



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 |



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

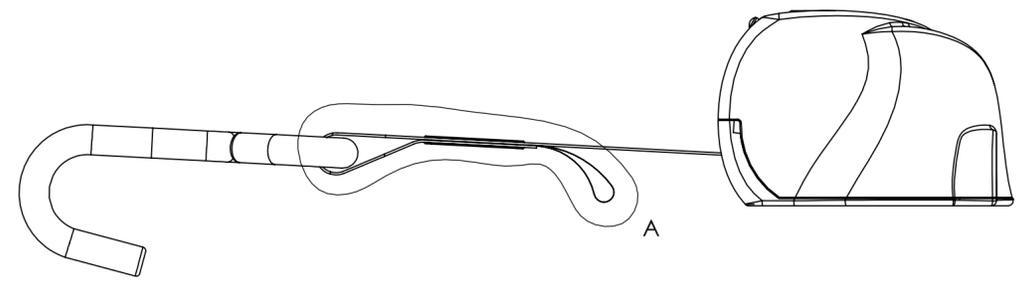
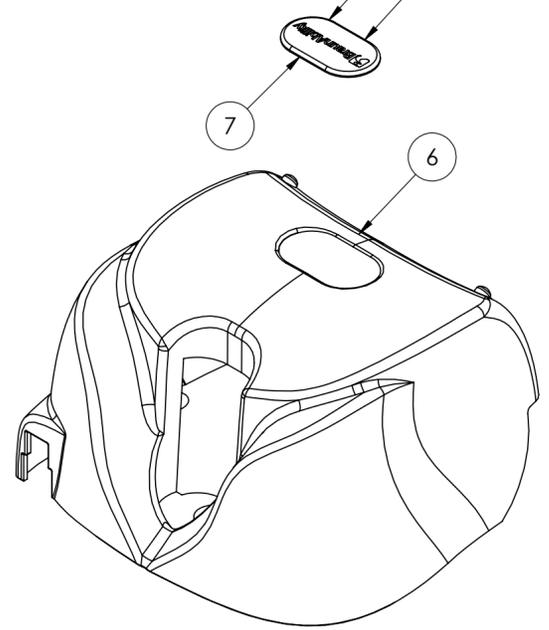
Manufacturer's documentation is complete and reflects the agreed specification for the vehicle / engine / component tested and covers all variants and versions agreed in the worst case rationale. Information document uploaded to job folder and identified by job number.

N/A

1 2 3 4 5 6 7 8

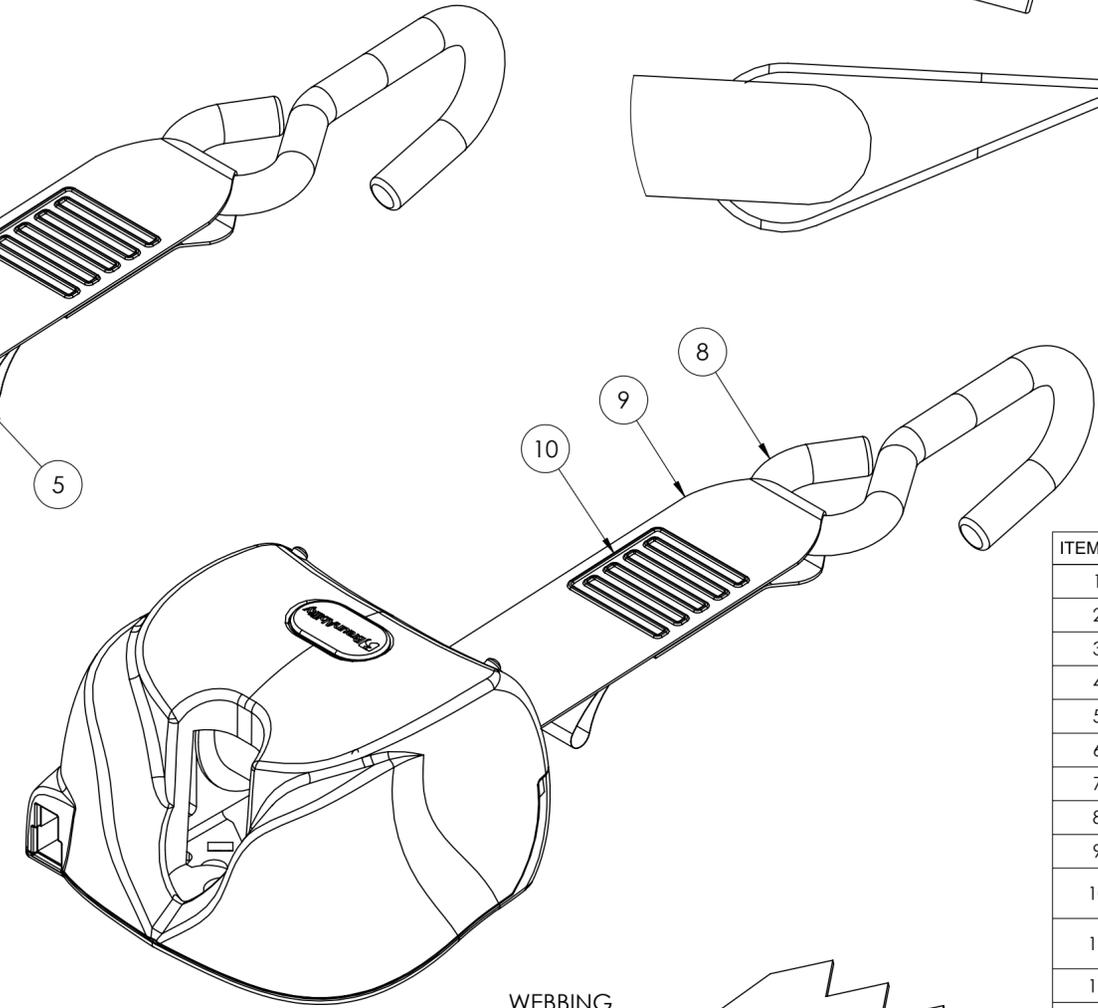
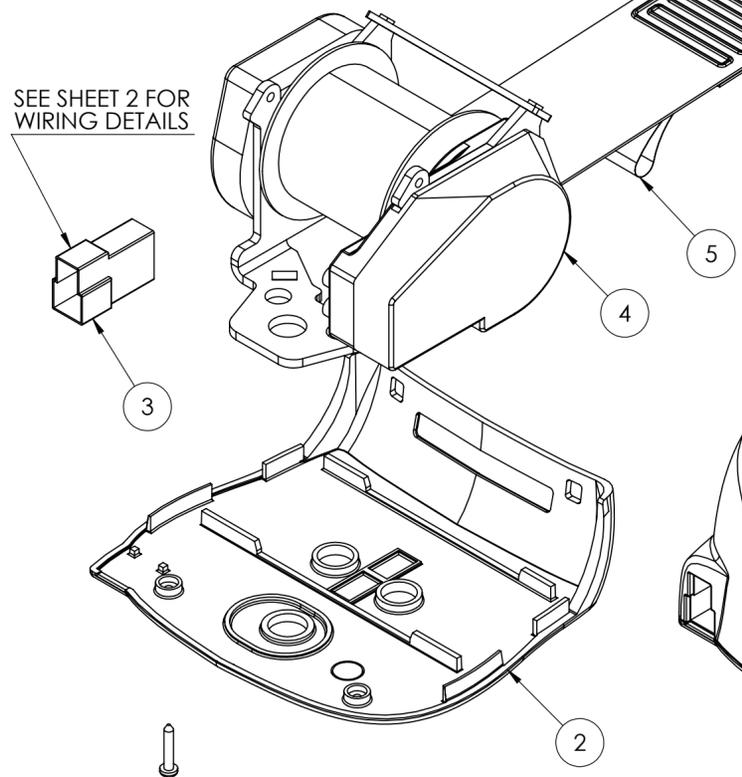
| REVISIONS | | | | |
|-----------|-------|--------|-------------|------------|
| LOC. | ISSUE | EC No. | DESCRIPTION | DATE |
| | A | 4636 | FIRST ISSUE | 10/02/2020 |

ORIENTATION OF DOMEX LABEL MUST BE AS SHOWN
 ITEM 14 MAY BE REQUIRED TO SECURE DOMEX LABEL PLEASE SEEK CLARIFICATION



DETAIL A
SCALE 2 : 1

SEE SHEET 2 FOR WIRING DETAILS



WEBBING END DETAIL

| 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 | <small>CONFIDENTIAL PROPRIETARY INFORMATION DO NOT COPY WITHOUT PERMISSION OF</small> MARTOCK, SOMERSET TA12 8EY | | |
| 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 | |

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

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

A

B

C

D

E

F

A

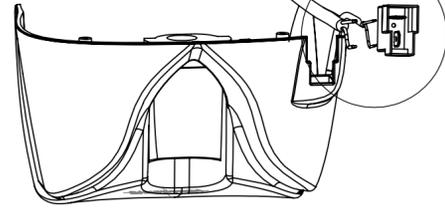
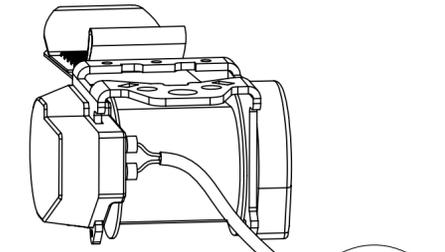
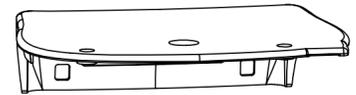
B

C

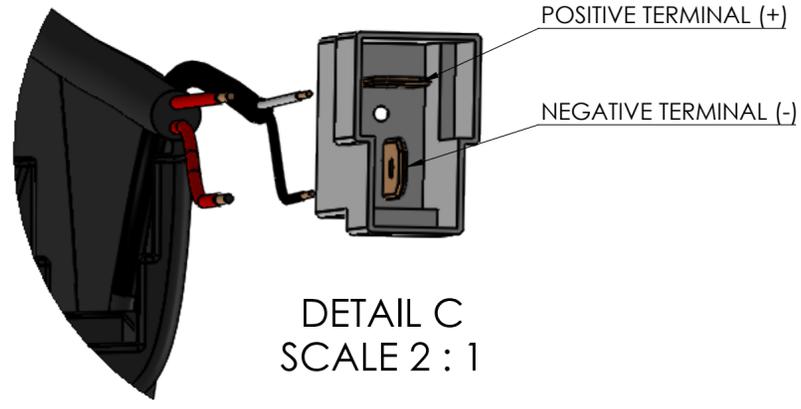
D

E

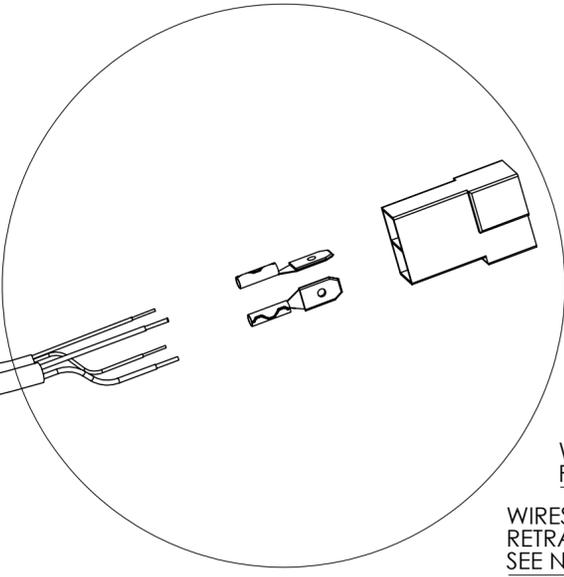
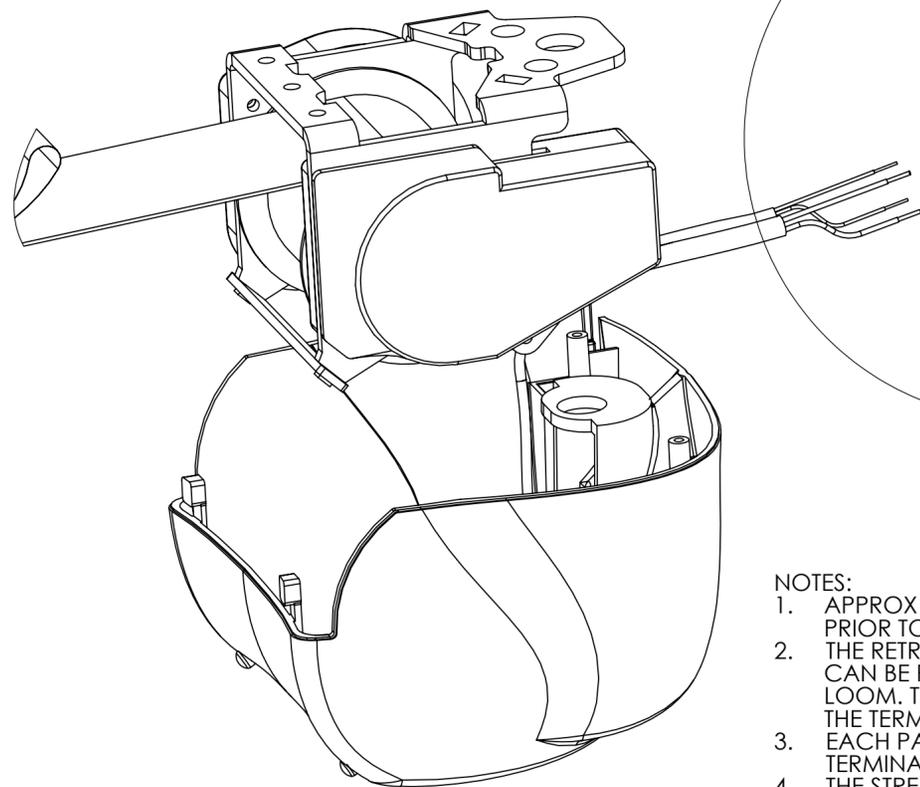
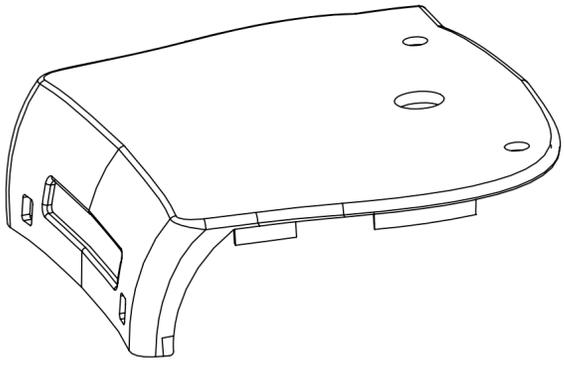
F



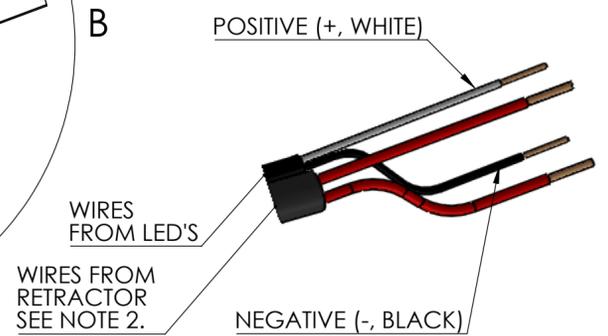
C



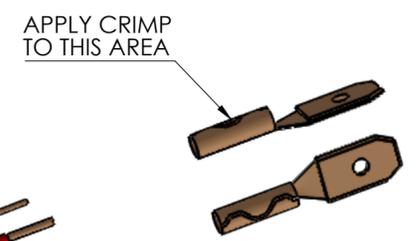
DETAIL C
SCALE 2 : 1



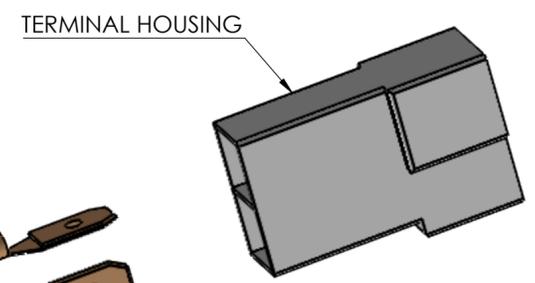
B



DETAIL B
SCALE 2 : 1.2



APPLY CRIMP TO THIS AREA



TERMINAL HOUSING

NOTES:

- APPROX 6MM OF INSULATION TO BE REMOVED FROM ALL WIRE ENDS PRIOR TO INSTALLATION OF 'SPADE' TERMINALS.
- 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.
- EACH PAIR OF WIRES ARE TO BE CRIMPED TOGETHER BY THE 'SPADE' TERMINALS.
- THE STRENGTH OF THE WIRE / TERMINAL UNION MUST VERIFIED AS SATISFACTORY PRIOR TO INSERTION WITHIN THE TERMINAL HOUSING
- 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 | <small>CONFIDENTIAL PROPRIETARY INFORMATION DO NOT COPY WITHOUT PERMISSION OF</small> <small>MARTOCK, SOMERSET TA12 8EY</small> | |
| MATERIAL SPEC | APPROVED BY | DATE | | |
| FINISH | <small>DIMENSIONS ARE IN MILLIMETER UNSPECIFIED TOLERANCES:</small> x.xx ±0.25 ANGLES ±2° | | <small>FOR DIMENSIONS NOT SHOWN SEE CAD DATA. CAD DATA IS BASIC.</small> | |
| 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 |

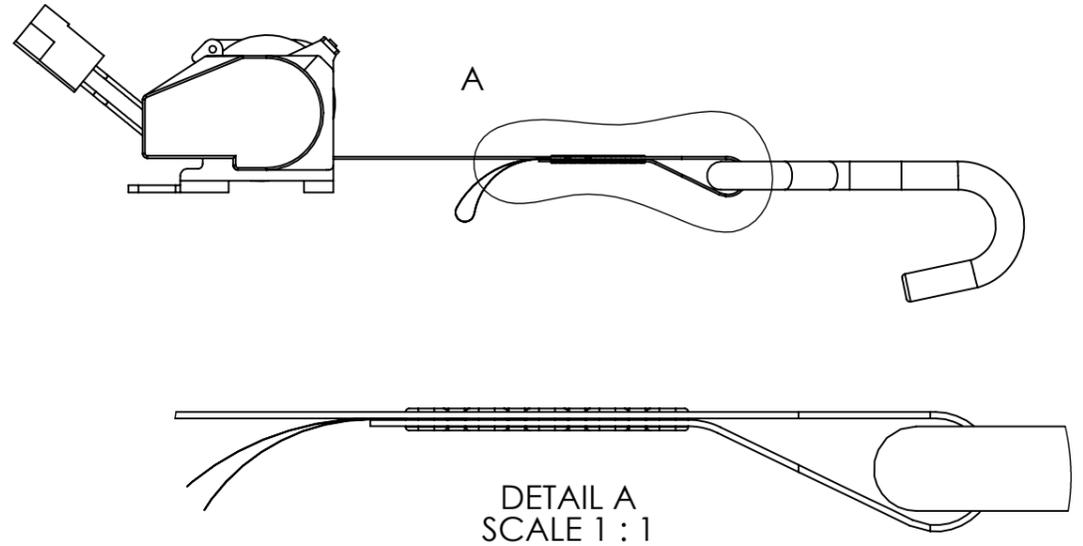
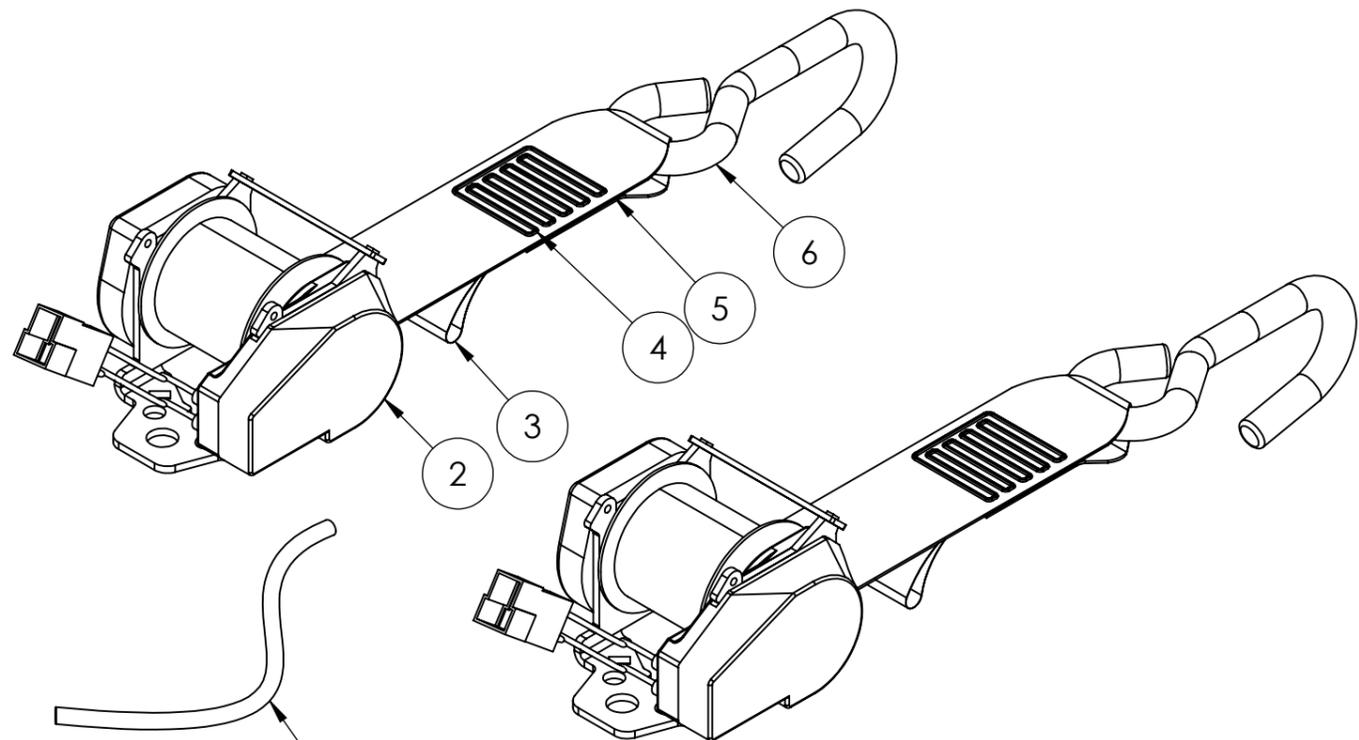
1 2 3 4 5 6 7 8

1 2 3 4 5 6

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

A

A



B

B

C

C

| 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 |

D

D

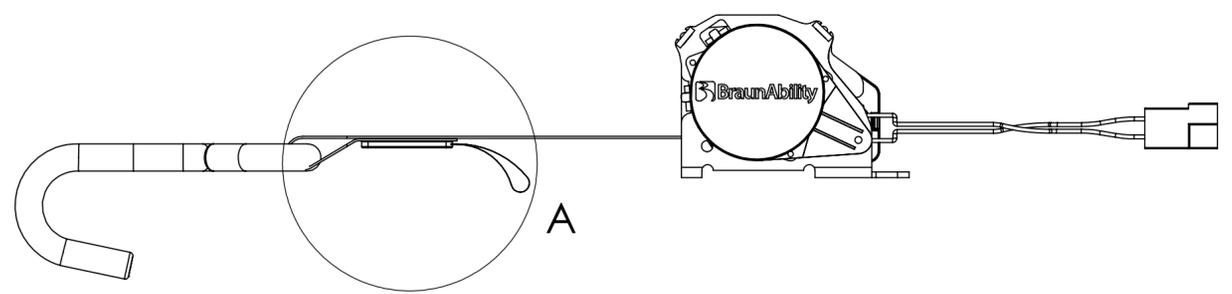


NOTES:
1. INSTALL ITEM 2 TO WIRING OF ITEM 3- 1 WRAP PER WIRE. ENSURE WIRE ABUTS CASING OF ITEM 3 AND ENTERS VOID OF WIRING BLOCK

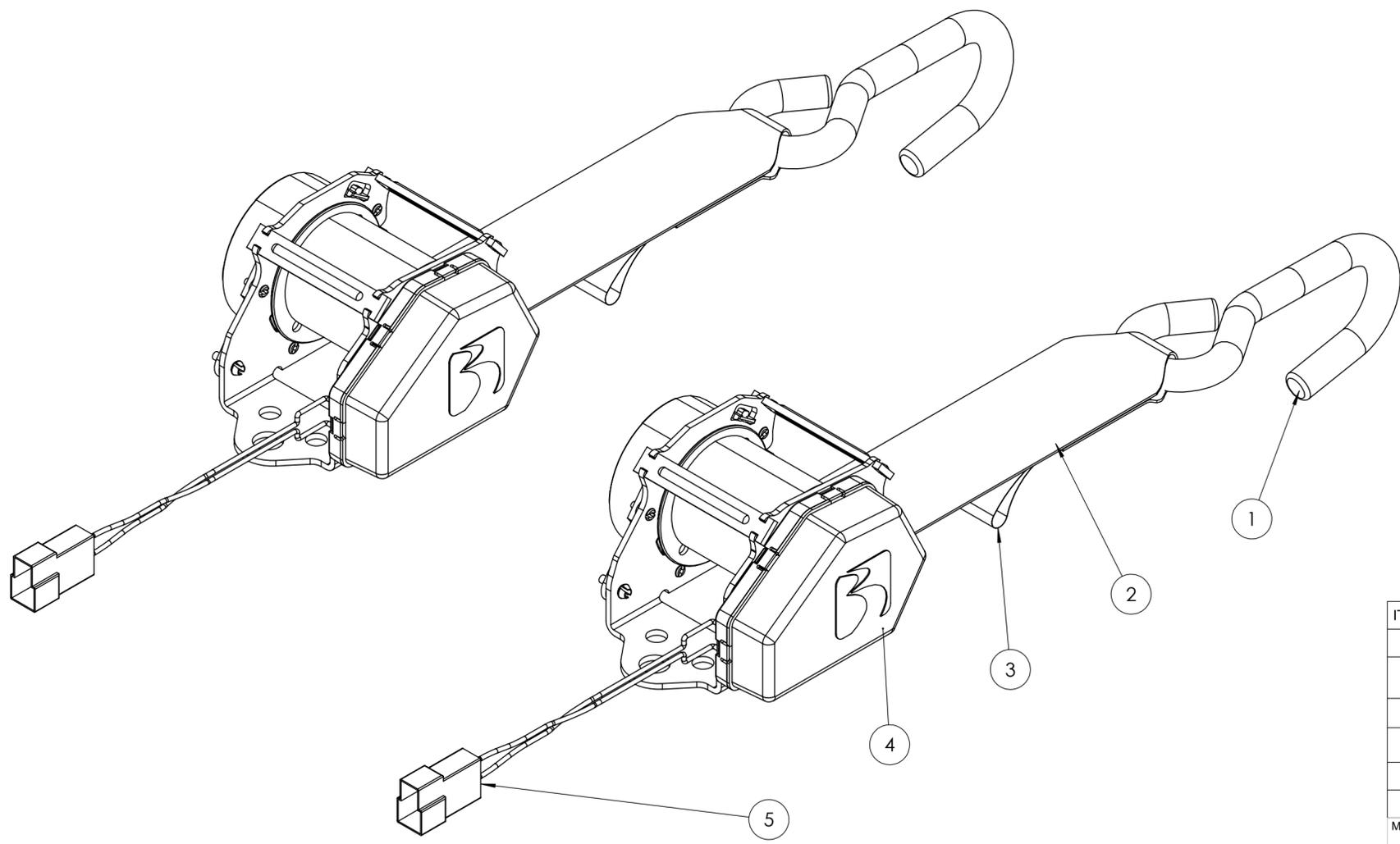
Vehicle Certification Agency Europe
VCA Europe S.r.l.
11-Aug-22

| | | | | | |
|---------------------|---|---------------------------|--|-----------------------------|--|
| MATERIAL | DRAWN BY A.PHILLIPS | DATE 10-02-2020 | 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 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 J HOOK | ISSUE A | |
| COLOUR A3 | SHEET 1 OF 1 | TITLE EF3J | STOCK CODE No. 12263 | DRAWING No. 12263 | |

1 2 3 4 5 6



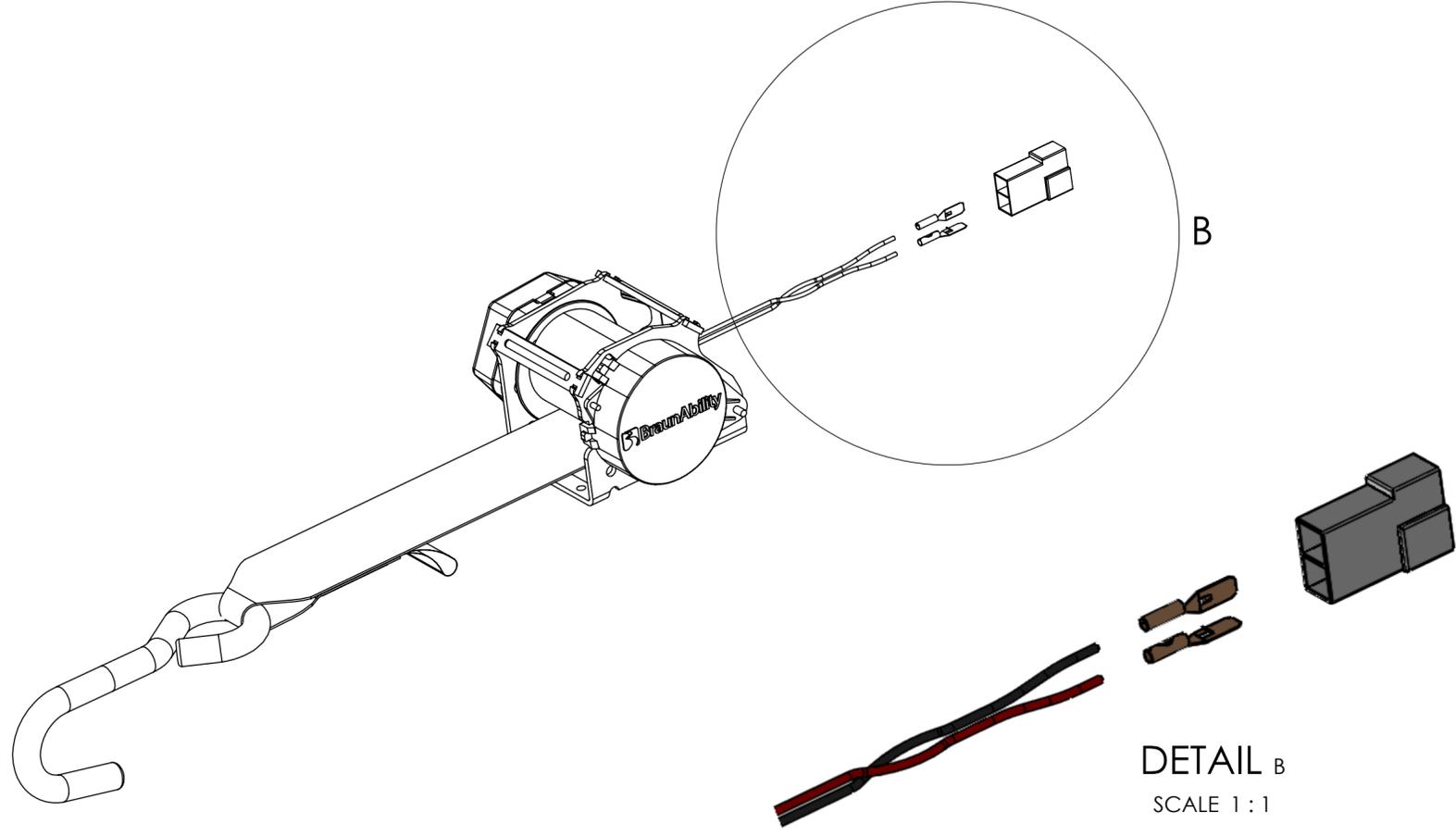
| REVISIONS | | | | |
|-----------|-------|--------|--|------------|
| LOC. | ISSUE | EC No. | DESCRIPTION | DATE |
| | A | 4940 | FIRST REVISION | 15/07/2021 |
| | A1 | 4978 | CHANGE CAST HOOK FOR J HOOK AS PER CUSTOMER REQUEST | 08/10/2021 |
| | A2 | 4984 | RESTRUCTURE ASSEMBLY TO CALL IN ELECTRIC 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 | <small>CONFIDENTIAL PROPRIETARY INFORMATION DO NOT COPY WITHOUT PERMISSION OF</small> <small>MARTOCK, SOMERSET TA12 6EY</small> | | |
| 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 | |

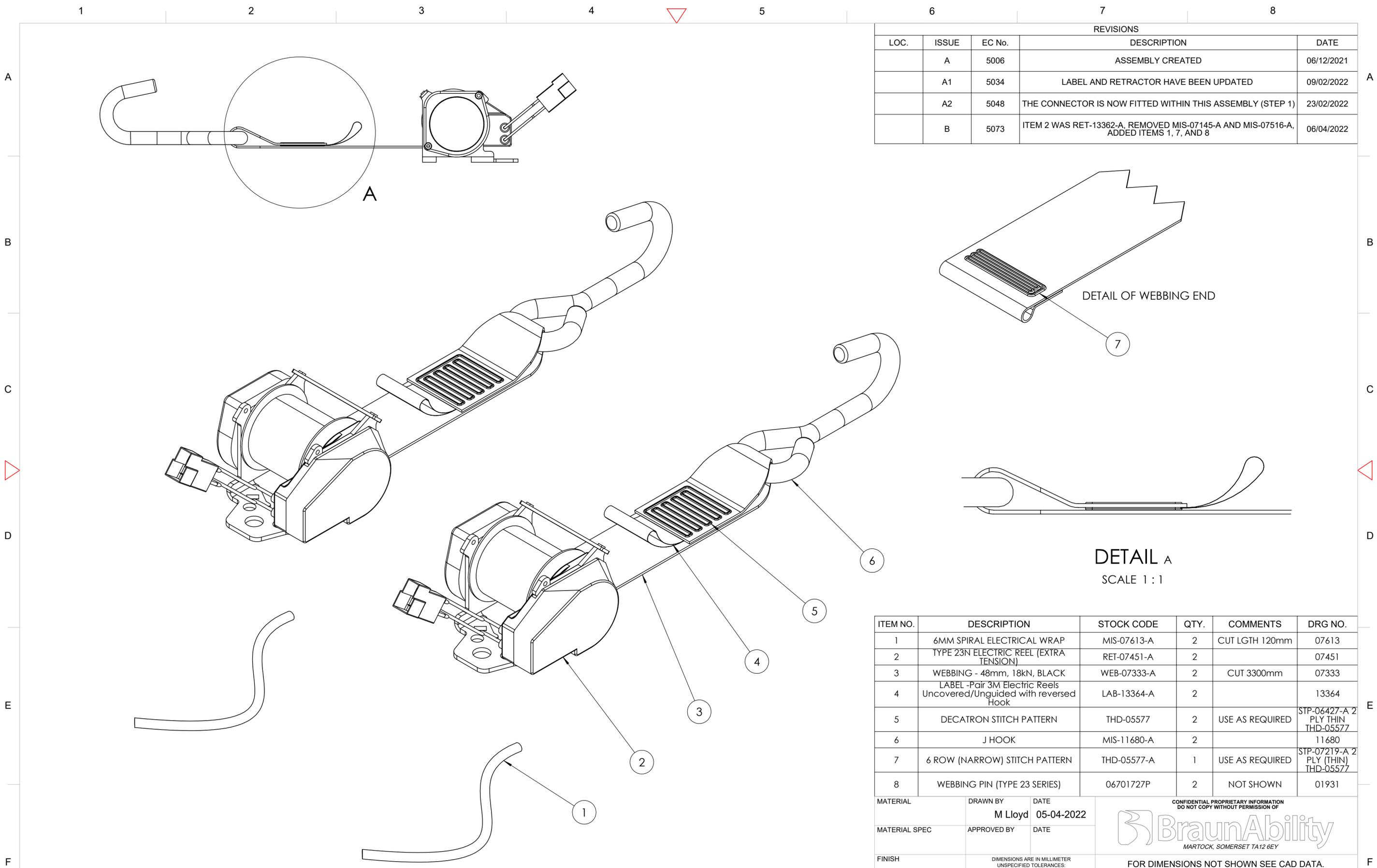
| REVISIONS | | | | |
|-----------|-------|--------|-------------|------|
| LOC. | ISSUE | EC No. | DESCRIPTION | DATE |
| - | - | - | See Sheet1 | - |



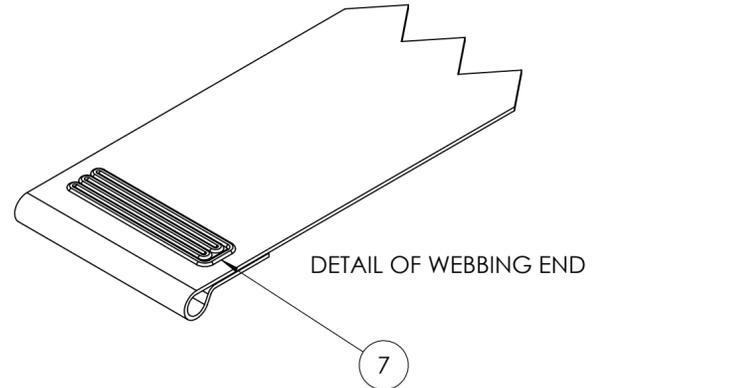
PLEASE ENSURE THAT THE BLACK WIRE IS USED IN THE TOP OF THE CONNECTOR

- 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 | <small>CONFIDENTIAL PROPRIETARY INFORMATION DO NOT COPY WITHOUT PERMISSION OF</small> MARTOCK, SOMERSET TA12 6EY | |
| MATERIAL SPEC | APPROVED BY | DATE | | |
| FINISH | <small>DIMENSIONS ARE IN MILLIMETER UNSPECIFIED TOLERANCES: x.xx±0.25</small> | | <small>FOR DIMENSIONS NOT SHOWN SEE CAD DATA. CAD DATA IS BASIC.</small> | |
| 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 OF WEBBING END

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 | <small>CONFIDENTIAL PROPRIETARY INFORMATION DO NOT COPY WITHOUT PERMISSION OF</small> <small>MARTOCK, SOMERSET TA12 8EY</small> | | |
| 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