatible with front parking sensors. Parking Sensor Kit required
- Compatible with front parking camera. Camera Relocation kit required
- Compatible with Toyota Safety Sense+ (Lane Departure Alert, Pre-Collision Safety System with Pedestrian Detection, Automatic High Beam & Active Cruise Control) see Light and Winch fitments pages for compatibility
- SmartBar is tested to ensure a HIC (Head Injury Criteria) figure below the Australian Standard rating of 1500, as to provide pedestrians with a higher probability of surviving a low speed impact
- High Lift Jack point available as an option with winch bars

## Chassis Mounts:

The chassis mount design comprises of a single part construction which allows for three axis adjustability while supporting the chassis and giving superior rigidity to the bar.

All brackets have been tested and comply with Vehicle Air Bag compatibility, Winch Maximum Pull Exertion and Australian Safety Standards.



## Pedestrian Safety:

SmartBar's have been tested and proven to be less likely to cause serious injury to pedestrians than other alternatives. This is due to the hollow construction which allows the bar to absorb most of the impact along with the unique and specifically designed co-polymer material.

SmartBar is tested to ensure a HIC (Head Injury Criteria) figure below the Australian Standard rating of 1500.



## Underwing Panels:

The under wings are designed to provide even more protection to the under body of the Toyota Prado outside of the chassis rails.

The under wing panels are compatible with the ARB UVP and ARB recovery points.



## Under Vehicle Protection:

The SmartBar in both winch and non winch configurations, is compatible with the ARB Under Vehicle Protection (UVP).

An additional UVP adapter accessory is required to fill the gap between the UVP and the SmartBar.

Part Number: SA210UVP



## Recovery Point:

The SmartBar in both winch and non winch configurations, is compatible with the ARB recovery points to assist with vehicle recovery. Shown in Red here.



## Winch Mount:

The SmartBar winch bracket kit is compatible for winches up to 10,000lb.

See page 9 for full winch details.

A flip up number plate bracket is recommended for standard size number plates with winch bars. ARB part number 3500630.





## High Lift Jack Point:

The winch bracket kit fits the High Lift Jack point.

High Lift Jack point sold as optional extra.

Part number: SAHLJ1



## High Lift Jack:

The High Lift Jack point is compatible with ARB's Jack and standard High Lift Jacks.



## Accessories Mount:

The SmartBar is supplied with an accessory bracket to mount driving lights, light bars, winch control boxes and other accessories.

Fitment of accessories to this bracket may interfere with the Toyota Safety Sense+ radar (located in the Toyota badge in the grille).

To see further details on light fitment see page 10.



## SmartBar All in 1 Light:

All bars come with All in 1 SmartBar Lights. This light has a driving light, daytime running light, fog light, parking light and indicator.

Complete functionality is optional but may require additional wiring. See matrix below for details.

The All in 1 Light comes with a 5 year warranty.



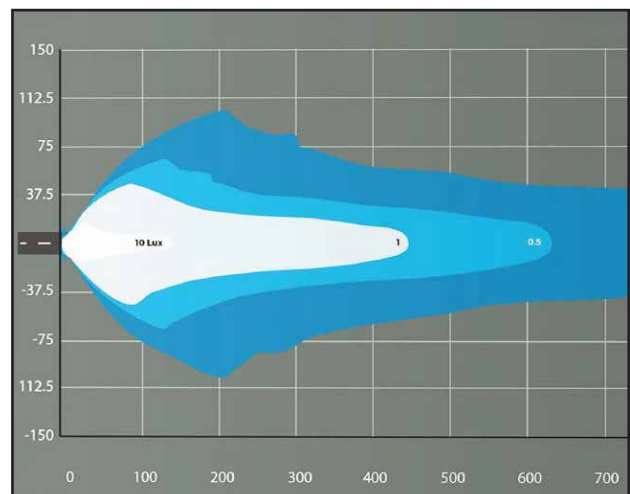
Function	GX	GXL / GX / Kakadu
Daytime Running Light	Included	Included
Parker Lights	Included	Included
Left / Right Indicators	Included	Included
Fog Light	GX does not come with fog lights. To add the fog light, an additional harness is required with on/off switch. See matrix for details.	Included
Driving light	To add the Driving light, an additional driving light harness is required with on/off switch. See matrix for details.	To add the Driving light, an additional driving light harness is required with on/off switch along with a second harness for adapting to the CAN BUS system. See matrix for details.

## SmartBar All in 1 Functions:

Driving light function can be added to the All in 1 Light with additional wiring kits.

The kit includes the ARB Driving Light Wiring Loom (3500520) with Deutsch connectors allowing for other spot lights to be easily installed to the vehicle. The harness includes an On/Off switch.

Additional looms may be required for complete functionality. Refer matrix for full details.



## Parking Sensors:

Vehicles fitted with parking sensors have the parking sensors relocated to the bar.

When parking sensors are to be fitted a specific bar is required.

Part Number: SA212BL210 Standard  
Part Number: SA212BL211 Winch



## Camera Relocation:

Vehicles fitted with a front parking camera in the grille require the camera to be relocated to the bar.

The camera relocation kit is required for vehicles with the front parking camera.

Part Number: SA210CRK



## Headlight Washers:

The headlight washers are retained in the original bumper. The bar does not interfere with the functionality of the headlight washers.





## Antenna Mounts:

There are antenna mounts incorporated onto the top loops of the bull bar.

The SmartBar is supplied with a single antenna mount kit (SAAMB12) which mounts to the inner mounting position. This can be mounted either RHS or LHS.



SmartBar recommends using black antennas only for vehicles with Lane Departure Alert (LDA) technology. Other colours may interfere with the functionality of LDA.



## Antenna Outer Mounts:

An additional antenna mount kit can be purchased for mounting to the outer mounting position. This can be mounted either RHS or LHS.



SmartBar recommends using black antennas only for vehicles with Lane Departure Alert (LDA) technology.

Part number: SAAMB23



## Flag Mounts (Heavy Duty):

For heavy duty antenna and flag mount applications, SmartBar offer a reinforced mounting kit which mounts to the inner mounting position.



SmartBar recommends using black flags only for vehicles with Lane Departure Alert (LDA) technology.

There is a unique bracket for mounting on either the left or right side of the vehicle.

Part number: SA210FML - LH Side  
Part number: SA210FMR - RH Side





## Winch Model Fitment:

This winch compatible model of SmartBar accommodates the following winches:

Warn ZEON<sup>1</sup> 8, 8-S, 10, 10-S  
 Warn ZEON Platinum<sup>1</sup> 10 and 10-S  
 Warn Magnum 10lb  
 Warn M8000, XD9000, XP9.5 and XDC 9.5  
 Bushranger DV-9TH, DS9.5TH and Seal 9.5TH  
 Bushranger Revo 10lb  
 Smittybilt X20<sup>2</sup> 10lb

The SmartBar is supplied with an accessory bracket that mounts to the bar in front of the grille. The winch control box can be mounted on the accessory bracket between the spotlights.

Please note that not all winches on the market will have corresponding control box mount holes predrilled.

Note: If a control box is fitted to the accessory bracket, it will completely prevent the use of a light bar.

<sup>1</sup> Warn ZEON and ZEON Platinum requires the Warn part W89965 Short Wiring Kit. This kit allows relocation of the control box to the accessory bracket.

<sup>2</sup> Installer must create additional holes in the accessory bracket to mount the Smittybilt control box.

A flip up number plate bracket is recommended for standard size number plates when SmartBars are fitted with a winch, ARB part number 3500630.



**CAUTION For vehicles with Toyota's Safety Sense+ technology with Pre-Collision Safety System (PCS) & Active Cruise Control (ACC).**

SmartBar does not recommend objects be mounted in front of the radar (located in the Toyota badge in the grille).

Testing has shown that objects mounted higher than 130mm above the accessory bracket and to a width of 240mm give the highest probability of interference to the functionality of the Toyota Safety Sense+ radar (See image on page 10). Installation of lights on the accessory bracket do so at their own risk.

## Light Model Fitment:

This model of SmartBar accommodates the following Lights:

### ARB Intensity:

- ARB Intensity 21
- ARB Intensity 32
- ARB Intensity AR40  
(requires pedestal mounting kit)

### Bushranger Night Hawk lights:

- NHP180 (S&D) (180mm Round light)
- NHS055-NHS245 (5.5 inch to 24.5 inch light bars)

### IPF Lights:

- 801/901 Xtreme Sport Series
- 800/900 HID Series
- 800/900 Series
- 900 Xtreme LED Sport Series
- 868/968 Series
- 930 Super Rally

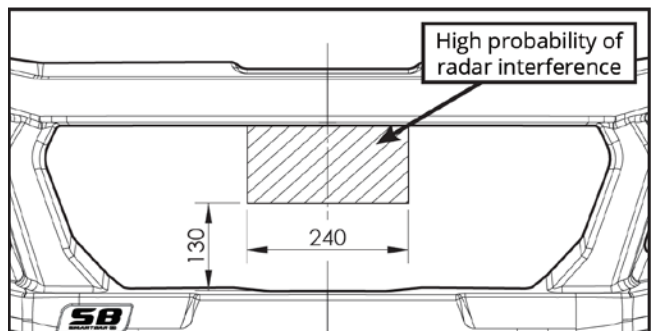
Note: If a control box is fitted to the accessory bracket, the lights available to be fitted in the SmartBar will be heavily restricted; and it completely prevents the use of any light bar.



**CAUTION For vehicles with Toyota's Safety Sense+ technology with Pre-Collision Safety System (PCS) & Active Cruise Control (ACC).**

SmartBar does not recommend objects be mounted in front of the radar (located in the Toyota badge in the grille).

Testing has shown that objects mounted higher than 130mm above the accessory bracket and to a width of 240mm give the highest probability of interference to the functionality of the Toyota Safety Sense+ radar. Installation of control boxes on the accessory bracket do so at their own risk.



# PART NUMBER MATRIX



## SMARTBAR TOYOTA PRADO 150 (10/17+)

Fitting Times	4 Hours	4.5 hours	30 mins	90 mins	30 mins	15 mins	15 mins	15 mins	15 mins	15 mins	15 mins	15 mins	Optional High Lift Jack Point
Toyota Prado Standard													
GX <sup>1</sup> Standard Bar	SA210BL210			3500520		SA210UVP	SA210FVL	SA210FMR	SAAMB23	SAAMB12			
GXL <sup>1</sup> Standard Bar	SA210BL210			3521060 & 3500520		SA210UVP	SA210FVL	SA210FMR	SAAMB23	SAAMB12			
VX, Kakadu Standard Bar		SA212BL210	SA210CRK	3521060 & 3500520		SA210UVP	SA210FVL	SA210FMR	SAAMB23	SAAMB12			
<b>Fitting Times 5 Hours 5.5 Hours</b>													
Toyota Prado Winch													
GX <sup>1</sup> Winch Bar	SA210BL211			3500520		SA210UVP	SA210FVL	SA210FMR	SAAMB23	SAAMB12			SAHLJ1
GXL <sup>1</sup> Winch Bar	SA210BL211			3521060 & 3500520		SA210UVP	SA210FVL	SA210FMR	SAAMB23	SAAMB12			SAHLJ1
VX, Kakadu Winch Bar		SA212BL211	SA210CRK	3521060 & 3500520		SA210UVP	SA210FVL	SA210FMR	SAAMB23	SAAMB12			SAHLJ1

Please note:

- <sup>1</sup> GX & GXL model vehicles come standard without parking sensors but can be optioned with front parking sensors. VX & Kakadu models come standard with front parking sensors.
- <sup>2</sup> Driving lights can be added to any vehicle by installing additional looms listed. Part 3500520 is the full ARB Driving Light Wiring Loom and can be used to fit additional spot lights.
- <sup>3</sup> Fog light function of the All in 1 Light can be utilized on the GX model by installing an Additional fog loom listed. GXL, VX & Kakadu come standard with fog light function.
- <sup>4</sup> UVP Adapter Kit required when a UVP is installed on the vehicle. For use with ARB UVP Only (5421200 - UVP without KDSS, 5421210 - UVP with KDSS).
- <sup>5</sup> Bar supplied with 1x SAAMB12 kit. Listed kit is for the supply of an additional kit option.