FITTING INSTRUCTIONS

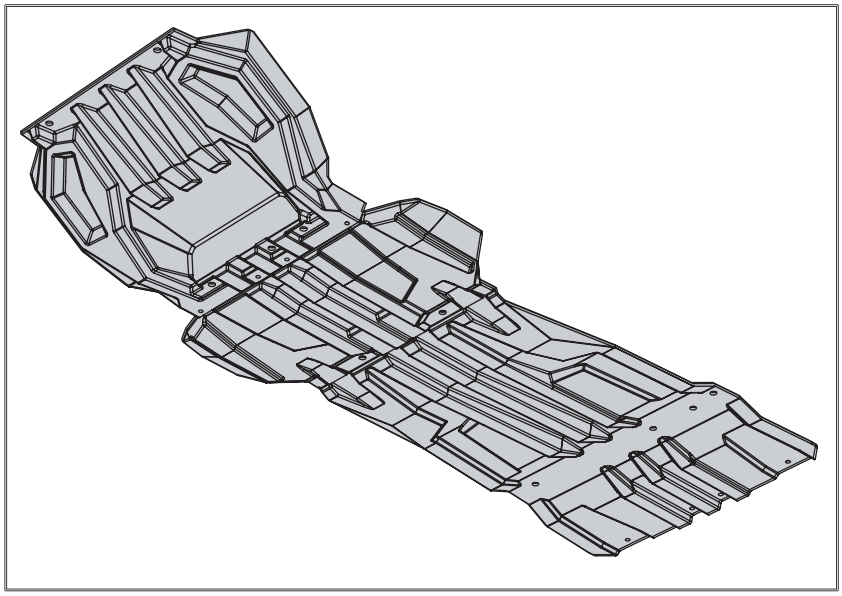
Document Title:
FI-UP001

Application:
Ford Ranger PX, PXII, PXIII
Ford Everest
Maza BT-50 (10/2011 - 09/2020)

Model Number:
UP001BL001 (Standard)
UP002BL002 (ARB Recovery Point)
UP001BL003 (BT-50 Standard)
UP002BL003 (BT-50 ARB Recovery)
Under Vehicle Armour

Fitting Time:
Minimum 1 hour

Revision:
H (06 September 2021)



PROUDLY AUSTRALIAN MADE

Warning:

- Do not attach Under Vehicle Armour (UVA) to the vehicle using anchorages not intended for this purpose (e.g. engine mounting bolts).
- Do not use this product for any vehicle make or model, other than those specified by the UVA manufacturer.
- Do not modify the structure of the UVA in any way, unless otherwise instructed.

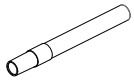
Note:

- Left and Right hand sides of the vehicle and SmartBar UVA throughout this instruction are from the view of being in the drivers seat looking forward.
- Please take the time to read the instructions thoroughly before proceeding with fitment of the UVA.
- Ensure all components, as listed in the bill of materials on the back page, are received prior to commencing the fitment. Please retain all hardware until fit-up is complete.
- Ensure these fitting instructions are passed onto the vehicle owner and/or operator.

If you have any queries regarding this product and its installation please contact the retailer it was purchased from.

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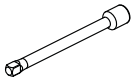
Tools Required

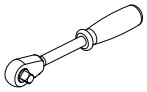

White Marker

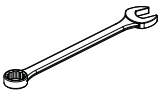

Tape Measure

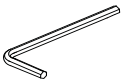

Air saw/
Multi Tool

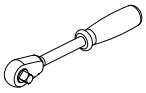

Socket
8, 15 & 16mm

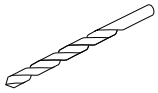

Socket
Extension


Socket Drive

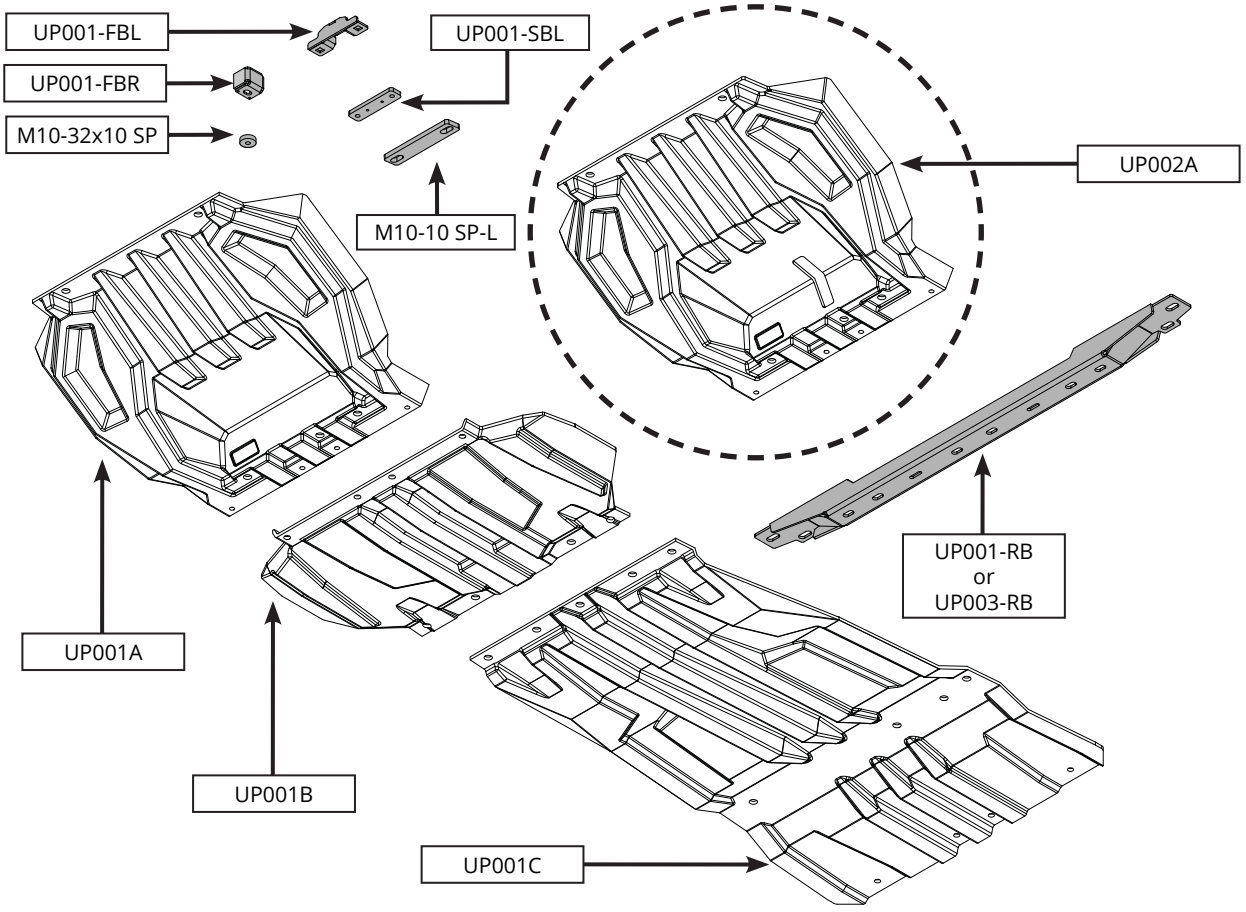

Spanner
15mm


Hex Key / Socket
4 & 6mm


Torque Wrench
(20-80Nm)


Drill Bit
6mm

RearBar and Mounting Brackets Overview



Torque Specs (Through Plastic)

Bolt Size	Torque (Nm)	Torque (lb/ft)
M10	20	14.75

Torque Specs (Metal to Metal Mounts)

Bolt Size	Torque (Nm)	Torque (lb/ft)
M10	44	32

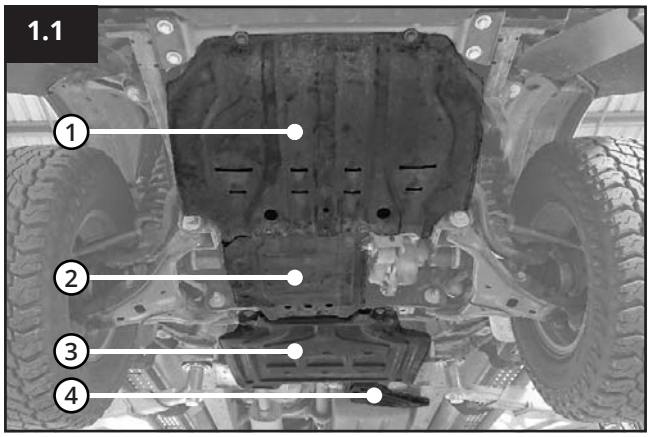
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Step 1: Vehicle Disassembly

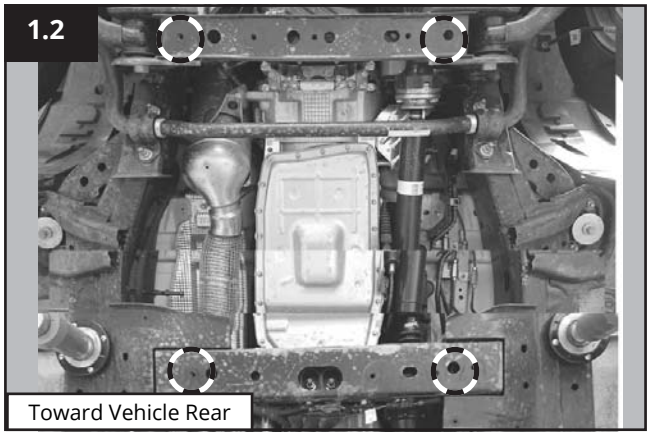
Note: If a bar is being installed, install the bar first.

Please retain all hardware removed from the vehicle until fitment is complete.

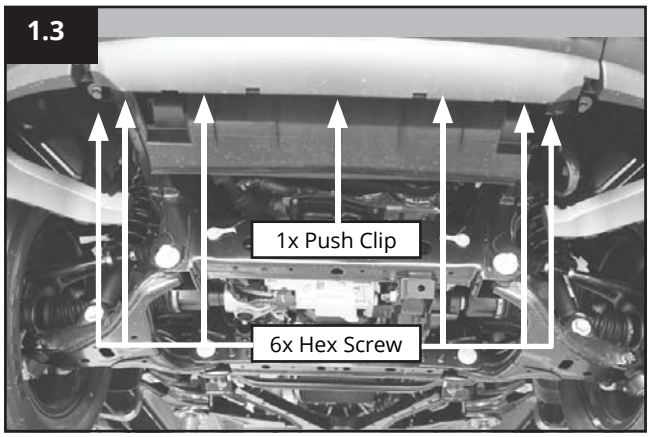
1.1 Remove all Original Equipment skid pans. (3-4 parts depending on vehicle)



1.2 Leave all nut plates (4 total) in position within cross-members **(PX & PXII Only)**

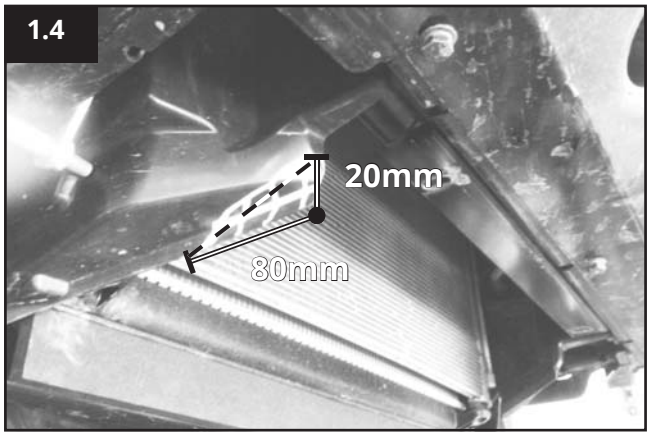


1.3 Remove plastic trim at bottom of front bumper **(PXIII and Everest Only).**



1.4 Mark and Trim plastic air dam using an air saw / multitool on both sides as shown. **(skip this step on Ranger PX3 and Everest 2019+)**

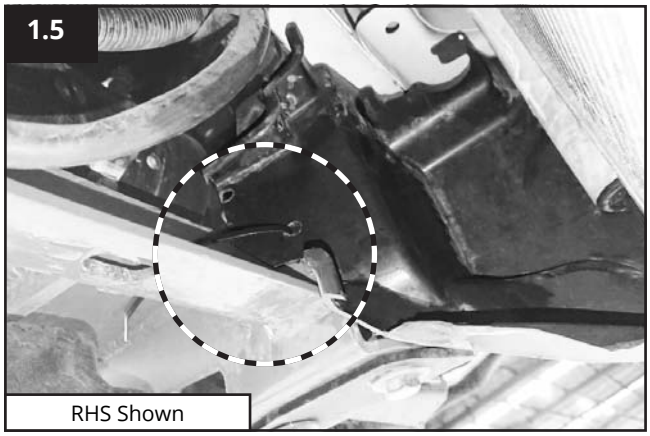
Note: Installation of the front panel may require additional material removed from air damn. If required, cut additional material in small increments until a clearance of 10 mm is achieved between the air dam and the front panel.



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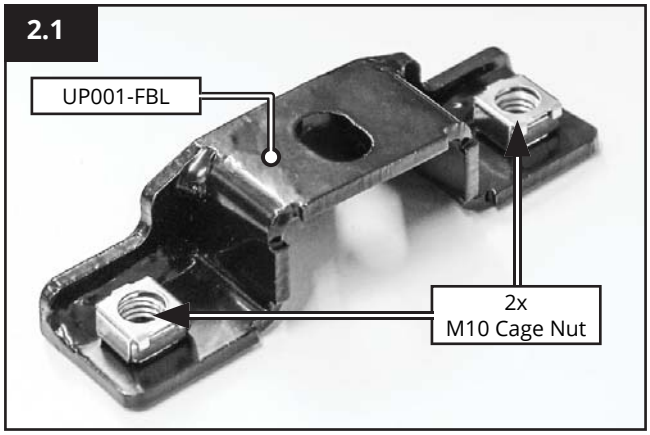
1.5 Drill hole in plastic air dam and secure to front crossmember using a cable tie on both sides.
(skip this step on Ranger PX3 and Everest 2019+)

NOTE: Make sure air dam is not making contact with radiator.



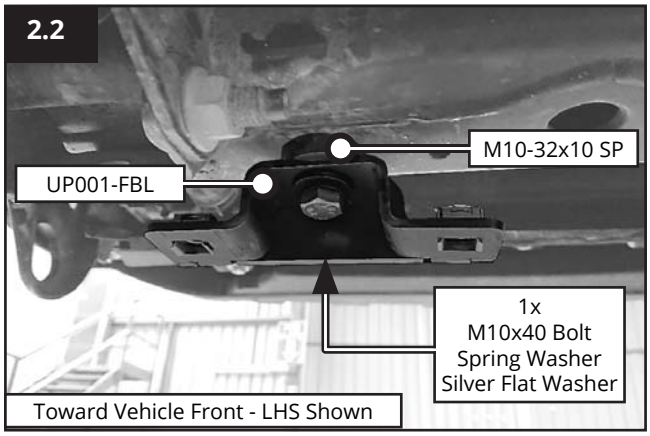
Step 2: UVA Assembly

2.1 Insert cage nuts to **UP001-FBL** as shown.



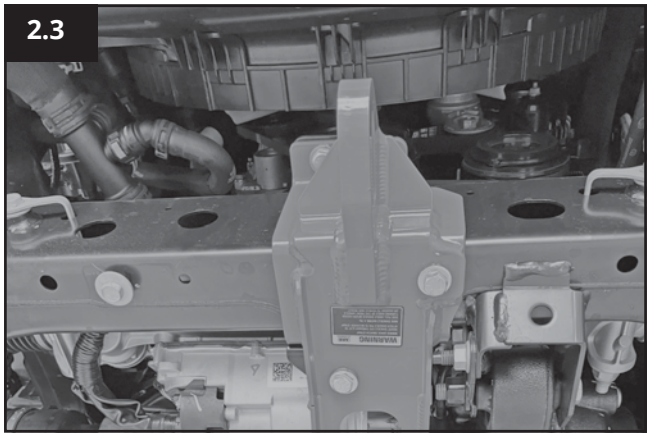
For Standard non-recovery point (UP001) only

2.2 Fasten **UP001-FBL** to the front cross-member using the hardware shown.



For ARB recovery point (UP002) only

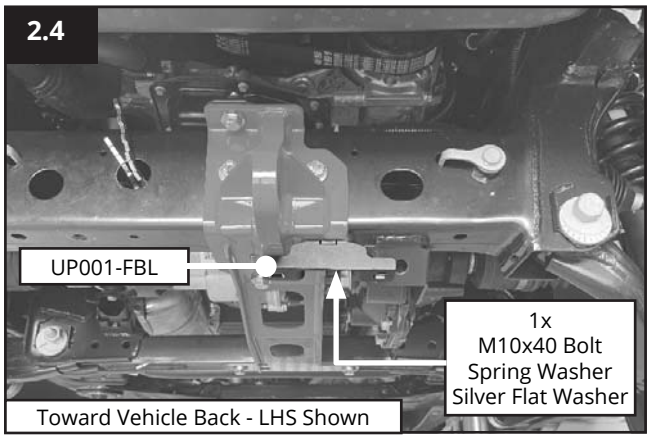
2.3 Install ARB recovery point following the ARB recovery point installation instructions.



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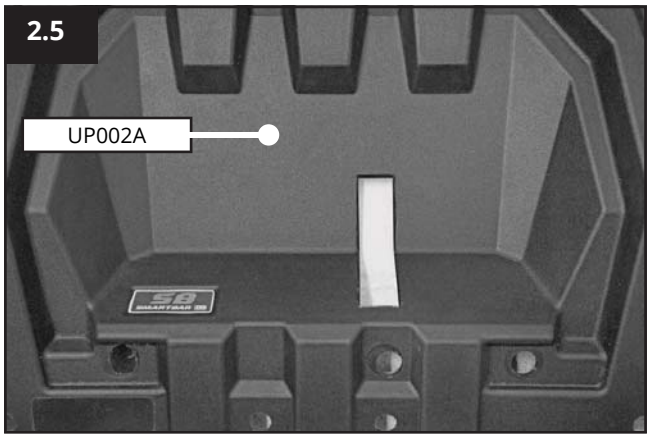
For ARB recovery point (UP002) only

2.4 Fasten **UP001-FBL** to the front cross-member using the hardware shown.



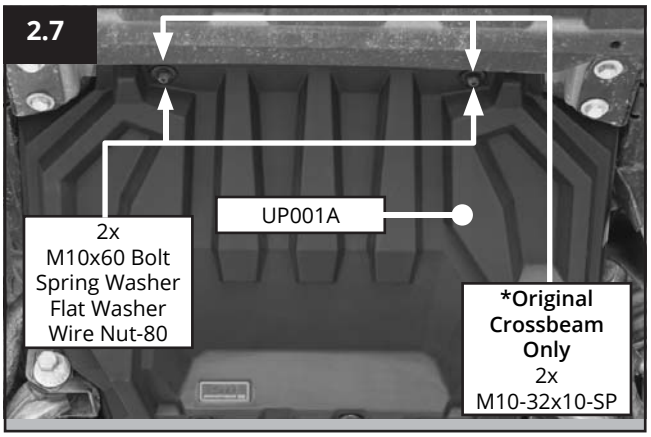
2.5 If an ARB recovery point is fitted use part **UP002A**.

If you have **UP001A** and would like to fit a recovery point, please contact your supplier.

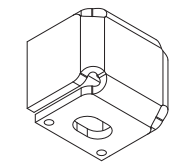


2.7 Fasten the front of **UP001A** to OE crossbeam (front bar if fitted) using fasteners shown. Do not fully tighten. Align wire nuts parallel to cross member.

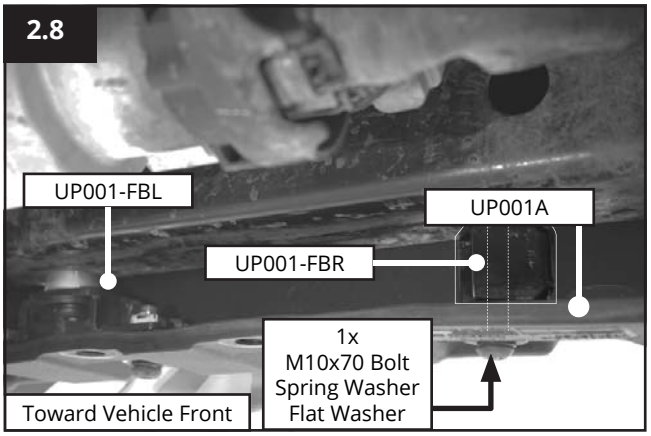
***NOTE: When vehicle is equipped with an original bumper; Place spacer hardware between the vehicle and the UVA as shown.**



2.8 Fasten rear of **UP001A** or **UP002A** through **UP001-FBR to vehicle crossmember** as shown. Do not fully tighten.



UP001-FBR

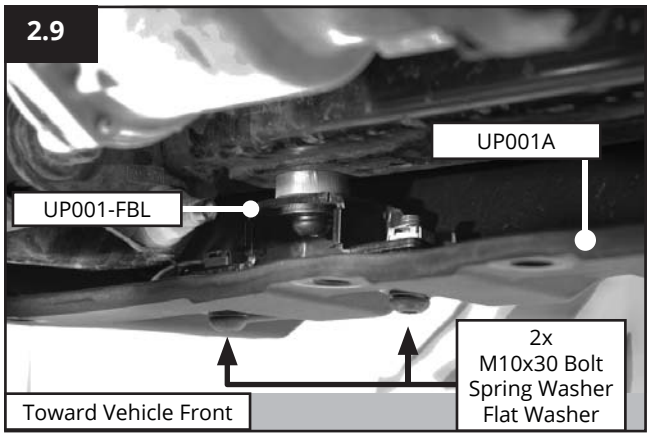


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2.9 Fasten rear of **UP001A** to **UP001-FBL** using hardware shown. Do not fully tighten.

The front bash guard is now in position.

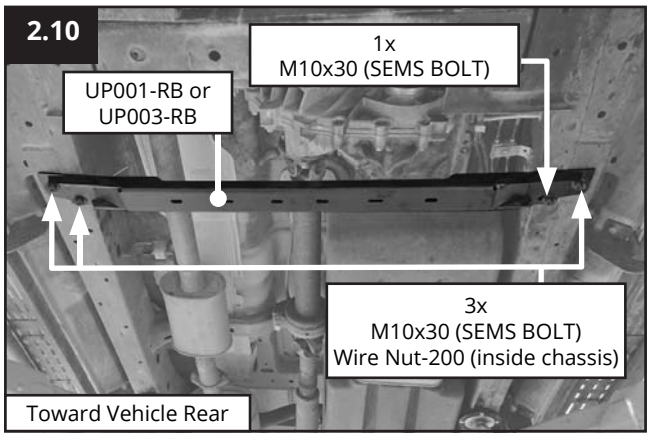
NOTE: Ensure 30mm Bolt is installed.



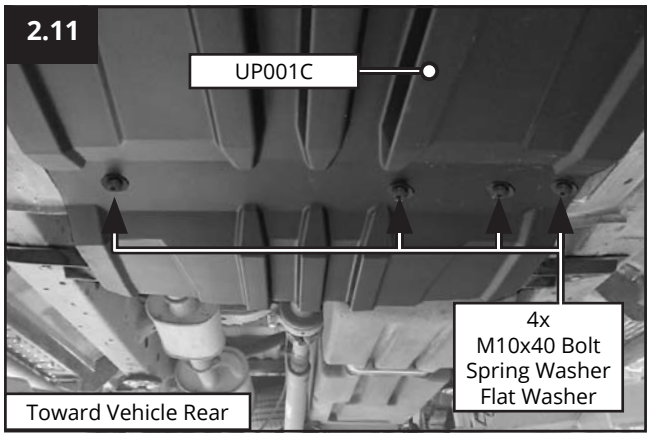
2.10 Fasten **UP001-RB OR UP003-RB (for BT-50),** to chassis rails as shown. Bend wire nut handles to point down away from fuel lines.

Note:

UP001-RB for Ford Vehicles
UP003-RB for Mazda BT-50



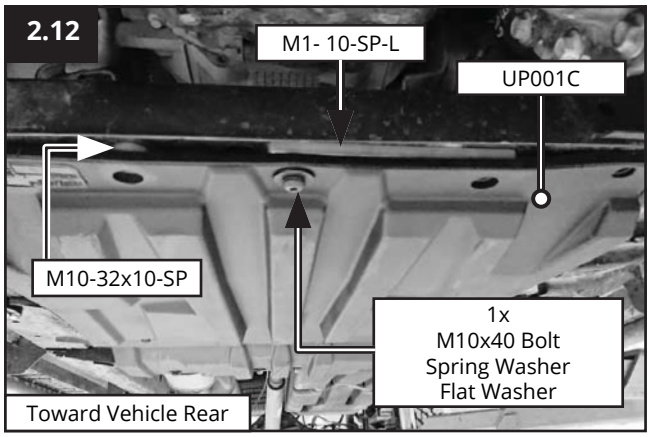
2.11 Fasten middle of **UP001C** to vehicle rear cross-member as shown. Do not fully tighten hardware.



For Standard non-recovery point (UP001) only

2.12 Fasten front **UP001C** to vehicle middle cross-member as shown. Fully tighten once correctly aligned.

Position spacer washer **M10-32x10-SP** in between UP001C and vehicle cross-member as shown.

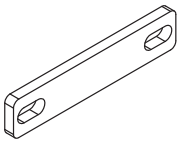


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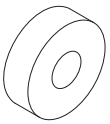
For ARB recovery point (UP002) only

2.13 Fasten front **UP001C** to vehicle middle cross-member. Fully tighten.

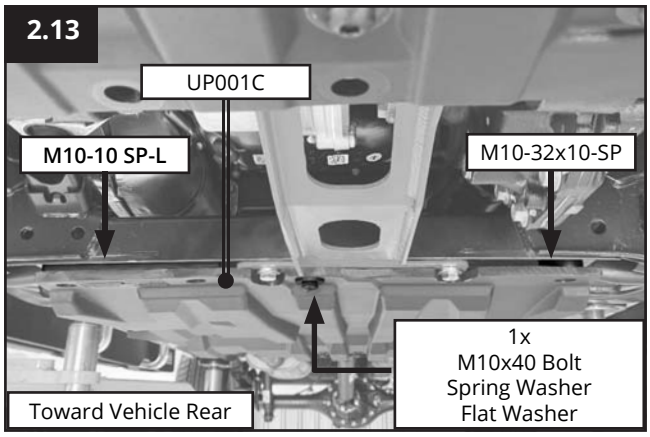
Position spacers **10-SP & 10-SP-L** in between UP001C and vehicle cross-member as shown.



M10-10 SP-L

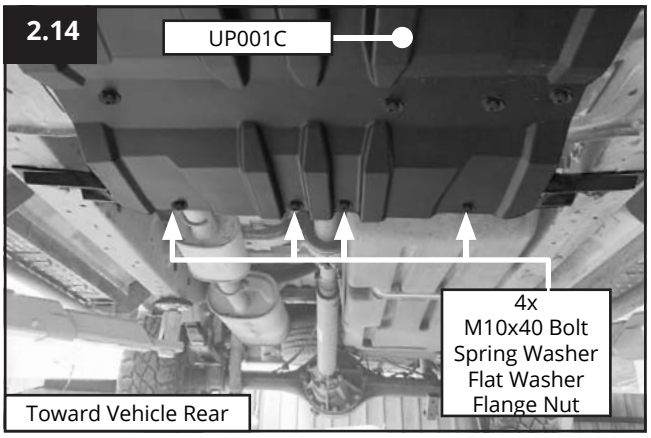


M10-32x10 SP

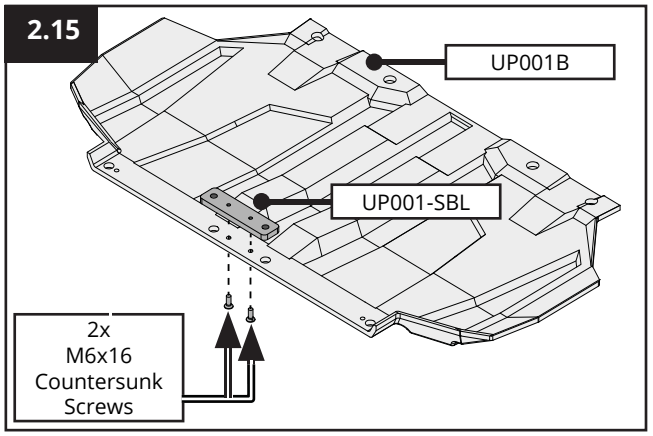


2.14 Fasten rear of **UP001BC** to **UP001-RB** as shown. Tighten all hardware holding **UP001C** in place.

Transmission cover is now installed

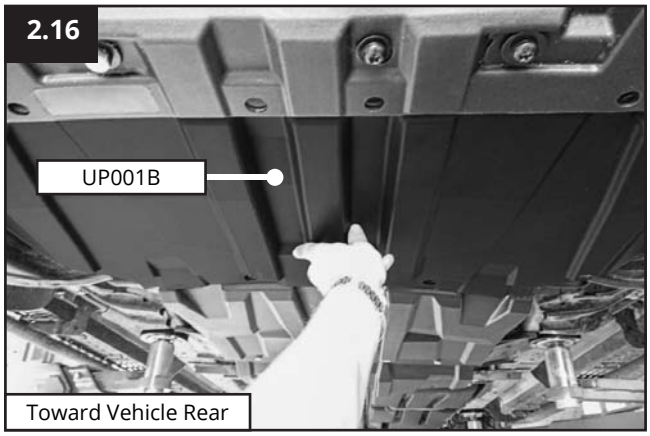


2.15 Fasten **UP001-SBL** to **UP001B** using fasteners shown.



2.16 Position **UP001B** between **UP001A** and **UP001C** as shown.

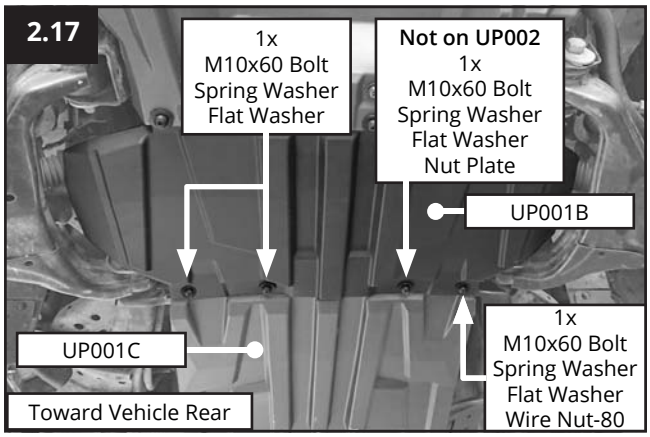
NOTE: The front of **UP001B** tucks above **UP001A**.



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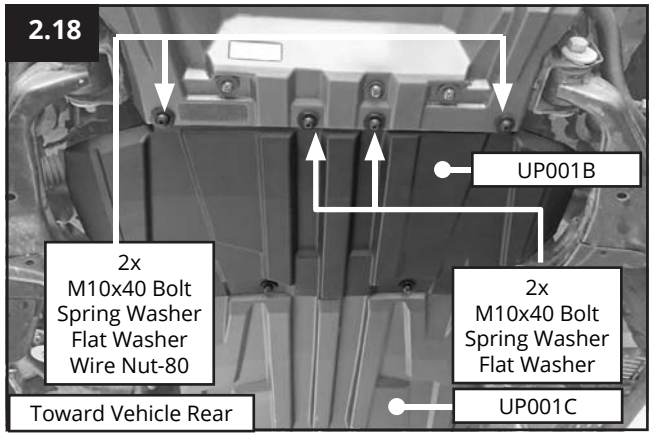
2.17 Fasten the back of **UP001B** through **UP001C** to the vehicle crossmember as shown. Do not fully tighten. Bend wire nuts 180 degrees at ends so that they stay inside crossmember.

Note: One of the fasteners (Middle-LHS) is obstructed by the recovery point and does not need to be inserted on the ARB recovery point (UP002) version.

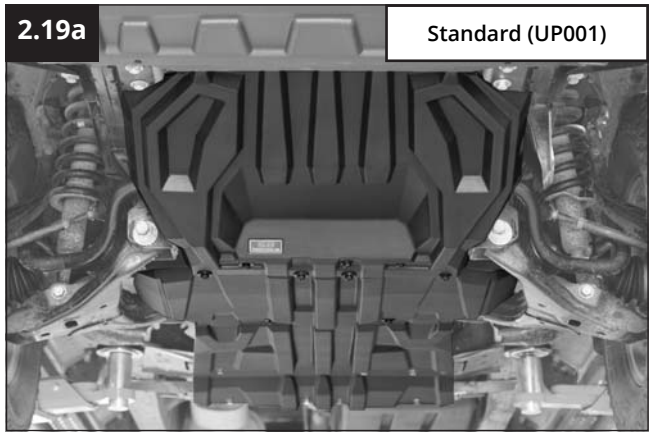


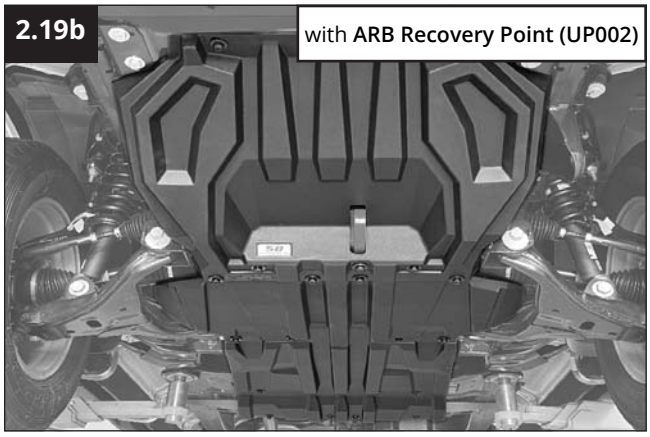
2.18 Fasten the front of **UP001B** to **UP001A** as shown.

Fully tighten all hardware.



2.15 Installation Complete





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UP001BL001

UP001ABLASSY - FRONT DEFLECTOR

Code	Description	Qty	OK
UP001A	Front Deflector	1	
BP80572	SmartBar Badge - small	1	
Packed By		Date	

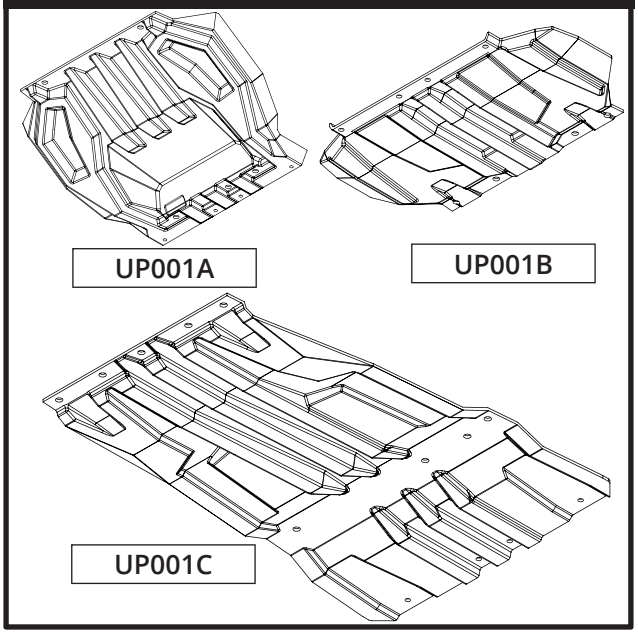
UP001BBLASSY - SUMP COVER

Code	Description	Qty	OK
UP001B	Sump Cover	1	
Packed By		Date	

UP001CBLASSY - TRANSMISSION GUARD

Code	Description	Qty	OK
UP001C	Transmission Guard	1	
Packed By		Date	

UNDER VEHICLE PROTECTION

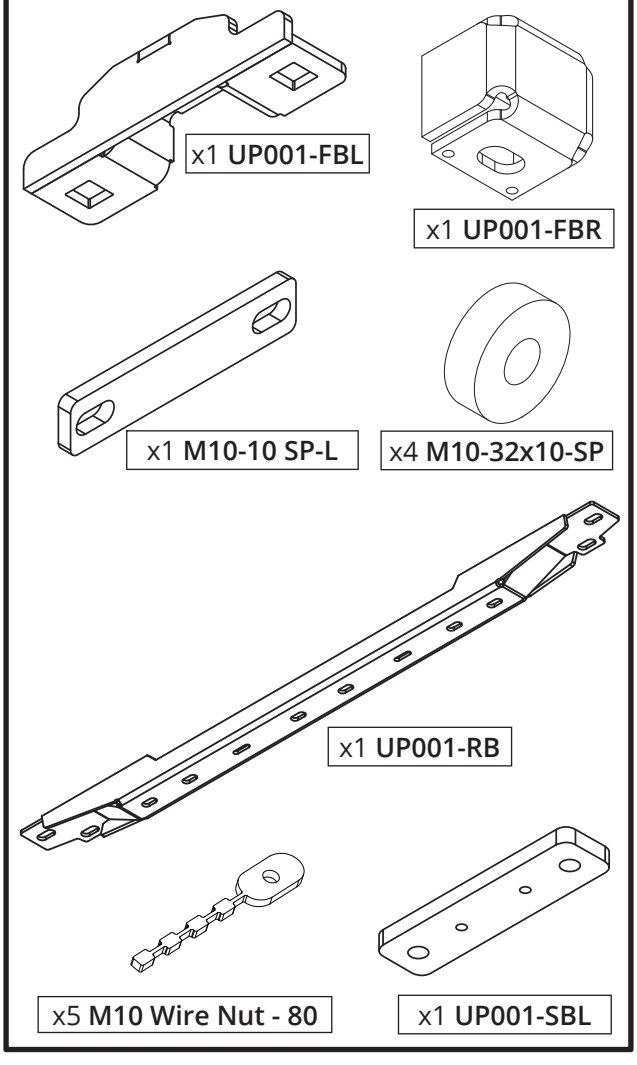


UP001BL001

Code	Description	Qty	OK
UP001ABLASSY	Front Deflector	1	
UP001BBLASSY	Sump Cover	1	
UP001CBLASSY	Transmission Guard	1	
UP001BKA	Bracket Kit Box	1	

Fasteners - UP001HWK			
BP80542	M10 Washer Flat- 30 - Black	22	
BP1093	M10 Washer Flat- 25 - Silver	1	
BP38750	M10 Spring Washer - Black	23	
BP1125	M10 Wiz Lock Nut	4	
BP80591	M10x30 Button Head Socket Screw	2	
BP80592	M10x40 Button Head Socket Screw	14	
BP80593	M10x60 Button Head Socket Screw	6	
BP80594	M10x70 Button Head Socket Screw	1	
BP80326	M6x16 Countersunk Screw	2	
BP80608	M10 Square Cage Nut	2	
MM50834	M10 Wire Nut - 200	4	
BP80383	Cable Tie 300x5	2	
BP42962	Smartbar Warranty Card	1	
BP80609	10X30MZPSS ZP BL SET SCREW	4	
Packed By		Date	

UP001BKA



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UP002BL002

UP002ABLASSY - FRONT DEFLECTOR

Code	Description	Qty	OK
UP002A	Front Deflector	1	
BP80572	SmartBar Badge - small	1	
Packed By		Date	

UP001BBLASSY - SUMP COVER

Code	Description	Qty	OK
UP001B	Sump Cover	1	
Packed By		Date	

UP001CBLASSY - TRANSMISSION GUARD

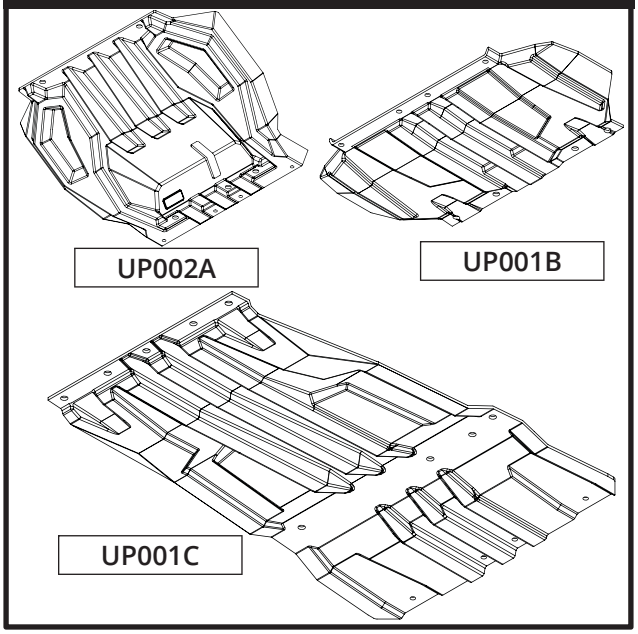
Code	Description	Qty	OK
UP001C	Transmission Guard	1	
Packed By		Date	

UP002BL002

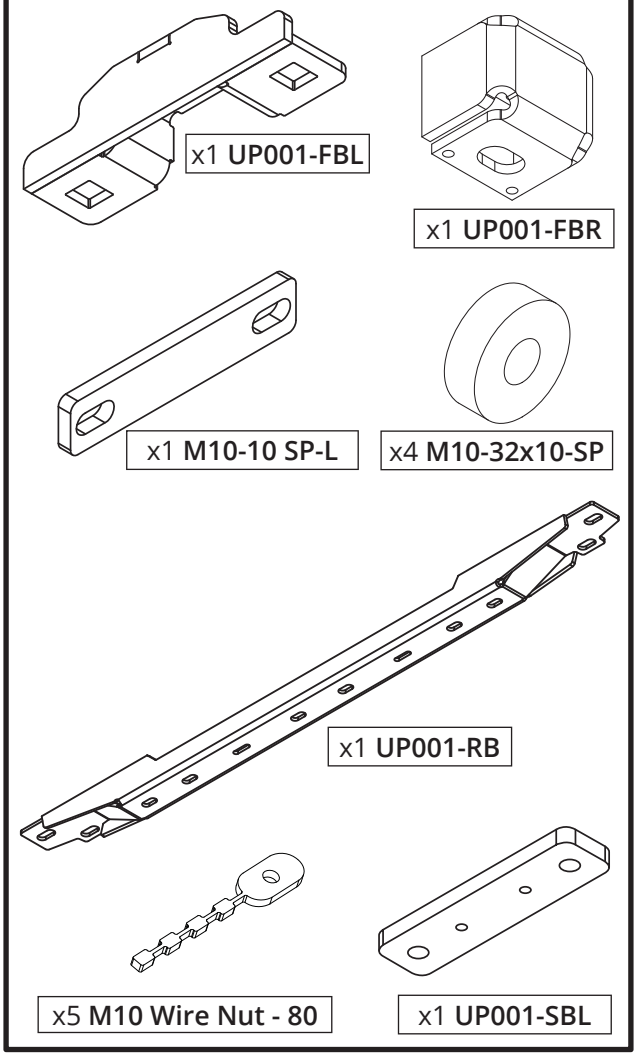
Code	Description	Qty	OK
UP002ABLASSY	Front Deflector	1	
UP001BBLASSY	Sump Cover	1	
UP001CBLASSY	Transmission Guard	1	
UP001BKA	Bracket Kit Box	1	

Fasteners - UP001HWK			
BP80542	M10 Washer Flat- 30 - Black	22	
BP1093	M10 Washer Flat- 25 - Silver	1	
BP38750	M10 Spring Washer - Black	23	
BP1125	M10 Wiz Lock Nut	4	
BP80591	M10x30 Button Head Socket Screw	2	
BP80592	M10x40 Button Head Socket Screw	14	
BP80593	M10x60 Button Head Socket Screw	6	
BP80594	M10x70 Button Head Socket Screw	1	
BP80326	M6x16 Countersunk Screw	2	
BP80608	M10 Square Cage Nut	2	
MM50834	M10 Wire Nut - 200	4	
BP80383	Cable Tie 300x5	2	
BP42962	Smartbar Warranty Card	1	
BP80609	10X30MZPSS ZP BL SET SCREW	4	
Packed By		Date	

UNDER VEHICLE PROTECTION



UP001BKA



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UP001BL003

UP001ABLASSY - FRONT DEFLECTOR

Code	Description	Qty	OK
UP001A	Front Deflector	1	
BP80572	SmartBar Badge - small	1	
Packed By		Date	

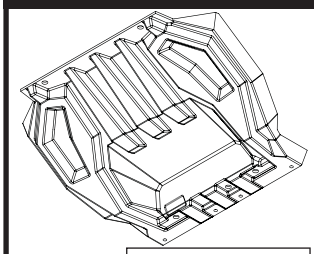
UP001BBLASSY - SUMP COVER

Code	Description	Qty	OK
UP001B	Sump Cover	1	
Packed By		Date	

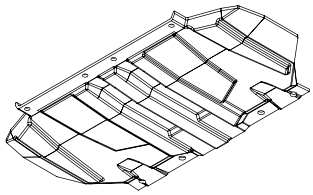
UP001CBLASSY - TRANSMISSION GUARD

Code	Description	Qty	OK
UP001C	Transmission Guard	1	
Packed By		Date	

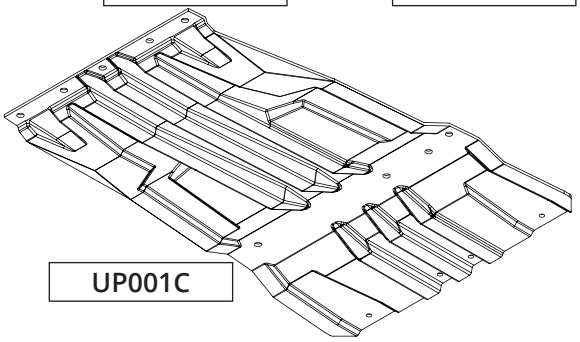
UNDER VEHICLE PROTECTION



UP001A



UP001B

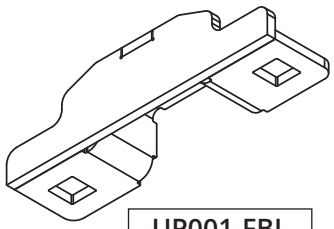


UP001C

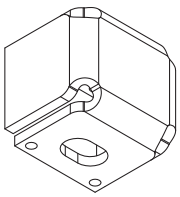
UP001BL003

Code	Description	Qty	OK
UP001ABLASSY	Front Deflector	1	
UP001BBLASSY	Sump Cover	1	
UP001CBLASSY	Transmission Guard	1	
Brackets and Spacers - UP003BKA			
MM80993	UP001-FBL	1	
MM80994	UP001-FBR	1	
MM81061	UP003-RB	1	
MM80999	M10-32x10-SP	4	
MM801000	M10-10 SP-L	1	
MM81019	UP001-SBL	1	
MM81020	M10 Wire Nut - 80	5	
Fasteners - UP001HWK			
BP80542	M10 Washer Flat- 30 - Black	22	
BP1093	M10 Washer Flat- 25 - Silver	1	
BP38750	M10 Spring Washer - Black	23	
BP1125	M10 Wiz Lock Nut	4	
BP80591	M10x30 Button Head Socket Screw	2	
BP80592	M10x40 Button Head Socket Screw	14	
BP80593	M10x60 Button Head Socket Screw	6	
BP80594	M10x70 Button Head Socket Screw	1	
BP80326	M6x16 Countersunk Screw	2	
BP80608	M10 Square Cage Nut	2	
MM50834	M10 Wire Nut - 200	4	
BP80383	Cable Tie 300x5	2	
BP42962	Smartbar Warranty Card	1	
BP80609	10X30MZPSS ZP BL SET SCREW	4	
Packed By		Date	

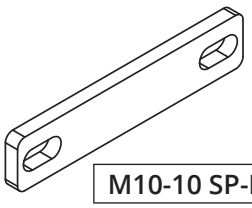
Brackets and Spacers



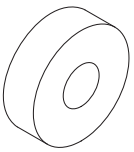
UP001-FBL



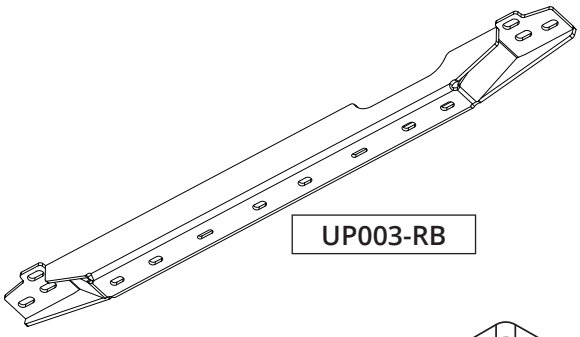
UP001-FBR



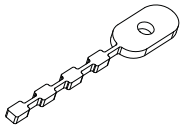
M10-10 SP-L



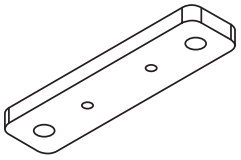
M10-32x10-SP



UP003-RB



x5 M10 Wire Nut - 80



UP001-SBL

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UP002BL003

UP002ABLASSY - FRONT DEFLECTOR

Code	Description	Qty	OK
UP002A	Front Deflector	1	
BP80572	SmartBar Badge - small	1	
Packed By		Date	

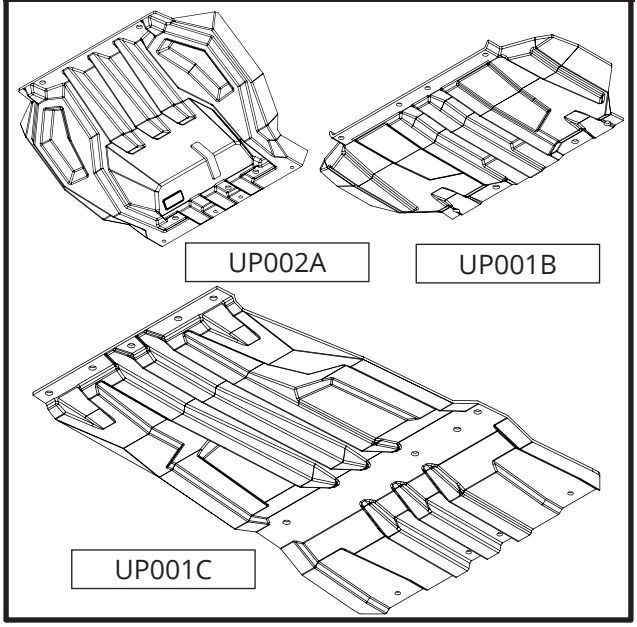
UP001BBLASSY - SUMP COVER

Code	Description	Qty	OK
UP001B	Sump Cover	1	
Packed By		Date	

UP001CBLASSY - TRANSMISSION GUARD

Code	Description	Qty	OK
UP001C	Transmission Guard	1	
Packed By		Date	

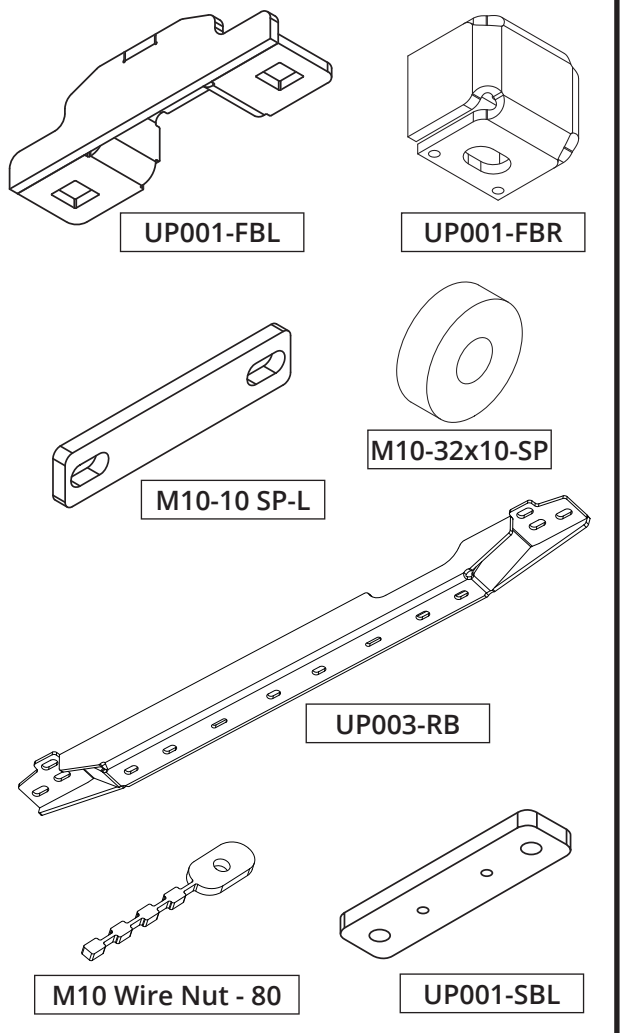
UNDER VEHICLE PROTECTION



UP002BL003

Code	Description	Qty	OK
UP002ABLASSY	Front Deflector	1	
UP001BBLASSY	Sump Cover	1	
UP001CBLASSY	Transmission Guard	1	
Brackets and Spacers - UP003BKA			
MM80993	UP001-FBL	1	
MM80994	UP001-FBR	1	
MM81061	UP003-RB	1	
MM80999	M10-32x10-SP	4	
MM801000	M10-10 SP-L	1	
MM81019	UP001-SBL	1	
MM81020	M10 Wire Nut - 80	5	
Fasteners - UP001HWK			
BP80542	M10 Washer Flat- 30 - Black	22	
BP1093	M10 Washer Flat- 25 - Silver	1	
BP38750	M10 Spring Washer - Black	23	
BP1125	M10 Wiz Lock Nut	4	
BP80591	M10x30 Button Head Socket Screw	2	
BP80592	M10x40 Button Head Socket Screw	14	
BP80593	M10x60 Button Head Socket Screw	6	
BP80594	M10x70 Button Head Socket Screw	1	
BP80326	M6x16 Countersunk Screw	2	
BP80608	M10 Square Cage Nut	2	
MM50834	M10 Wire Nut - 200	4	
BP80383	Cable Tie 300x5	2	
BP42962	Smartbar Warranty Card	1	
BP80609	10X30MZPSS ZP BL SET SCREW	4	
Packed By		Date	

Brackets and Spacers



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