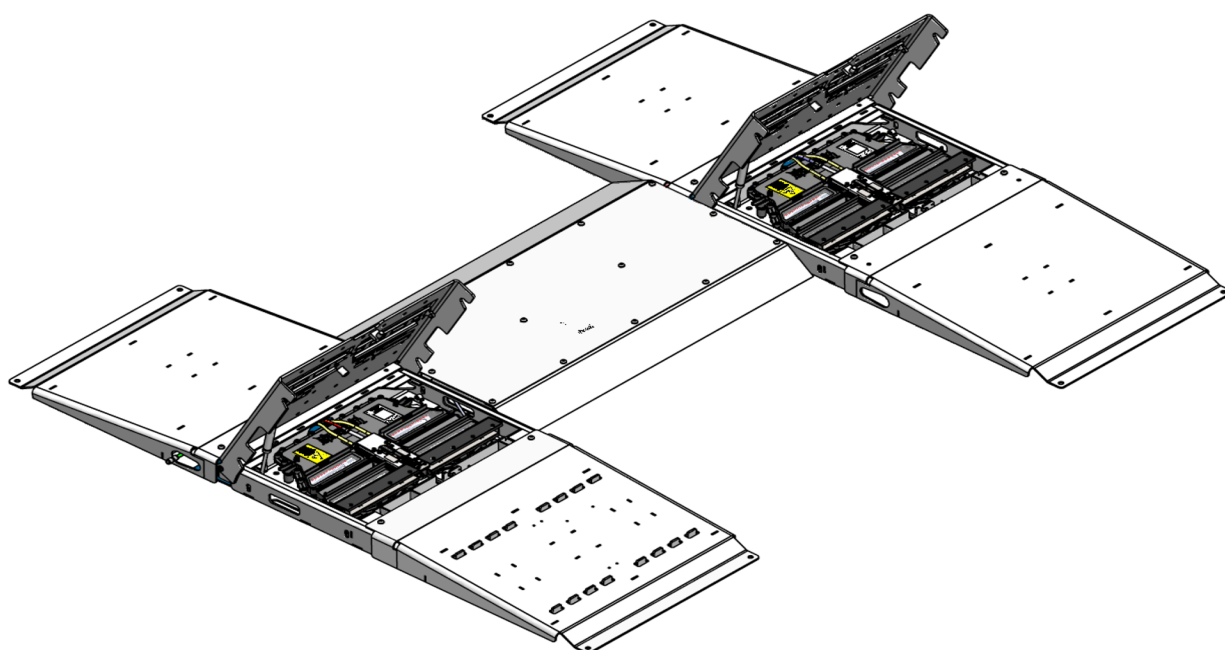




DriveOver Surface Ramp EMEA

Spare Parts

TEETD915AEA3 en-GB Rev 3

Table of Contents

1. About This Document	1
1.1. Revision History	1
1.2. Abbreviations	2
2. Surface Ramp EMEA Assembly	4
3. Trigger Ramp Assembly	8
4. Mid-Section Assembly	10
5. Sensor Air-Knife and Shutter Assembly	14
6. Pneumatic Assembly	18
7. Electrical Cabinet Assembly	20
8. Optional Components	22

1. About This Document

This manual shows the spare parts and accessories for TREADREADER™ DriveOver Surface Ramp EMEA EETD915AEA.

Part numbers and descriptions are for reference purposes only. Not all parts shown are stocked as service parts, consult your parts depot warehouse for availability.

- Document name: **DriveOver Surface Ramp EMEA Spare Parts**
- Document number: **TEETD915AEA3**



Maintenance carried out by unauthorised personnel may lead to a voided warranty.

1.1. Revision History

Document No	Revision	Description	Date
TEETD915AEA3	Rev 1.5	First draft version - new ISO template	2023-06
TEETD915AEA3	Rev 2	First release version	2025-05
TEETD915AEA3	Rev 3	Part number updates	2025-09-29

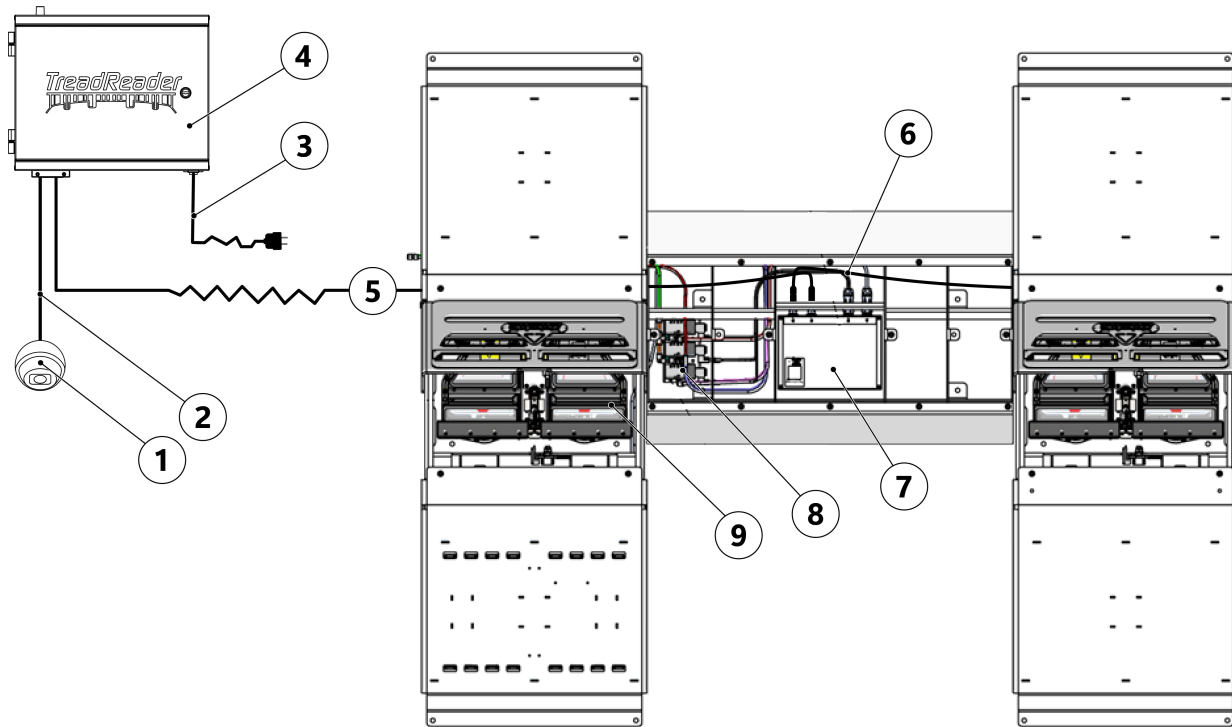
1.2. Abbreviations

In this manual the following abbreviations may occur.

ALPR	Automatic License Plate Recognition. A camera for reading license plates.
DO	DriveOver
EMEA	Europe, the Middle East and Africa
EULA	End User License Agreement
HD	Head
ID	Inner Diameter
IM	Installation Manual
IP67	An international dust and water protection code for electrical enclosures.
NA	North America
OD	Outer Diameter
OM	Operation Manual
POE	Power Over Ethernet
PT	Prevailing Torque
QTY	Quantity
SKT	Socket
SP	Spare Parts
TD	Tread Depth
TR	TreadReader

1. About This Document

2. Surface Ramp EMEA Assembly



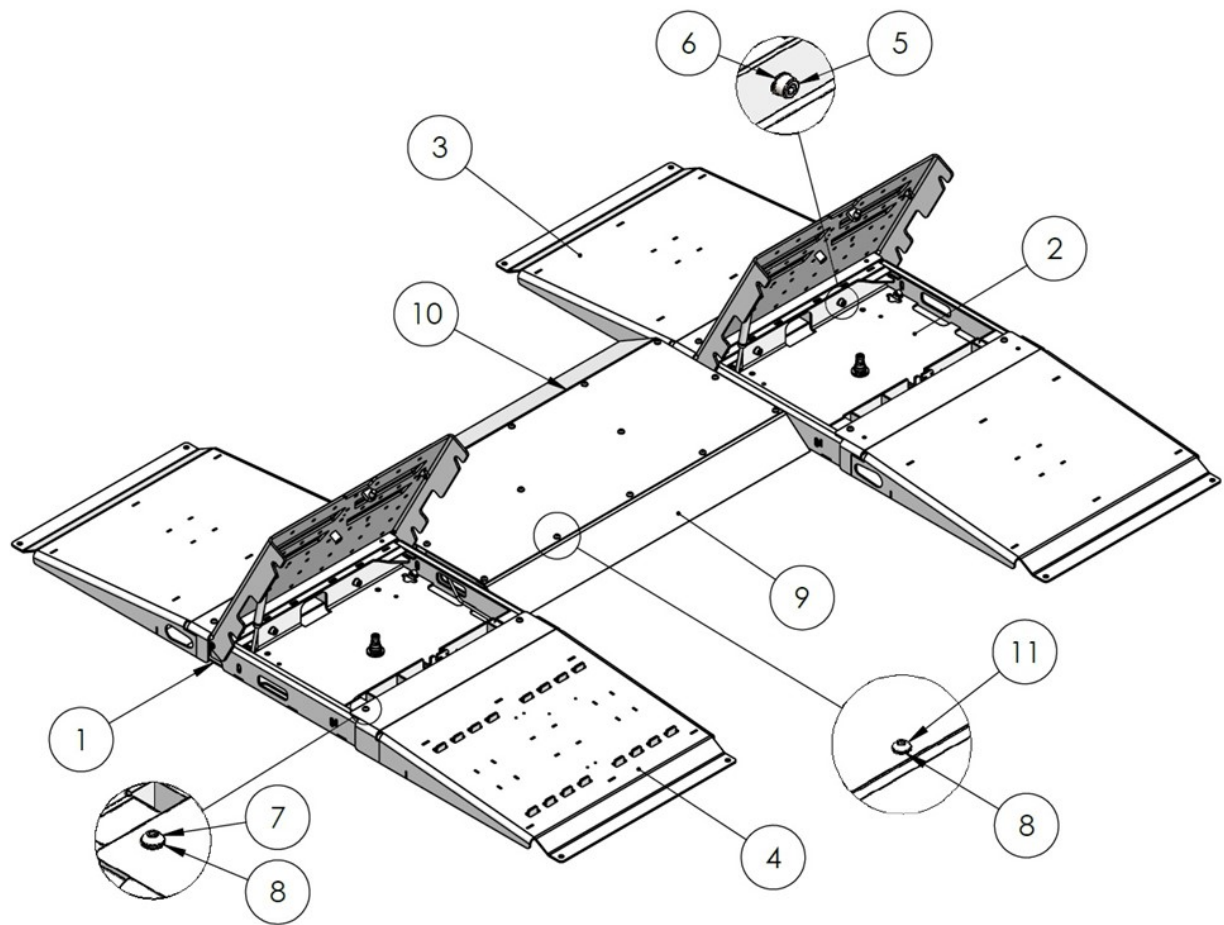
2. Surface Ramp EMEA Assembly

#	Part Number	Description	Qty	Type
	EAA0547Y30A	Surface Ramp Top Assembly EMEA	1	
1	2-96366A	ALPR Varifocal Dome Camera (5MP) with base	1	P
2	EAX0077Y08A	ALPR Camera Cable, 20 m (~ 66 ft)	1	P
3	6-05221A	European Power Cable, 3 m (~ 10 ft)	1	
3	6-08721A	IRE/ENG Power Cable, 3 m (~ 10 ft)	1	
4	EAA0547Y45A	Electrical Cabinet Assembly	1	P
5	EAX0077Y01A	DriveOver Cable, 10 m (~ 33 ft)	1	S, P
6	EAX0077Y00A	DriveOver Cable, 2.5 m (~ 8 ft)	1	S, P
7	EAA0547Y02A	Trigger Box Assembly	1	S, P
8	EAA0547Y43A	Pneumatic Assembly	1	
9	EAA0519Y01A	Sensor and Air Knife Shutter Assembly	2	S, P

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2. Surface Ramp EMEA Assembly

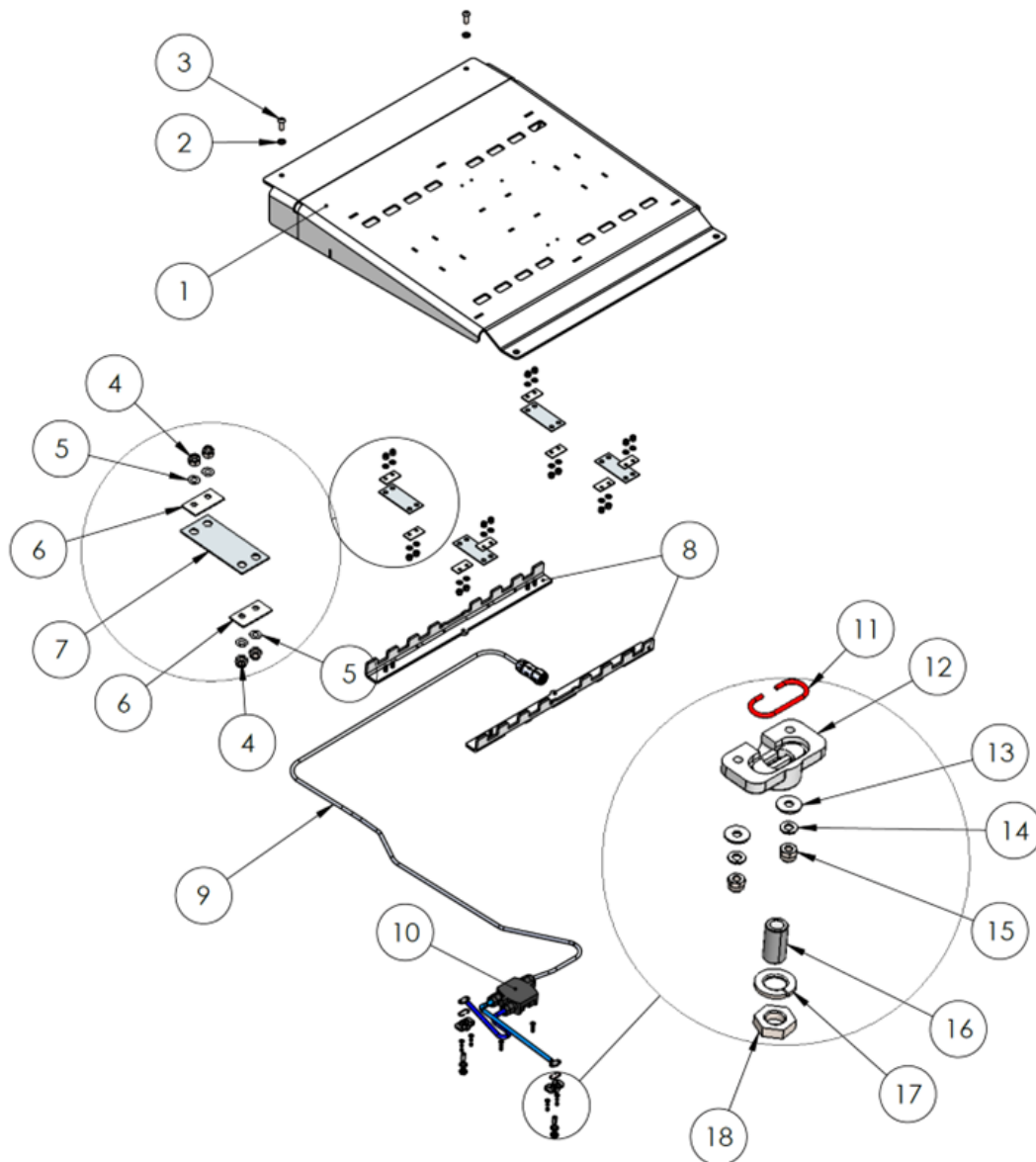
#	Part Number	Description	Qty	Type
1	EAA0547Y22A	Interface Bracket Assembly	2	
2	EAA0547Y18A	Mid-Section Top Assembly	2	
3	EAA0547Y12A	Drive-Up Ramp Assembly (No triggers)	3	
4	EAA0547Y20A	Trigger Ramp Top Assembly (Analogue Sensor Only)	1	
5	1-78009A	Hex Socket Head Cap Screw DIN 912 M10 x 25 mm Steel Zinc Plated	4	
6	1-06343A	Curved Spring Lock Washer DIN 128 A10 Steel Zinc Plated	4	
7	1-78109A	Socket Button Head Screw M8 x 20 mm Steel Zinc Plated	8	
8	1-06543A	Curved Spring Washer DIN 128 M8 x 14.8 x 8.1 mm Steel Zinc Plated	22	
9	EAA0547Y29A	Centre Ramp Assembly	1	
10	EAS2256Y45A	Centre Ramp Top Cover	1	
11	1-78209A	Socket Button Head Screw M8 x 16 mm Steel Zinc Plated	14	

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3. Trigger Ramp Assembly



3. Trigger Ramp Assembly

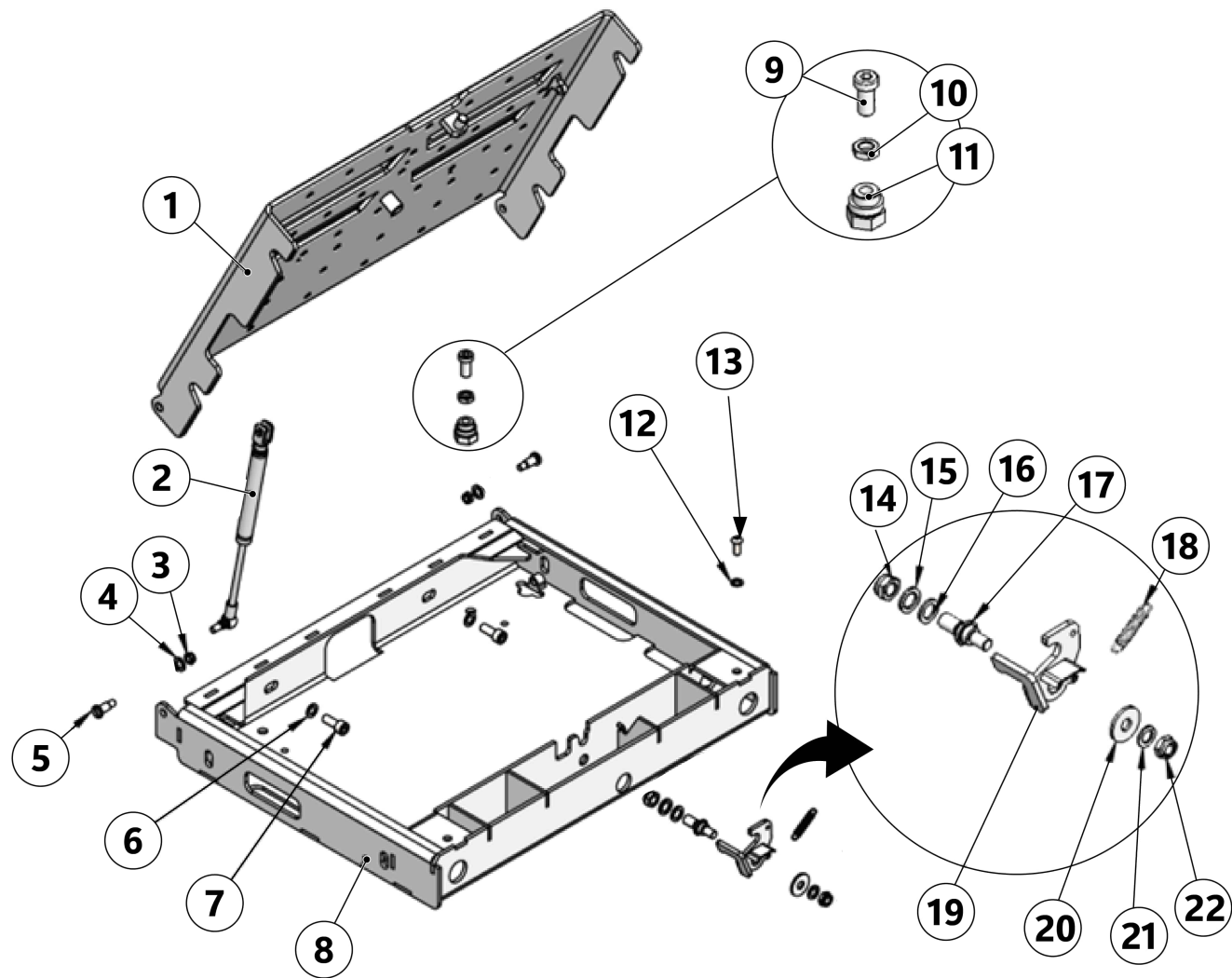
#	Part Number	Description	Qty	Type
	EAA0547Y20A	Trigger Ramp Top Assembly (Analogue Sensor Only)	1	
KIT	EAK0373Y21A	Trigger Ramp Assembly with fixings (<i>items 1 to 3</i>)	1	P
1	EAA0547Y15A	Trigger Ramp Assembly	1	
2	1-06543A	Curved Spring Washer DIN 128 M8 x 14.8 x 8.1 mm Steel Zinc Plated	2	
3	1-78109A	Socket Button Head Screw M8 x 20 mm Steel Zinc Plated	2	
KIT	EAK0373Y22A	Ramp Trigger Spring kit (<i>with items 4 to 7</i>)	1	S, P
4	1-09437A	Torque Nut ISO 7040-M6-N Steel Zinc Plated	16	
5	1-42641A	Shim Washer DIN 988 6 x 12 x 0.5 mm Steel Zinc Plated	16	
6	EAS2241Y39A	Spring Plate Support	8	
7	EAS2241Y40A	Spring Plate	4	
8	EAA0547Y21A	Adjustable Trigger Finger Assembly (Sensor)	2	P
9	EAW0296Y11A	Trigger Panel Cable	1	P
10	EAX0077Y07A	Trigger Panel Cable Assembly	1	S, P
KIT	EAK0373Y23A	Analogue Sensor fitting kit (<i>with items 11 to 18</i>)	1	S, P
11	8-22814A	O-Ring Cord 1.6OD NBR 70 ShA	2	
12	EAS2241Y41A	Plastic Sensor Mounting Block	2	
13	1-42541A	Flat Washer DIN 9021 3.2 mm Steel Zinc Plated	4	
14	1-06643A	Curved Spring Lock Washer DIN 128 A3 Steel Zinc Plated	4	
15	1-09337A	PT Nut Style-1 DIN EN ISO 7040 M3 N Steel Zinc Plated	4	
16	1-48784A	Magnets with Holders Threaded	2	
17	1-06543A	Washer Curved Spring DIN 128 M8 x 14.8 x 8.1 mm Steel Zinc Plated	2	
18	1-33433A	Hexagon Nut ISO 4036 M8 N Steel Zinc Plated	2	

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4. Mid-Section Assembly



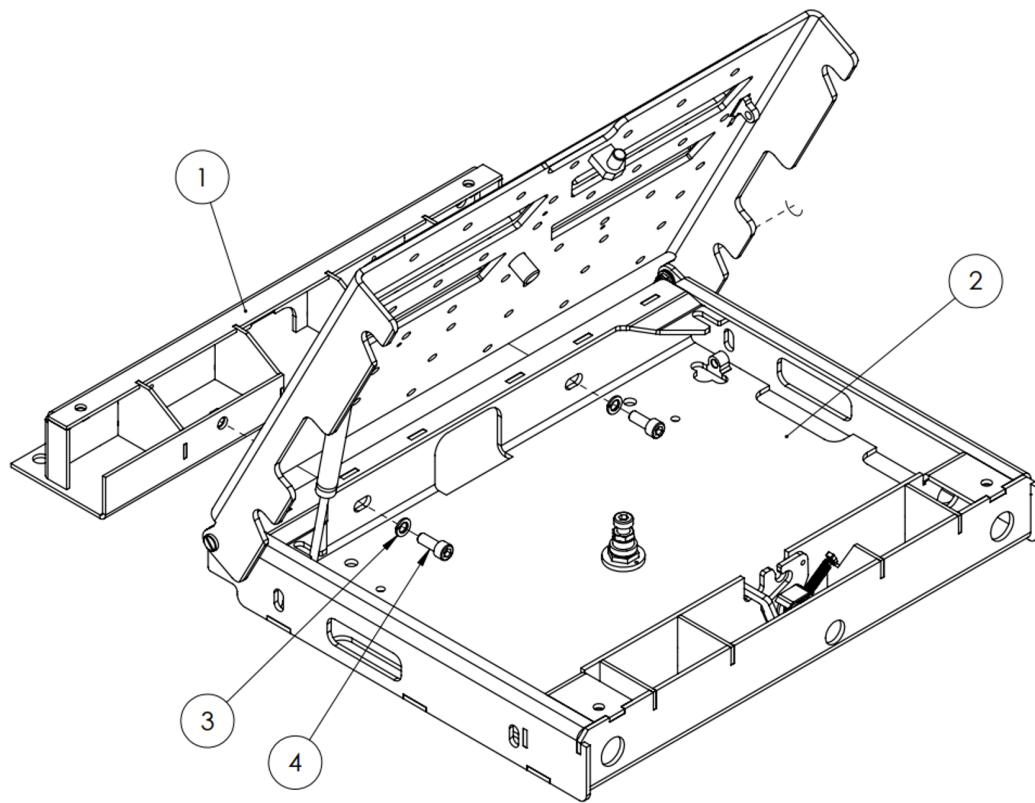
4. Mid-Section Assembly

#	Part Number	Description	Qty	Type
	EAA0547Y18A	Mid-Section Top Assembly	1	
KIT	EAK0373Y32A	Top Cover Assembly with fixings (<i>with items 1,3,4,5</i>)	1	P
1	EAA0547Y10A	Top Cover Assembly	1	
2	EAA0519Y27A	Gas Strut Assembly	1	P
3	1-07637A	PT Nut Thin DIN EN ISO 10511 M8 N ST-ST	2	
4	1-42841A	Washer DIN 125 A 8.4 DIN 125 ST-ST	2	
5	1-80709A	Screw Socket Cap M8 x 16 ST-ST DIN 912	2	
KIT	EAK0373Y26A	Mid-Section Assembly with fixings (<i>with items 6,7,8,12,13</i>)	2	P
6	1-06343A	Curved Spring Lock Washer - DIN 128 - A10 Steel Zinc Plated	2	
7	1-78009A	Hex Socket Head CAP Screw DIN 912 M10 x 25 mm Steel Zinc Plated	2	
8	EAA0547Y16A	Mid-Section Base Assembly	1	
KIT	EAK0373Y25A	Sensor Mid Support with fixings (<i>with items 9 to 11</i>)	1	P
9	1-74509A	Hex Socket Head Screw DIN 7984 M12 x 25 mm st-st	1	
10	1-08037A	Hex Thin Nut Grade AB DIN 24035 M12 st-st	1	
11	EAM0189Y02A	Sensor Mid Support	1	
12	1-06543A	Curved Spring Washer DIN 128 M8 x 14.8 x 8.1 mm Steel Zinc Plated	2	
13	1-78109A	Socket Button Head Screw M8 x 20 mm Steel Zinc Plated	2	
KIT	EAK0373Y27A	Latch Plate Assembly with fixings (<i>with items 14 to 22</i>)	1	P
14	1-09137A	PT Nut Thin DIN EN ISO 10511-M12 Steel Zinc Plated	1	
15	1-05843A	Curved Spring Washer DIN 128 M8 x 14.8 x 8.1 mm st-st	1	
16	1-42341A	Small Grade A Washer DIN 433 x M12 x 20 x 13 mm Steel Zinc Plated	1	
17	EAM0189Y17A	Hinge Bolt Link	1	
18	1-08667A	Latch Spring Zinc plated	1	
19	EAA0547Y19A	Latch Plate Assembly	1	
20	1-42241A	Washer DIN 9021 10.5 mm Steel Zinc Plated	1	
21	1-06343A	Curved Spring Lock Washer DIN 128 A10 Steel Zinc Plated	1	
22	1-09037A	PT Nut Thin DIN EN ISO 10511-M10 Steel Zinc Plated	1	

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4. Mid-Section Assembly

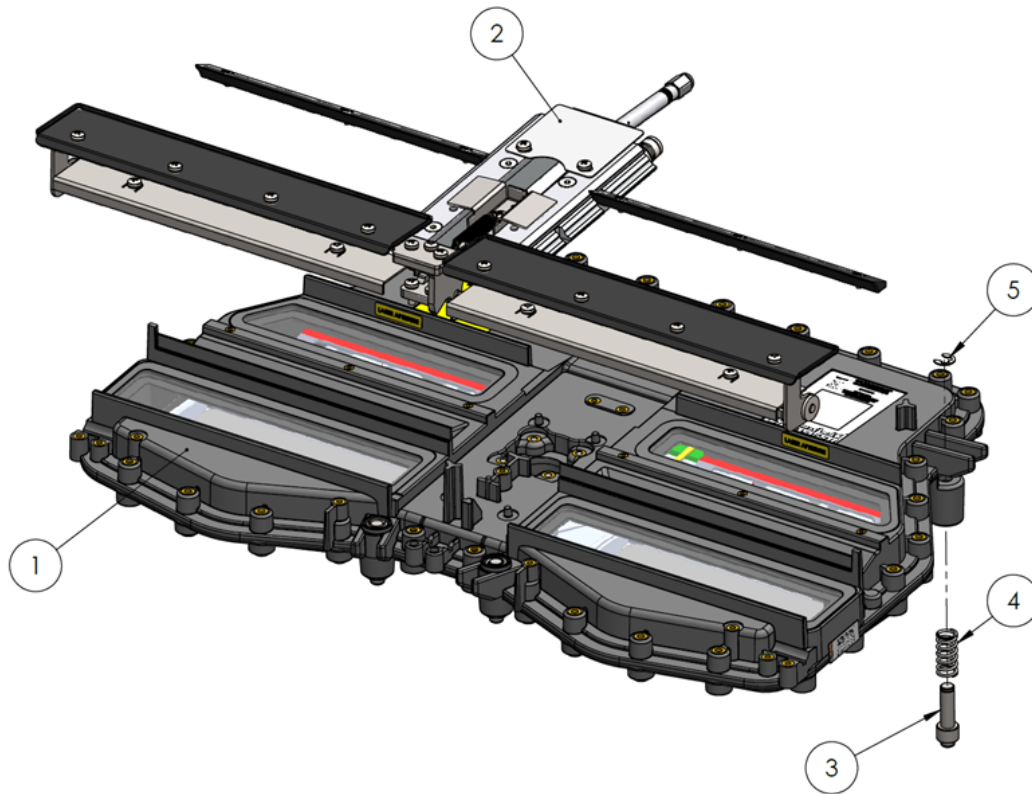
#	Part Number	Description	Qty	Type
1	EAA0547Y22A	Interface Bracket Assembly	1	P
2	EAA0547Y16A	Mid-Section Base Assembly	1	
3	1-06343A	Curved Spring Lock Washer DIN 128-A 10 Steel Zinc Plated	2	
4	1-78109A	Socket Button Head Screw M8 x 20 mm Steel Zinc Plated	2	

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5. Sensor Air-Knife and Shutter Assembly



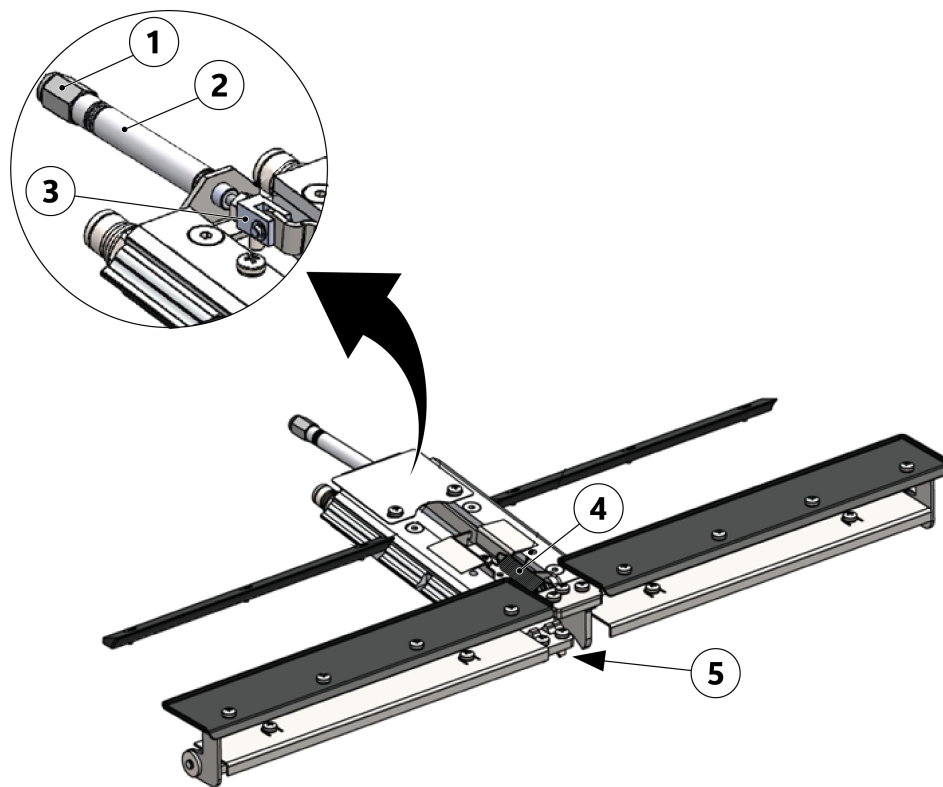
5. Sensor Air-Knife and Shutter Assembly

#	Part Number	Description	Qty	Type
	EAA0519Y01A	Sensor and Air Knife Shutter Assembly	1	S, P
1	EAA0520Y00A	DriveOver Sensor Assembly	1	P
KIT	EAK0373Y15A	Sensor and Air Knife Build Kit (<i>with items 2 to 5</i>)	1	S, P
2	EAA0519Y02A	Air Knife and Shutter Assembly	1	
3	EAM0189Y00A	Sensor Mounting Pin	4	
4	1-13568A	Compression Spring	4	
5	1-01045A	Lock washer DIN 6799-6 ST-ST	4	

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5. Sensor Air-Knife and Shutter Assembly

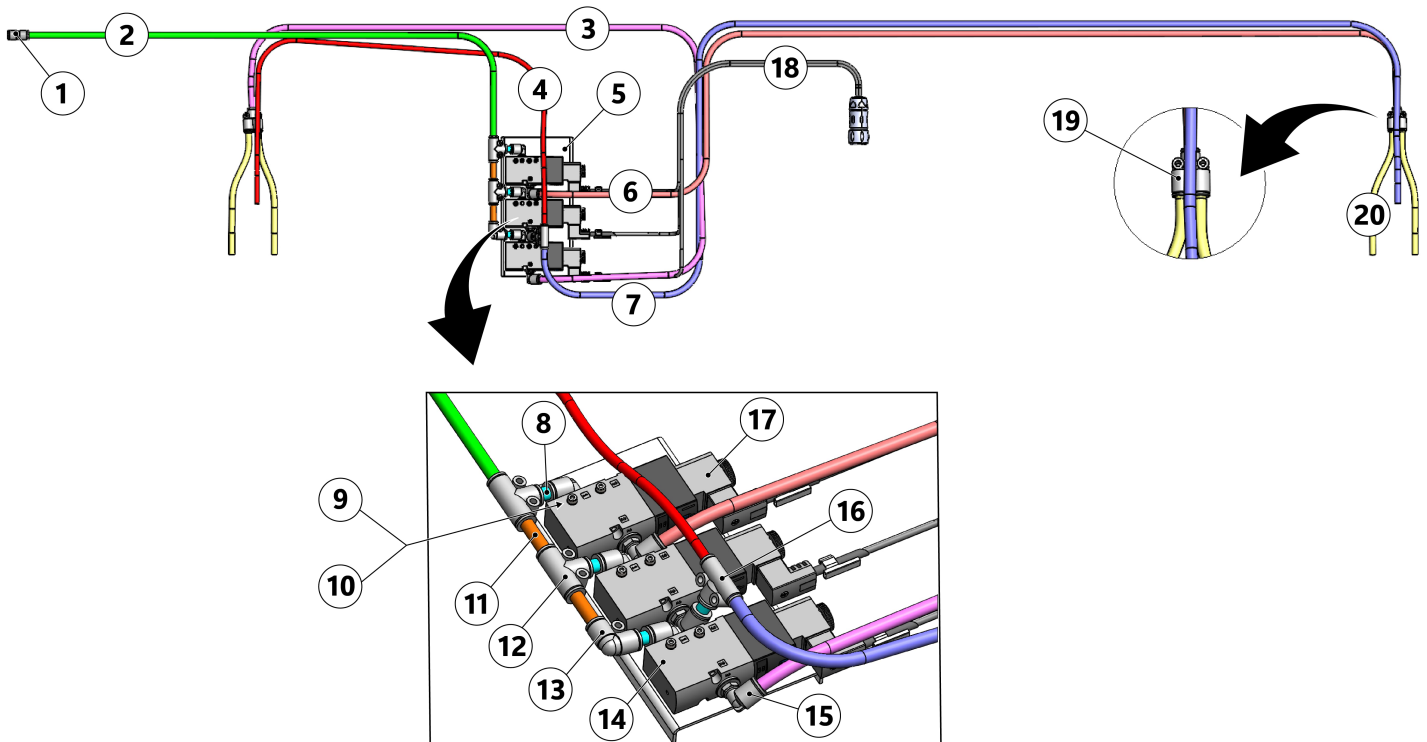
#	Part Number	Description	Qty	Type
	EAA0519Y02A	Air Knife and Shutter Assembly	1	P
1	1-31779A	SMC Pneumatic Straight Threaded-to-Tube Adapter, 10-32 Male, Push-In 1/4 Inch (Forward 2000 KQ2H07-32N)	1	P
2	1-48584A	F Series S/A Cylinder (MK Air Controls F-0313S01-01A)	1	S, P
4	EAA0520Y26A	Piston Rod Clevis with Pin and Lock Washer (MK Air Controls D-26690)	1	P
5	1-08467A	Extension Spring (LeeSpring-LEM080CF 04 S)	1	P
6	EAA0520Y28A	Shutter Hinge	3	P

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6. Pneumatic Assembly



The hose between the customer's compressed air supply to the ramp is not included in the delivery.

It will be supplied by the Customer or Installer according to the following specification:

Polyurethane Tubing with an outer diameter of 8 mm (5/16 inch) and inner diameter of 5.5 mm (7/32 inch).

6. Pneumatic Assembly

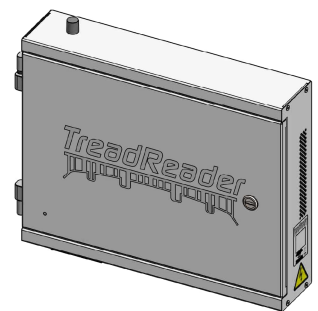
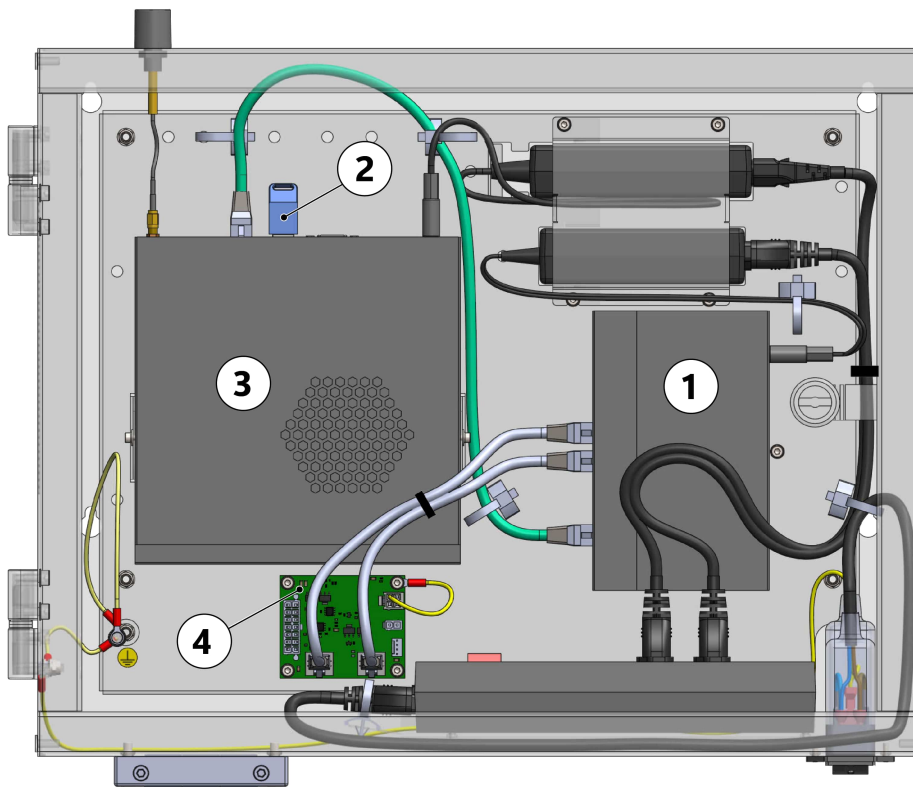
#	Part Number	Description	Qty	Type
	EAA0547Y43A	Pneumatic Assembly	1	
1	EAH0085Y07A	SMC KQ2 Series Straight Tube-to-Tube Adaptor, Push-In 8 mm to Push-In 8 mm, Tube-to-Tube Connection Style	1	
2	EAH0085Y18A	Polyurethane Tubing, Length 2500 mm, Blue, OD 8 mm, ID 5.5 mm	1	
3	EAH0085Y15A	Polyurethane Tubing, Length 1150 mm, Blue, OD 8 mm, ID 5.5 mm	1	
4	EAH0085Y20A	Polyurethane Tubing, Length 1000 mm, Black, OD 6 mm, ID 4 mm	1	
5	EAA0547Y44A	Pneumatic Mounting Plate Assembly	1	
6	EAH0085Y19A	Polyurethane Tubing, Length 1500 mm, Blue, OD 8 mm, ID 5.5 mm	1	
7	EAH0085Y21A	Polyurethane Tubing, Length 1820 mm, Black, OD 6 mm, ID 4 mm	1	
8	EAH0085Y17A	Polyurethane Tubing, Length 35 mm, Blue, OD 8 mm, ID 5.5 mm	4	
9	1-42941A	M3 x 0.5 mm DIN 433 Plain Washer Steel Zinc Plated	6	
10	1-74209A	HEX Socket Head Cap Screw DIN 912 M3 x 30 mm	6	
11	EAH0085Y16A	Polyurethane Tubing, Length 55 mm, Blue, OD 8 mm, ID 5.5 mm	2	
12	EAH0085Y01A	SMC KQ2 Series Tee Tube-to-Tube Adaptor Push-In 8 mm, Push-In 8 mm to Push-In 8 mm, Tube-to-Tube Connection Style	2	
13	EAH0085Y02A	SMC KQ2 Series Elbow Tube-to-Tube Adaptor, Push-In 8 mm to Push-In 8 mm, Tube-to-Tube Connection Style	1	
KIT	EAK0373Y34A	Solenoid Valve Assembly (<i>with items 14 and 17</i>)	1	S, P
14	2-17837A	Solenoid Valve	3	
15	EAH0085Y13A	SMC KQ2 Series Elbow Threaded Adaptor, R 1/8 Male to Push-In 8 mm, Threaded-to-Tube Connection Style	6	
16	EAH0085Y03A	SMC KQ2 Series Tee Tube-to-Tube Adaptor Push-In 8 mm, Push-In 6 mm to Push-In 6 mm, Tube-to-Tube Connection Style	1	
17	2-17937A	Solenoid coil	3	
18	EAW0296Y09A	Pneumatics Control Cable Assembly	1	S, P
19	EAH0085Y04A	SMC KQ2 Series Y Tube-to-Tube Adaptor, Push-In 8 mm to Push-In 8 mm, Tube-to-Tube Connection Style (RS771-5958)	2	
20	EAH0085Y14A	Polyurethane Tubing, Length 200 mm, Blue, OD 8 mm, ID 5.5 mm	4	

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7. Electrical Cabinet Assembly



7. Electrical Cabinet Assembly

#	Part Number	Description	Qty	Type
	EAA0547Y45A	Electrical Cabinet Assembly	1	P
1	1-54384A	5-Port Plus Desktop Gigabit POE+ Switch (63W)	1	P
2	EAE0097Y02A	Sentinel HL Basic Mini HASP	1	P
3	EAE0097Y03A	B50 Mini-PC Celeron Processor, 4 GB RAM, 128 GB SSD	1	P
4	EAP0319Y02A	Cabinet Adapter PCB	1	P

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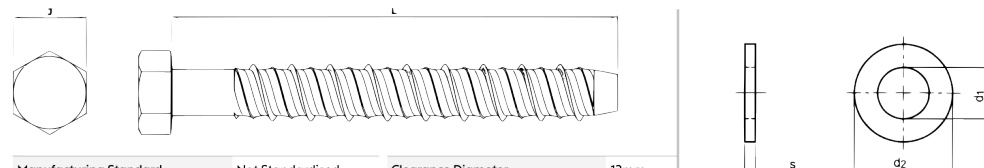
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8. Optional Components

The following parts are optional installation components.

1



Manufacturing Standard	Not Standardised	Clearance Diameter	12mm
Material	Galvanised Steel	Max Fixture Thickness	50mm
Screw Material Specification	Carbon Steel	Min Structure Thickness	125mm
Finish	Galvanised	Tightening Torque	60Nm
Metric or Imperial?	Metric	Pilot Hole/Drill Size	10mm
For Use With	Concrete, Brick & Stone	Drive Size (J)	17mm

d1 – ID M12
d2 – OD 24mm (0.9")
s - Thickness: 2.5mm
Material: Carbon Steel
Finish: Zinc & Clear
Washer Type: Form A

2



3



8. Optional Components

#	Part Number	Description	Qty	Type
1	EAK0373Y31A	10 x 100 mm Hex Head Concrete Screw + M12 Washer Form A DIN-125 ZN	20	P
2	EAK0373Y29A	IT Kit (27" Monitor with Keyboard and Mouse)	1	P
3	EAS2256Y64A	Cable Protection Profile (<i>Floor Line Cover</i>), 1 m	1	P
	EAK0373Y04A	DriveOver Cable, 20 m (~ 66 ft)	1	P

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