



Vehicle Certification
Agency Europe

VCA Europe S.r.l.
Point - Polo per l'Innovazione Tecnologica
Via Pasubio, 5
24044 Dalmine (BG)
Italy
enquiries@vca-europe.com |
europe.vehicle-certification-agency.gov.uk

Report Number: ESA574763-XLA003452
Issue: 0

This test report shall not be reproduced except in full, without
written approval of the technical service.

Record of decision: Approval/Extension/Revision by paperwork assessment

Legislation

EC regulation 2018/858 as amended by 2021/1445, Annex II, Part III, Appendix III, Item 19, footnote W5 (EC Directive 2007/46/EC as amended by 2015/166, Annex XI, Appendix 3, Item 19A, footnote W5)

Details

Reason for Record: Record only

Manufacturer Details

Name and Address: Tripod Mobility B.V.
Collseweg 10
5674TR Nuenen
Netherlands
Type: K9
Commercial Description: Rifter, Berlingo, Combo life REC
Category: M1 (SPV)

Conclusion

The above mentioned [vehicle / engine / component] was assessed in accordance with the above mentioned legislation and was found to comply without the need for further testing. This report relates only to the items assessed.

Engineer Signature:

Name: Fraser Coulter
Position: Type Approval Engineer
Date: 06 July 2022

List of Annexes

Annex	No of Pages	Subject
I	6	WTORS Drawings



Vehicle Certification
Agency Europe

VCA Europe S.r.l.
Point - Polo per l'Innovazione Tecnologica
Via Pasubio, 5
24044 Dalmine (BG)
Italy
enquiries@vca-europe.com |
europe.vehicle-certification-agency.gov.uk

Report Number: ESA574763-XLA003452
Issue: 0

This test report shall not be reproduced except in full, without
written approval of the technical service.

Issue 0 is original report

Worst Case Rationale / Justification for Approval/Extension/Revision without Test

Tripod Mobility currently have two sets of front tie downs covered by our test reports, these are coded as EF3J/ EF3CJ and EF3H/ EF3CH (non-covered/covered). Tripod wish to add two more alternative front tie down part numbers TDN-13297-A and TDN-13363-B. These are the same restraint as EF3J other than the hook is sewn into the restraint in a different orientation.

The alternative orientation of the hook does warrant a new worst case therefore the original testing conducted under ESU437411-WAV remains valid.

Drawings of the wheelchair tie-downs are attached as Annex 1 for clarity.

**Include references to any derogation footnotes for special purpose or small-series vehicles, and cross-references to any applicable test reports or approvals that demonstrate compliance of the type, with explanation of how they relate to this vehicle / engine / component.*

Note: Include information on variants and versions this report covers, as applicable

Manufacturer's Documentation

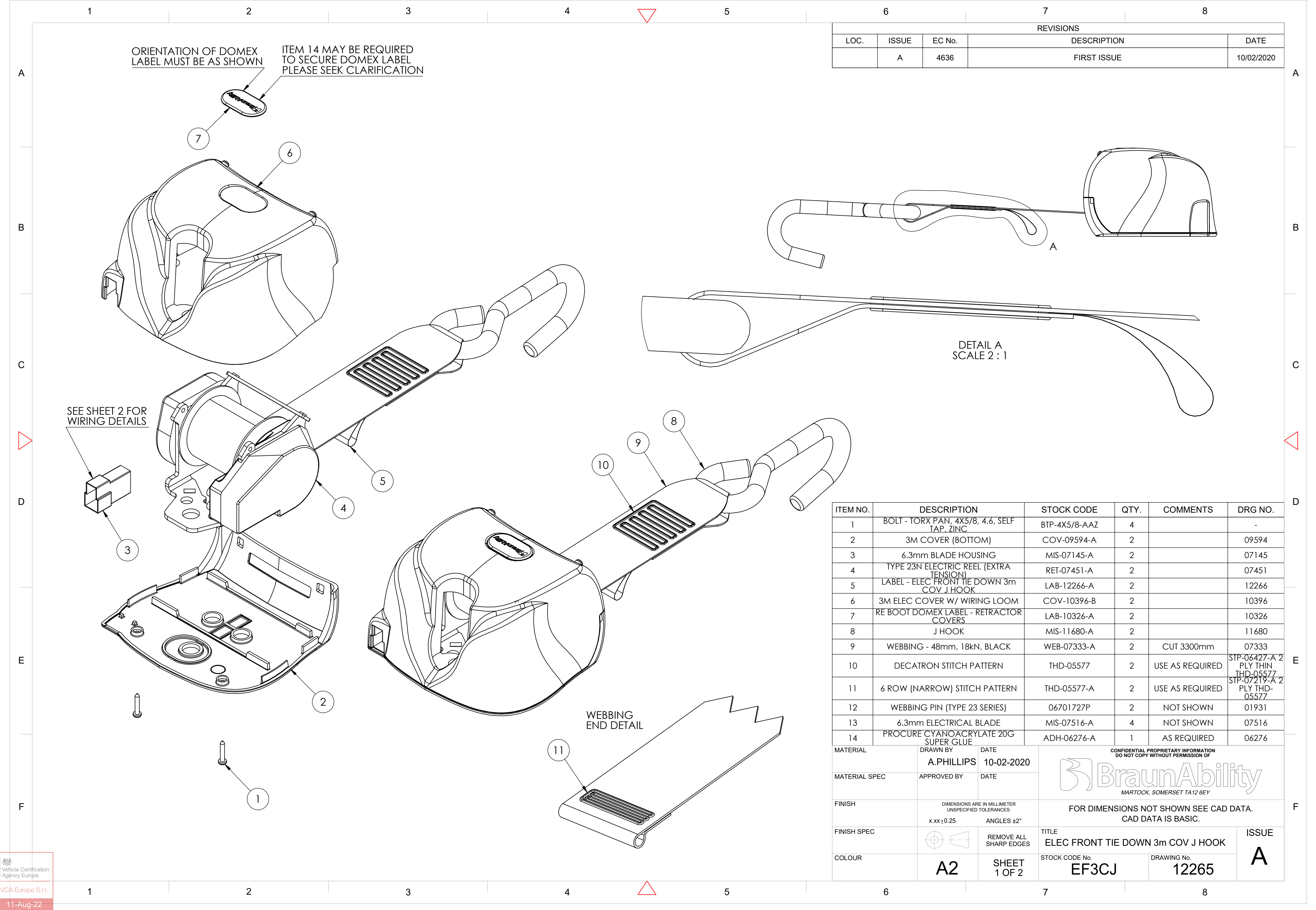
Manufacturer's documentation is complete and reflects the agreed specification for the vehicle / engine / component tested and covers all variants and versions agreed in the worst case rationale. Information document uploaded to job folder and identified by job number.

N/A



Vehicle Certification
Agency Europe

VCA Europe S.r.l.

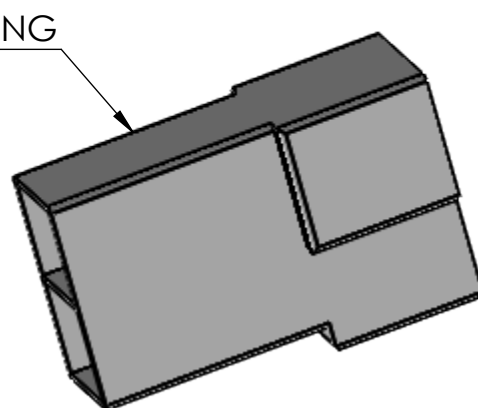
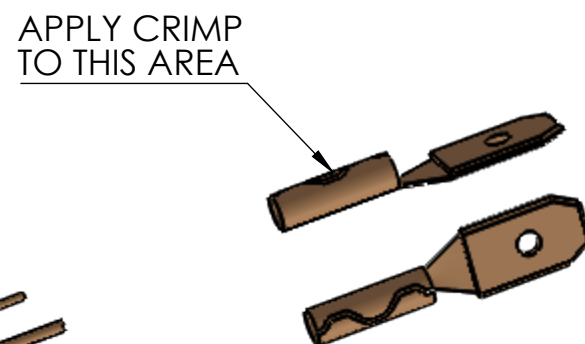
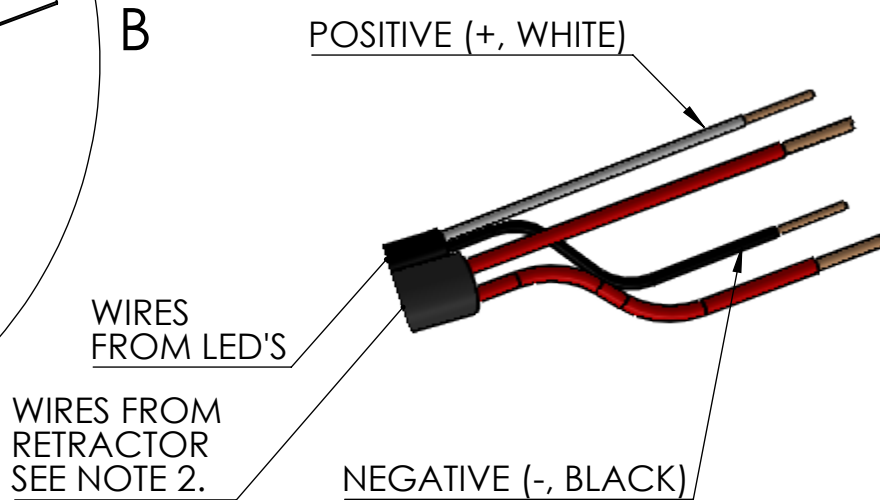
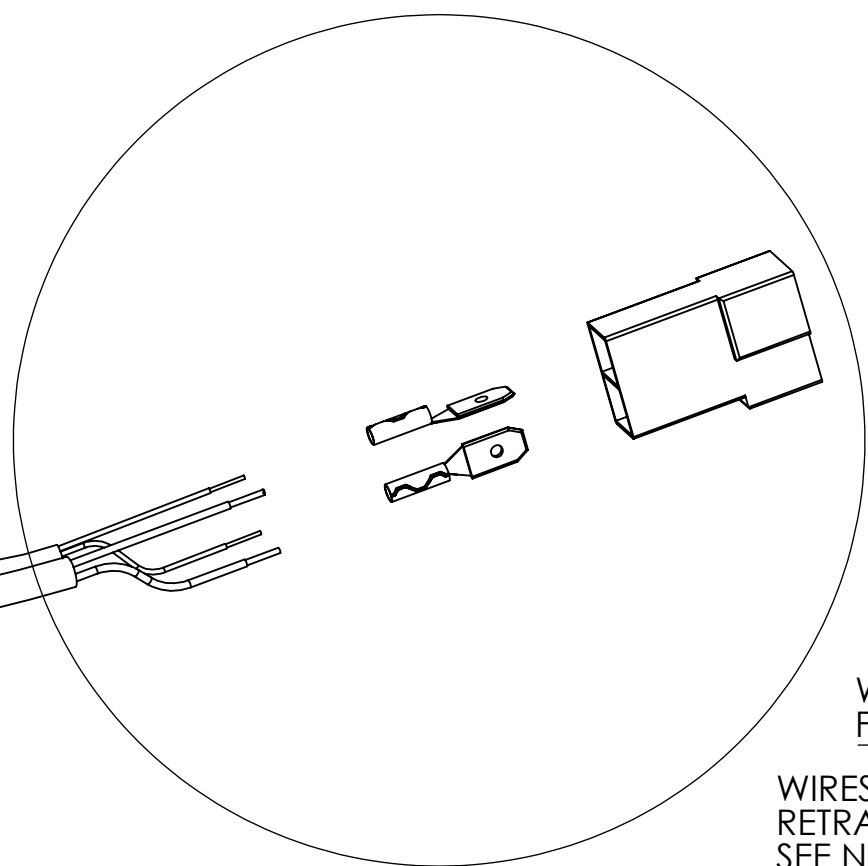
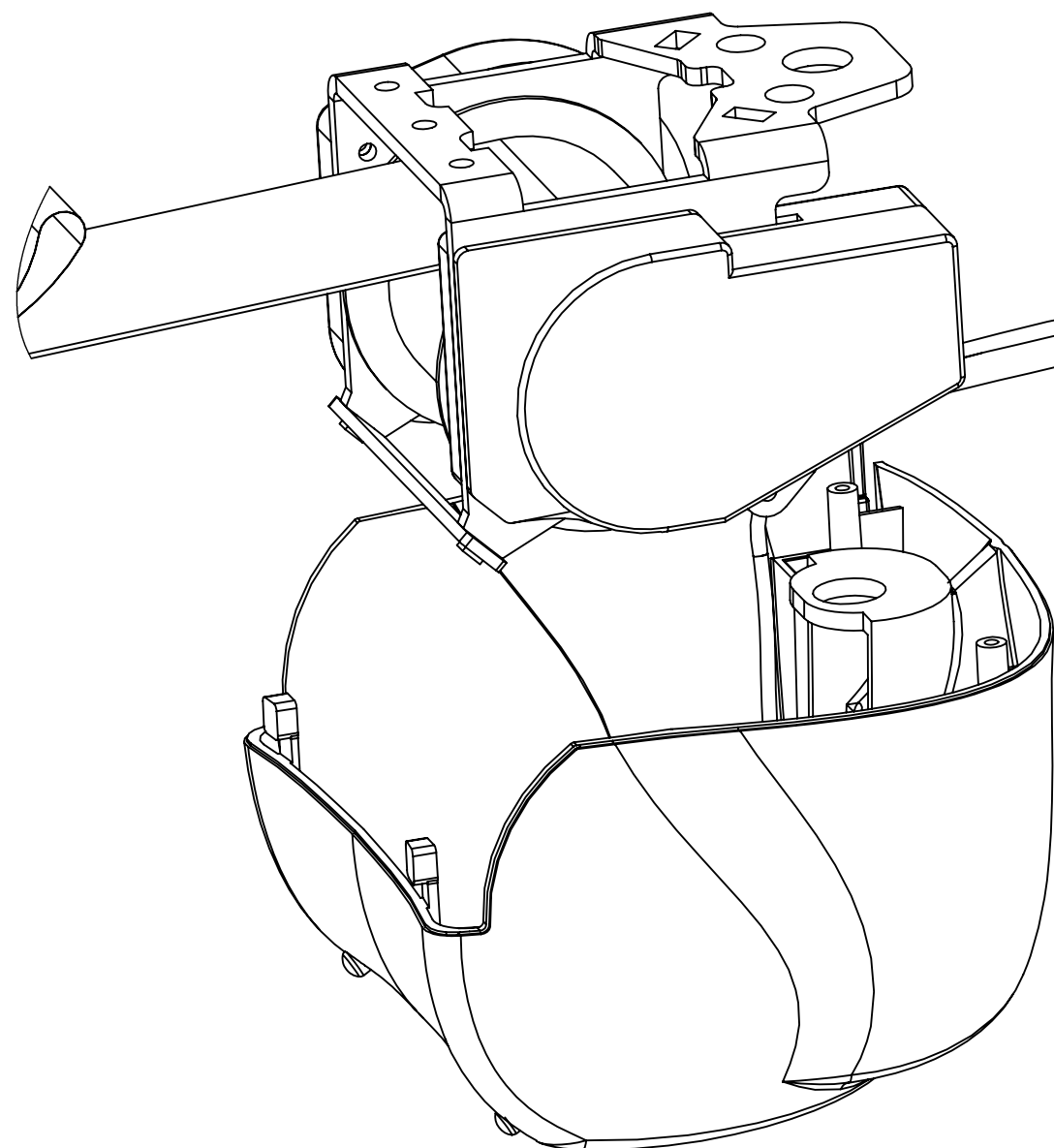
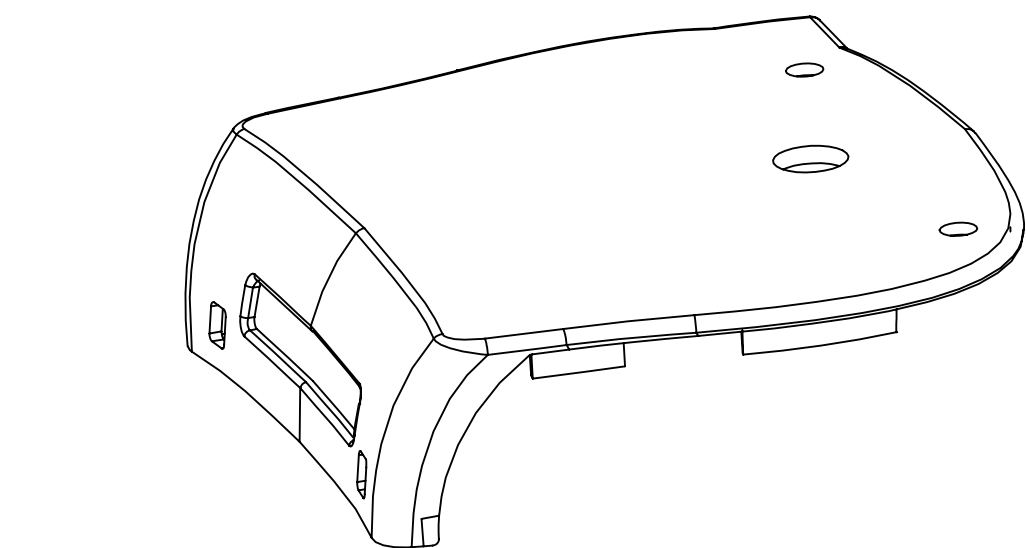
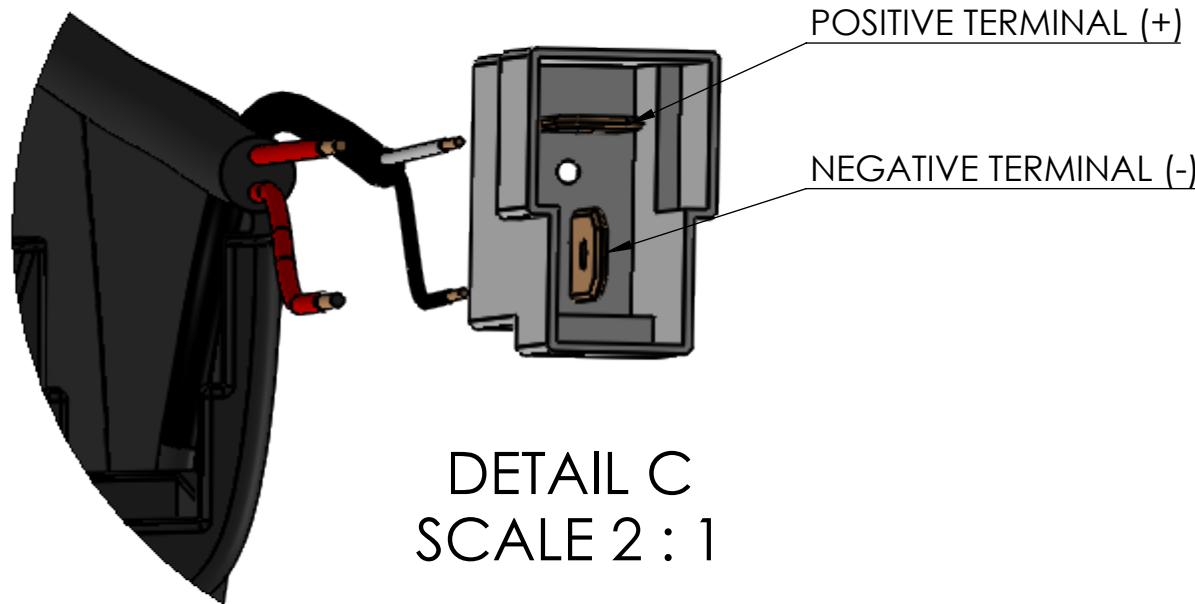
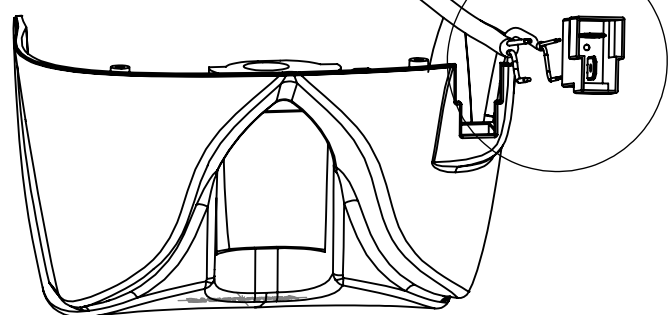
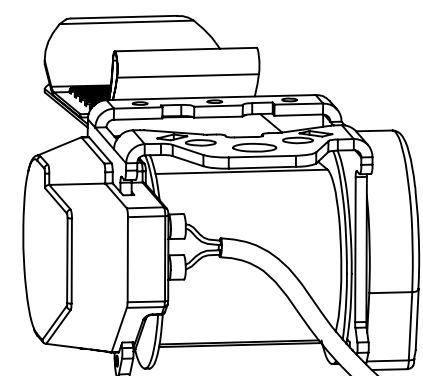


REVISIONS				
LOC.	ISSUE	EC No.	DESCRIPTION	DATE
	A	4636	FIRST ISSUE	10/02/2020

ITEM NO.	DESCRIPTION	STOCK CODE	QTY.	COMMENTS	DRG NO.
1	BOLT - TORX PAN, 4X5/8, 4.6, SELF TAP, ZINC	BTP-4X5/8-AAZ	4		-
2	3M COVER (BOTTOM)	COV-09594-A	2		09594
3	6.3mm BLADE HOUSING	MIS-07145-A	2		07145
4	TYPE 23N ELECTRIC REEL (EXTRA TENSION)	RET-07451-A	2		07451
5	LABEL - ELEC FRONT TIE DOWN 3m COV J HOOK	LAB-12266-A	2		12266
6	3M ELEC COVER W/ WIRING LOOM	COV-10396-B	2		10396
7	RE BOOT DOMEX LABEL - RETRACTOR COVERS	LAB-10326-A	2		10326
8	J HOOK	MIS-11680-A	2		11680
9	WEBBING - 48mm, 18kN, BLACK	WEB-07333-A	2	CUT 3300mm	07333
10	DECATRON STITCH PATTERN	THD-05577	2	USE AS REQUIRED	STP-06427-A 2 PLY THIN THD-05577
11	6 ROW (NARROW) STITCH PATTERN	THD-05577-A	2	USE AS REQUIRED	STP-07219-A 2 PLY THD-05577
12	WEBBING PIN (TYPE 23 SERIES)	06701727P	2	NOT SHOWN	01931
13	6.3mm ELECTRICAL BLADE	MIS-07516-A	4	NOT SHOWN	07516
14	PROCURE CYANOACRYLATE 20G SUPER GLUE	ADH-06276-A	1	AS REQUIRED	06276

MATERIAL	DRAWN BY A.PHILLIPS	DATE 10-02-2020	<div>CONFIDENTIAL PROPRIETARY INFORMATION DO NOT COPY WITHOUT PERMISSION OF</div> <div>BraunAbility</div> <div>MARTOCK, SOMERSET TA12 6EY</div>	
MATERIAL SPEC	APPROVED BY	DATE		
FINISH	DIMENSIONS ARE IN MILLIMETER UNSPECIFIED TOLERANCES: x.xx ±0.25 ANGLES ±2°		FOR DIMENSIONS NOT SHOWN SEE CAD DATA. CAD DATA IS BASIC.	
FINISH SPEC		REMOVE ALL SHARP EDGES	TITLE ELEC FRONT TIE DOWN 3m COV J HOOK	ISSUE A
COLOUR	A2	SHEET 1 OF 2	STOCK CODE No. EF3CJ	DRAWING No. 12265

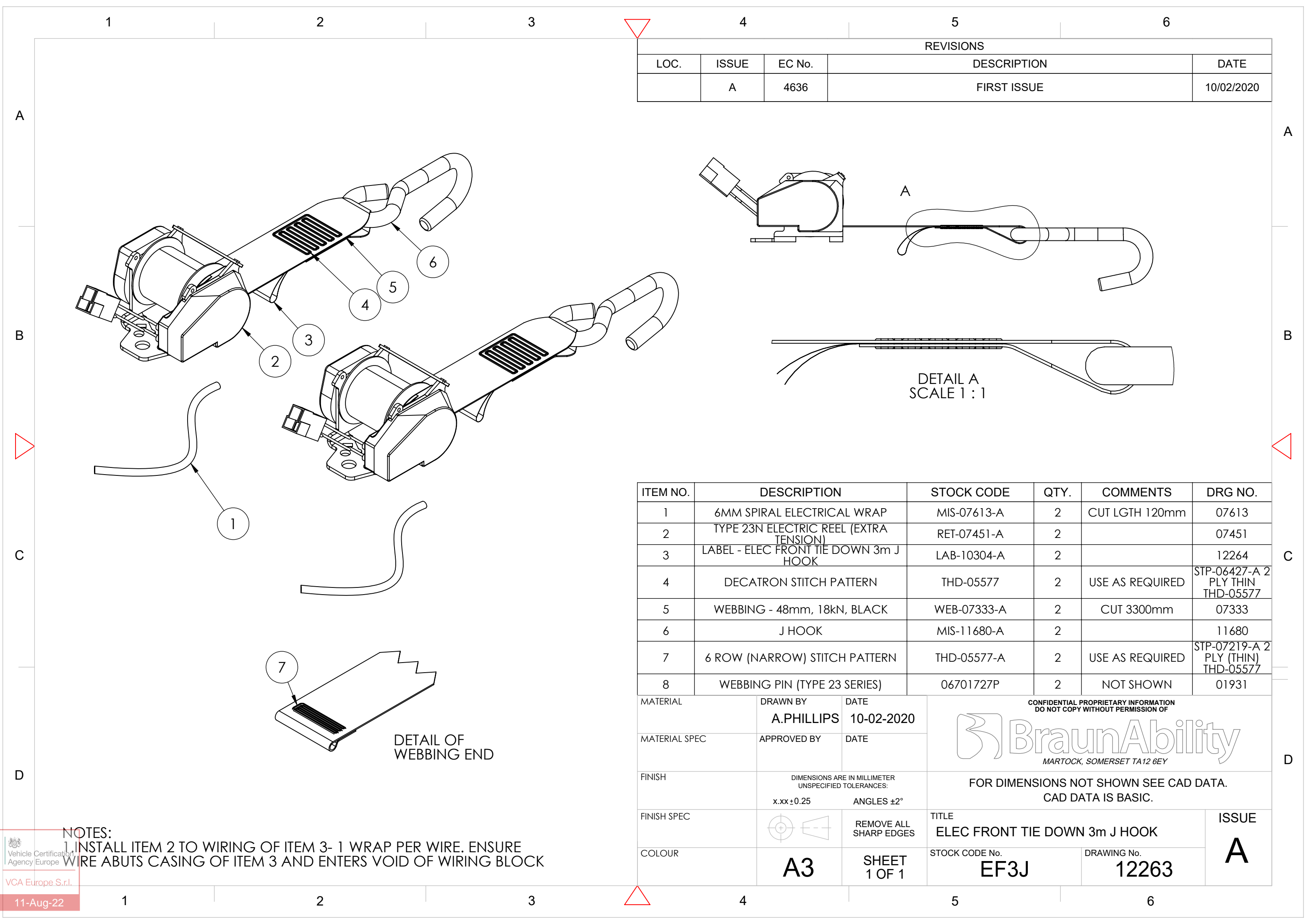
REVISIONS				
LOC.	ISSUE	EC No.	DESCRIPTION	DATE
-	-	-	See Sheet1	-



NOTES:



1. APPROX 6MM OF INSULATION TO BE REMOVED FROM ALL WIRE ENDS PRIOR TO INSTALLATION OF 'SPADE' TERMINALS.
2. THE RETRACTOR WIRING IS NON-POLARITY DEPENDANT. EITHER WIRE CAN BE PAIRED WITH EITHER THE POSITIVE OR NEGATIVE WIRE FROM THE LED LOOM. THE LED WIRES ARE POLARITY DEPENDANT AND MUST BE INSTALLED IN THE TERMINAL HOUSING AS SHOWN ABOVE.
3. EACH PAIR OF WIRES ARE TO BE CRIMPED TOGETHER BY THE 'SPADE' TERMINALS.
4. THE STRENGTH OF THE WIRE / TERMINAL UNION MUST VERIFIED AS SATISFACTORY PRIOR TO INSERTION WITHIN THE TERMINAL HOUSING
5. ENSURE WEBBING IS PASSED THROUGH THE WEBBING SLOT IN THE LOWER PORTION OF THE COVER BEFORE ATTACHING THE HOOK

MATERIAL	DRAWN BY A.PHILLIPS	DATE 10-02-2020	<div>CONFIDENTIAL PROPRIETARY INFORMATION DO NOT COPY WITHOUT PERMISSION OF</div> <div>MARTOCK, SOMERSET TA12 6EY</div>	
MATERIAL SPEC	APPROVED BY	DATE		
FINISH	DIMENSIONS ARE IN MILLIMETER UNSPECIFIED TOLERANCES: x.xx ±0.25 ANGLES ±2°		FOR DIMENSIONS NOT SHOWN SEE CAD DATA. CAD DATA IS BASIC.	
FINISH SPEC		REMOVE ALL SHARP EDGES	TITLE ELEC FRONT TIE DOWN 3m COV J HOOK	ISSUE A
COLOUR	A2	SHEET 2 OF 2	STOCK CODE No. EF3CJ	DRAWING No. 12265



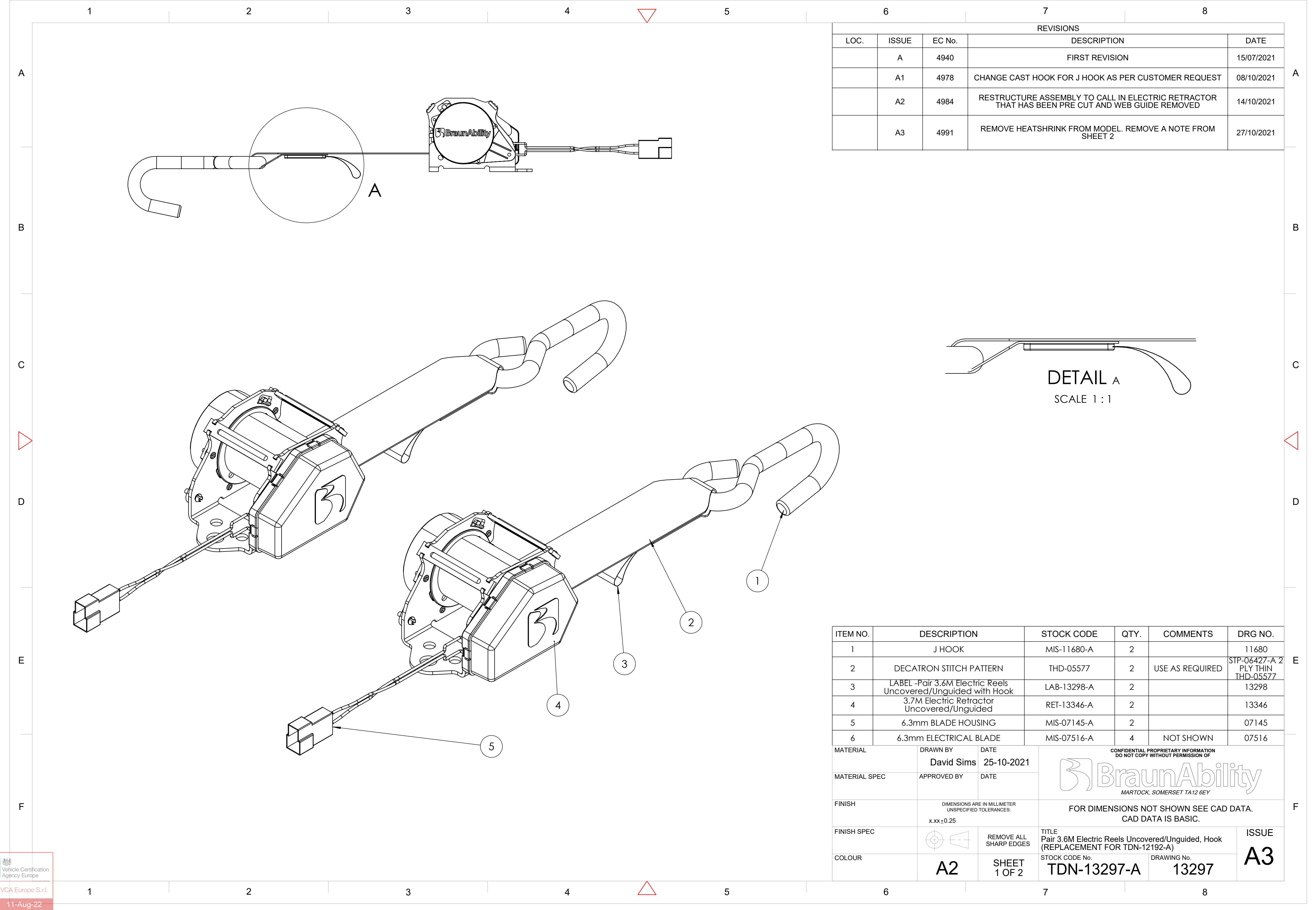
REVISIONS				
LOC.	ISSUE	EC No.	DESCRIPTION	DATE
	A	4636	FIRST ISSUE	10/02/2020

ITEM NO.	DESCRIPTION	STOCK CODE	QTY.	COMMENTS	DRG NO.
1	6MM SPIRAL ELECTRICAL WRAP	MIS-07613-A	2	CUT LGTH 120mm	07613
2	TYPE 23N ELECTRIC REEL (EXTRA TENSION)	RET-07451-A	2		07451
3	LABEL - ELEC FRONT TIE DOWN 3m J HOOK	LAB-10304-A	2		12264
4	DECATRON STITCH PATTERN	THD-05577	2	USE AS REQUIRED	STP-06427-A 2 PLY THIN THD-05577
5	WEBBING - 48mm, 18kN, BLACK	WEB-07333-A	2	CUT 3300mm	07333
6	J HOOK	MIS-11680-A	2		11680
7	6 ROW (NARROW) STITCH PATTERN	THD-05577-A	2	USE AS REQUIRED	STP-07219-A 2 PLY (THIN) THD-05577
8	WEBBING PIN (TYPE 23 SERIES)	06701727P	2	NOT SHOWN	01931

MATERIAL	DRAWN BY A.PHILLIPS	DATE 10-02-2020	<div>CONFIDENTIAL PROPRIETARY INFORMATION DO NOT COPY WITHOUT PERMISSION OF</div> <div> BraunAbility</div> <div>MARTOCK, SOMERSET TA12 6EY</div>		
MATERIAL SPEC	APPROVED BY	DATE			
FINISH	DIMENSIONS ARE IN MILLIMETER UNSPECIFIED TOLERANCES: x.xx ±0.25 ANGLES ±2°				
FINISH SPEC		REMOVE ALL SHARP EDGES	TITLE ELEC FRONT TIE DOWN 3m J HOOK		ISSUE A
COLOUR	A3	SHEET 1 OF 1	STOCK CODE No. EF3J	DRAWING No. 12263	

NOTES:
1. INSTALL ITEM 2 TO WIRING OF ITEM 3- 1 WRAP PER WIRE. ENSURE WIRE ABUTS CASING OF ITEM 3 AND ENTERS VOID OF WIRING BLOCK


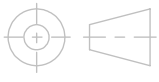
Vehicle Certification Agency Europe
VCA Europe S.r.l.
11-Aug-22



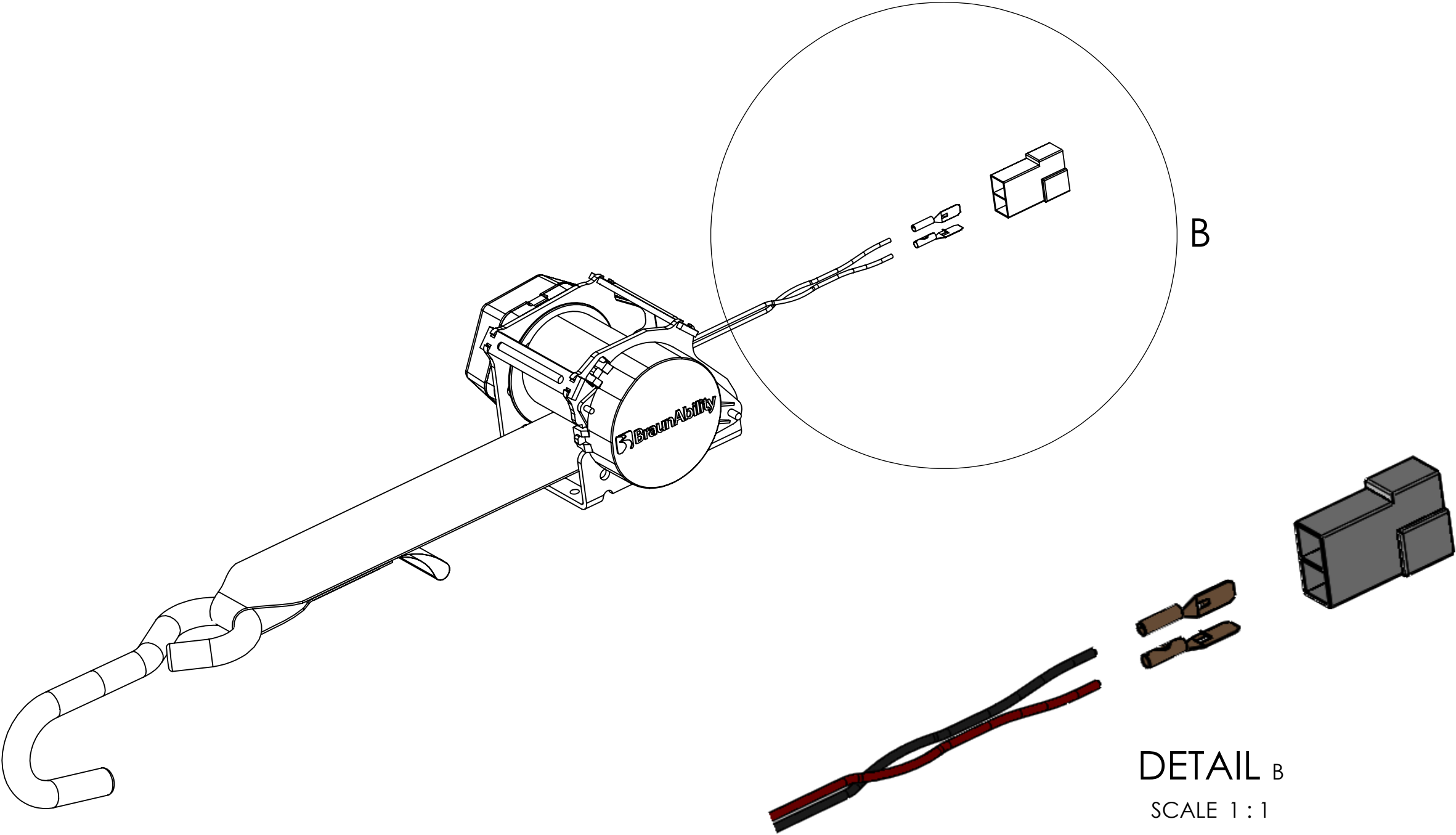
REVISIONS				
LOC.	ISSUE	EC No.	DESCRIPTION	DATE
	A	4940	FIRST REVISION	15/07/2021
	A1	4978	CHANGE CAST HOOK FOR J HOOK AS PER CUSTOMER REQUEST	08/10/2021
	A2	4984	RESTRUCTURE ASSEMBLY TO CALL IN ELECTRIC RETRACTOR THAT HAS BEEN PRE CUT AND WEB GUIDE REMOVED	14/10/2021
	A3	4991	REMOVE HEATSHRINK FROM MODEL. REMOVE A NOTE FROM SHEET 2	27/10/2021



ITEM NO.	DESCRIPTION	STOCK CODE	QTY.	COMMENTS	DRG NO.
1	J HOOK	MIS-11680-A	2		11680
2	DECATRON STITCH PATTERN	THD-05577	2	USE AS REQUIRED	STP-06427-A 2 PLY THIN THD-05577
3	LABEL -Pair 3.6M Electric Reels Uncovered/Unguided with Hook	LAB-13298-A	2		13298
4	3.7M Electric Retractor Uncovered/Unguided	RET-13346-A	2		13346
5	6.3mm BLADE HOUSING	MIS-07145-A	2		07145
6	6.3mm ELECTRICAL BLADE	MIS-07516-A	4	NOT SHOWN	07516




MATERIAL	DRAWN BY David Sims	DATE 25-10-2021	CONFIDENTIAL PROPRIETARY INFORMATION DO NOT COPY WITHOUT PERMISSION OF  MARTOCK, SOMERSET TA12 6EY		
MATERIAL SPEC	APPROVED BY	DATE			
FINISH	DIMENSIONS ARE IN MILLIMETER UNSPECIFIED TOLERANCES: x.xx ±0.25		FOR DIMENSIONS NOT SHOWN SEE CAD DATA. CAD DATA IS BASIC.		
FINISH SPEC		REMOVE ALL SHARP EDGES	TITLE Pair 3.6M Electric Reels Uncovered/Unguided, Hook (REPLACEMENT FOR TDN-12192-A)		ISSUE A3
COLOUR	A2	SHEET 1 OF 2	STOCK CODE No. TDN-13297-A	DRAWING No. 13297	

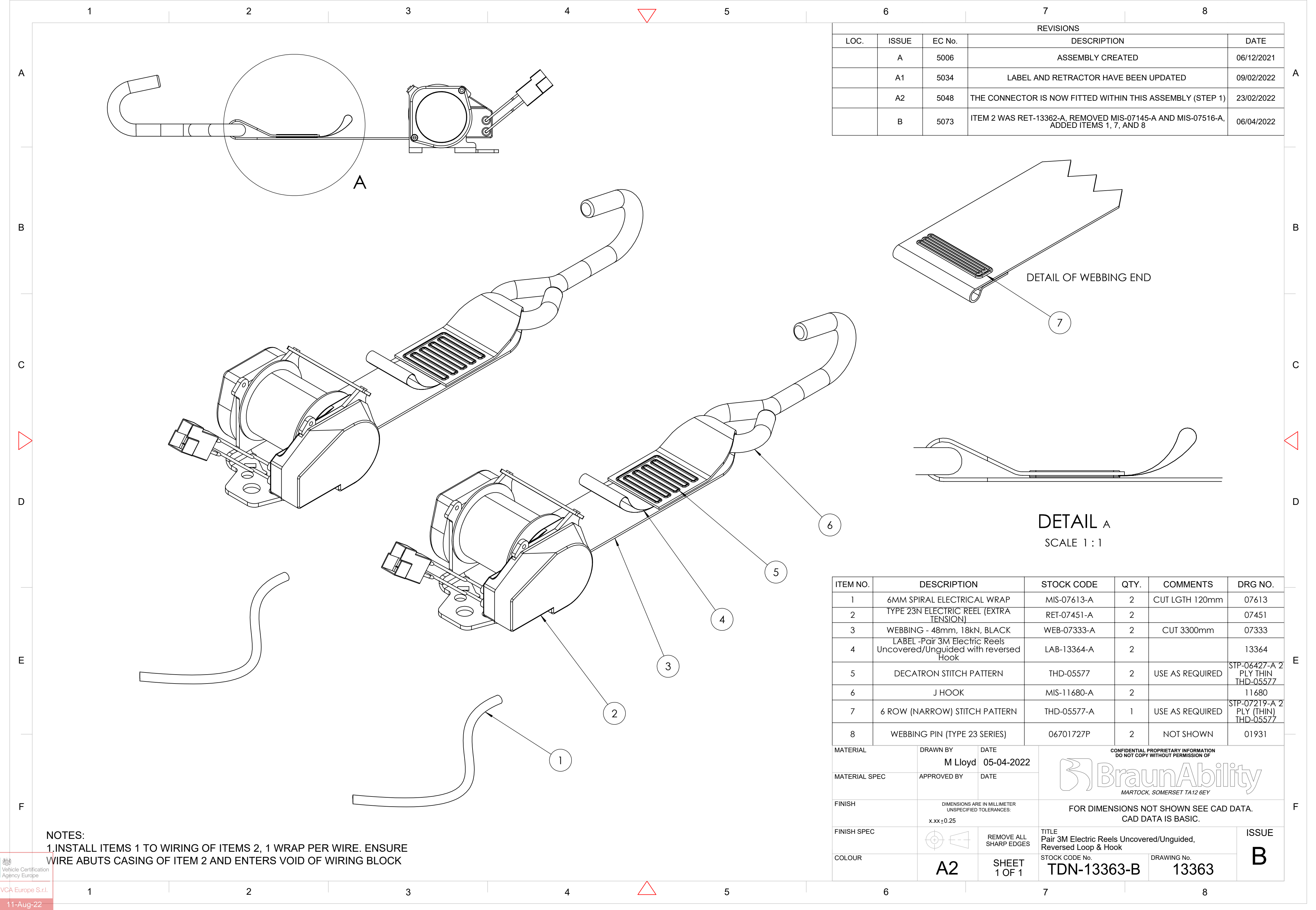
REVISIONS				
LOC.	ISSUE	EC No.	DESCRIPTION	DATE
-	-	-	See Sheet1	-



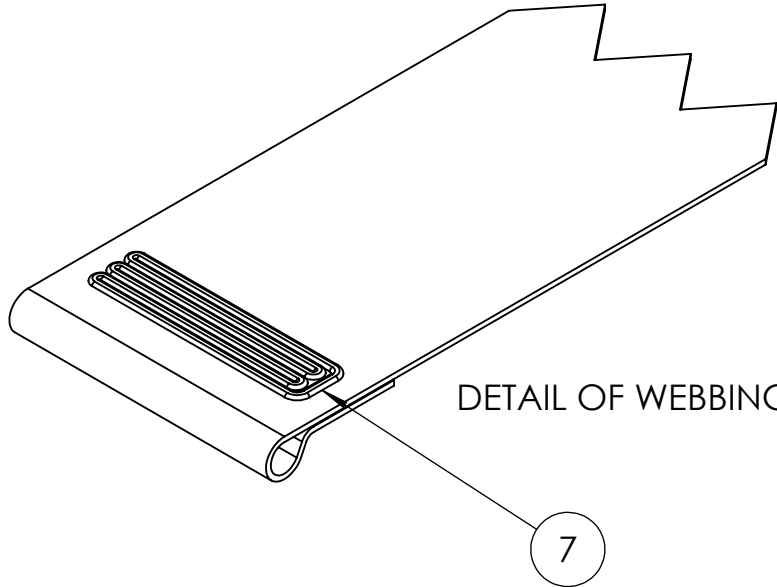
PLEASE ENSURE THAT THE BLACK WIRE
IS USED IN THE TOP OF THE CONNECTOR

- NOTES:
- 1) STRIP BACK THE INSULATION OF EACH WIRE BY 6MM FROM THE WIRE ENDS PRIOR TO INSTALLATION OF THE SPADE TERMINALS.
 - 2)THE RETRACTOR WIRING IS SHOWN AS ABOVE WITH THE BLACK WIRE BEING INSERTED IN THE UPPER PART OF THE CONNECTOR .
 - 3) ONCE THE WIRING HAS BEEN CRIMPED, CHECK THE STRENGTH OF THE CRIMP BY PULLING ON THE WIRES FIRMLY TO ENSURE THEY ARENT GOING TO COME OUT.

MATERIAL	DRAWN BY David Sims	DATE 25-10-2021	<div>CONFIDENTIAL PROPRIETARY INFORMATION DO NOT COPY WITHOUT PERMISSION OF</div>  <div>MARTOCK, SOMERSET TA12 6EY</div>	
MATERIAL SPEC	APPROVED BY	DATE		
FINISH	DIMENSIONS ARE IN MILLIMETER UNSPECIFIED TOLERANCES: x.xx±0.25		FOR DIMENSIONS NOT SHOWN SEE CAD DATA. CAD DATA IS BASIC.	
FINISH SPEC	 	REMOVE ALL SHARP EDGES	TITLE Pair 3.6M Electric Reels Uncovered/Unguided, Hook (REPLACEMENT FOR TDN-12192-A)	ISSUE A3
COLOUR	A2	SHEET 2 OF 2	STOCK CODE No. TDN-13297-A	DRAWING No. 13297



REVISIONS				
LOC.	ISSUE	EC No.	DESCRIPTION	DATE
	A	5006	ASSEMBLY CREATED	06/12/2021
	A1	5034	LABEL AND RETRACTOR HAVE BEEN UPDATED	09/02/2022
	A2	5048	THE CONNECTOR IS NOW FITTED WITHIN THIS ASSEMBLY (STEP 1)	23/02/2022
	B	5073	ITEM 2 WAS RET-13362-A, REMOVED MIS-07145-A AND MIS-07516-A, ADDED ITEMS 1, 7, AND 8	06/04/2022



DETAIL A
SCALE 1 : 1

ITEM NO.	DESCRIPTION	STOCK CODE	QTY.	COMMENTS	DRG NO.
1	6MM SPIRAL ELECTRICAL WRAP	MIS-07613-A	2	CUT LGTH 120mm	07613
2	TYPE 23N ELECTRIC REEL (EXTRA TENSION)	RET-07451-A	2		07451
3	WEBBING - 48mm, 18kN, BLACK	WEB-07333-A	2	CUT 3300mm	07333
4	LABEL -Pair 3M Electric Reels Uncovered/Unguided with reversed Hook	LAB-13364-A	2		13364
5	DECATRON STITCH PATTERN	THD-05577	2	USE AS REQUIRED	STP-06427-A 2 PLY THIN THD-05577 11680
6	J HOOK	MIS-11680-A	2		
7	6 ROW (NARROW) STITCH PATTERN	THD-05577-A	1	USE AS REQUIRED	STP-07219-A 2 PLY (THIN) THD-05577
8	WEBBING PIN (TYPE 23 SERIES)	06701727P	2	NOT SHOWN	01931

MATERIAL	DRAWN BY M Lloyd	DATE 05-04-2022	CONFIDENTIAL PROPRIETARY INFORMATION DO NOT COPY WITHOUT PERMISSION OF MARTOCK, SOMERSET TA12 6EY	
MATERIAL SPEC	APPROVED BY	DATE		
FINISH	DIMENSIONS ARE IN MILLIMETER UNSPECIFIED TOLERANCES: x.xx ±0.25		FOR DIMENSIONS NOT SHOWN SEE CAD DATA. CAD DATA IS BASIC.	
FINISH SPEC		REMOVE ALL SHARP EDGES	TITLE Pair 3M Electric Reels Uncovered/Unguided, Reversed Loop & Hook	ISSUE B
COLOUR	A2	SHEET 1 OF 1	STOCK CODE No. TDN-13363-B	DRAWING No. 13363

NOTES:
1.INSTALL ITEMS 1 TO WIRING OF ITEMS 2, 1 WRAP PER WIRE. ENSURE WIRE ABUTS CASING OF ITEM 2 AND ENTERS VOID OF WIRING BLOCK