NEW PRODUCT RELEASE INFORMATION:

Date: December 2016
Description: ARB Sahara Bar
Application: Toyota Landcruiser 200 Series MY16 VX and Sahara only
Part No./Barcode: Refer table
Product Group: 011 ARB Sahara Bars 5
Fitting: ½ Hours
Availability Date: February 2017

DESIGN & DEVELOPMENT:

The VX and Sahara models of the MY16 Toyota 200 Series Landcruiser have a number of features not found on the GX and GXL models that required a separate development program. This has resulted in a Sahara bar specifically designed and developed for the flagships models within the 200 Series range.

The ARB Summit bar design and development program for the VX and Sahara models includes elements that complement the following vehicle features not found on lower specification 200 Series:

- Bi-LED Headlamps with dynamic auto levelling
- Front parking sensors
- LED fog lamps
- Radar Cruise Control (Sahara only)
- 4 Camera Multi Terrain Monitor (Sahara only)
PROTECTION & STYLING CHARACTERISTICS:

- Vehicle specific design for the 200 Series VX and Sahara.
- Registered design of styling and design components.
- Durable steel construction for maximum protection.
- Incorporates ARB’s renowned multi fold upswept and tapered wing design for optimum strength and approach angle.
- 30mm radius on wings and centre section.
- Engineered, air bag compatible mounting system secures to the chassis via high tensile bolts.
- Split pan design for maximum strength and airflow.
- 2 piece grill design for split pan.
- Extensive protection panels on centre and either side.
- Pressed form top pan and aluminium (powder coated black) winch cover panel.
- Twin Hi-Lift jack points located beneath each buffer for optimum strength.
- Durable two piece buffers.
- Will accommodate Warn, Magnum, Bushranger Smittybilt low mount model electric winches up to 12,000lb (not Warn M12,000).
- Provision to accommodate ARB Intensity LED’s and a range of Bushranger and IPF lights.
- Provision for original equipment LED fog lights. ARB Fog light covers PN 3500680 included as standard.
- Includes ARB LED Indicator and Clearance light.
- Provision for front parking sensors.
- Press form in wing to clear original equipment headlight washers.
- Two aerial brackets located on the top of the centre frame. Mount holes provided on top pan for when no tube kit fitted.
- Bar adds approximately 210mm to the overall length of the vehicle.
- Approximate weight of the bar, chassis mounts and fitting kit is 76kg. Optional Sahara Tube weighs approximately 4kg. Approximately 22kg is removed from the vehicle for fitment of the bar.
- Zinc rich primer for additional corrosion resistance.
- Finished in satin black powder coat

PART NUMBERS AND PRICING:

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<td>016 – Front Bar Options</td>
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<td>5100230</td>
<td>BUFF KIT 2PCE REAR SAHARA BMPR</td>
<td>9332018035561</td>
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Please note that alloy tube kit 5100300 includes the necessary top buffer section required for fitment.
FOG LIGHTS:

ARB’s new fog light surround is featured in the ARB Summit Bar for the MY16 200 Series.

An adaptor plate has been developed to retain the OE Toyota LED fog light in a modified ARB Fog light surround. OE fog light adjustment is retained in the fog light adaptor bracket. ARB’s clear fog light cover part # 3500680 is supplied standard with the VX and Sahara Summit Bar.

The fog light surround will be supplied in a natural black finish to complement the buffer design.

WINCH MODEL FITMENT:

The ARB Sahara Winch bar for the VX and Sahara MY16 200 Series fits the following winches:

- Warn M8000, XD9000, 9.5XP, 9.5XDC, 12.0XE (Not M12000)
- Warn ZEON 8, 8-S, 10, 10-S and 12
- Warn ZEON Platinum 10, 10-S and 12
- Warn Magnum 8, 10 and 12
- Smittybilt Gen2 X20 10K
- Bushranger DV-9TH, DS-9.5TH, Seal 9.5TH and DV-12TH

Due to the orientation of the Warn M12000 (clutch handle on the right hand side) this winch is not recommended fitment to the Sahara Bar.

The Sahara bar has an integrated control box mount that recesses the control box lower in the pan. When mounted this way there is no effect on the vehicles radar system (if equipped). Different mount holes and control box brackets are provided to suit different winches. Winch fitting kit instructions have further information as to which mount hole or bracket is suitable.

Please note that not all winches on the market will have mount holes pre-drilled.

Additional fit kits are required depending on the winch being fitted:

- 3500720 WINCH INSTALL KIT SUMMIT BAR. This kit includes a flip up number plate bracket.
- Warn ZEON and ZEON Platinum fitment require Warn part No W89965 Short Wiring Kit.
- Warn ZEON Platinum fitment may require Warn part No W94288 Enhanced Signal Kit.
- Winches fitted with a hawse fairlead will require part No 3500600 Hawse Fairlead Spacer Kit.
ANTENNA MOUNTS:

Whilst two aerial mounts are welded to the centre cross tube to allow fitment of UHF/AM radio and mobile phone aerials/antennas, depending on the size of the antenna, the vehicles Lane Departure system may be effected if antennas are fitted. Not every size of antenna has been tested.

Additional mount points are located on the upper pan for when no tube is fitted.

Synchro pulse controlled welding is used for a visually appealing weld with seam quality that is comparable with that of a TIG weld.

DRIVING LIGHT MOUNTS:

The press formed top pan includes laser cut holes for fitment of a range of compatible driving lights including ARB Intensity, Bushranger and IPF 800, 808 and 900 Series lights.

Pinning holes for ARB Intensity lights are included.

It is recommended that driving lights are fitted at the time of bar fitment. If driving lights are being fitted after the bar has been fitted, the centre lower stone tray will need to be removed to provide access to the right hand side driving light mount.

BUFFERS, SPLIT PAN GRILL AND FOG LIGHT SURROUND:

ARB’s Sahara Bar range features two piece buffers, split pan grill and ARB’s Fog Light Surround with an adaptor plate to accept fitment of the OE LED fog light. All three components are designed to integrate with each other and the bar design.

The upright section of the two piece buffer has a style line to complement the light surround.

To assist with valuable air flow to the radiator the split pan has a two piece grill for an integrated appearance.
RADAR CRUISE CONTROL:

The Sahara MY16 200 Series features a Radar Cruise Control system. The radar is located within the Toyota symbol in the vehicle’s grill.

Due to the recessed control box mount and spacing of the driving light mounts operation of the Radar Cruise Control is not affected. Effect of fitment of an LED light bar or different driving lights or winch control boxes is not known.

HI-LIFT JACK POINTS:

Hi-Lift jack points are located directly below the buffers. The Hi-Lift jack point is welded directly to the upright on either side and is designed to prevent the Hi-Lift jack from interfering with the buffer.

HEADLIGHT WASHER PRESS FORM:

VX and Sahara models feature Bi-LED Headlamps with dynamic auto levelling. Headlight washers are also included due to the headlight design. The wings of the ARB Sahara bar for the VX and Sahara models include press forms to allow clearance for the original equipment headlight washers to operate in all conditions.

Due to the dynamic nature of the vehicle’s chassis and movement between the chassis mounted bull bar and the vehicle body the press form allows the headlight washers to be used even when the bar and chassis are moving under rough road conditions.

PARKING SENSORS

Laser cut provision is provided in each wing for the Original Equipment front parking sensors. OE parking sensors have been mapped and their performance closely replicated when fitted to the ARB Sahara Bar for the VX and Sahara 200 Series.

Parking sensors are located approximately 140mm higher than the OE condition. When fitted with larger diameter tyres and / or aftermarket suspension these parking sensor positions and hence range may also be affected.

Further real world testing has been conducted evaluating the operation of the sensors against such items as rubbish bins, parking bollards, wire fences, large rocks and step driveway entrances. Test results show that sensor performance is replicated as close as practical with the change in height of the sensors location.
CAMERA RELOCATION KIT:

The MY16 model Sahara LC200 is fitted with a front facing camera as part of its Multi Terrain View camera system. The camera is located in the central Toyota symbol badge in the grill. Due to the nature of the camera when a bar is fitted the lower edge of vision is restricted.

A relocation bracket has been developed that moves the camera from the Toyota symbol to a location within the split pan of the ARB Sahara Bar.

On the ARB Sahara bar, due to additional structure for winch fitment, the camera is relocated to a position that is 150mm offset to the right. The camera image therefore is from a lower orientation and is offset 150mm to the right.

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Relocation of the camera requires the OE plug to be de-housed, extension loom installed and the OE plug to be re-used. For full details, including pricing please refer to separate Camera Relocation Kit Product Information Bulletin.