



USED ON
YOUNGMAN

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JOYSTICKS & CONTROL BOXES

ELECTRONIC JOYSTICK



Dual-axis

Used on BoSS X3X-SP

REF [151TA3561](#)

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DISPLAY



TS100 display/diagnostic centre

Used on BoSS X3X-SP

REF [151TA3546](#)

MOTOR CONTROLLER



- TS100 operating system
- Length: 197 mm
- Width: 156 mm

Used on BoSS X3X-SP

REF [151TA3606](#)

PRINTED CIRCUIT BOARD



- Length: 104 mm
- Width: 38 mm
- 3-pole

Used on BoSS X3X-SP

REF [151TA3593](#)

Although this electronic card may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.

This is just a small selection of our electronic boards. For all other types, please feel free to call us!

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ELECTRICAL PARTS

BUZZERS



- Voltage: 12 V
- Volume: 88 dB
- Dimensions: 44 x Ø 42,6 mm
- Built-in diameter: 28 mm

Used on BoSS X3X-SP

REF [151TA3556](#)



- Voltage: 24 V
- Volume: 95 dB
- Dimensions: 16 x Ø 41,5 mm

Used on BoSS X3X-SP

REF [151TA3555](#)

CABLE LOOMS



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 1100 mm
- Number of plugs: 10

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3416](#)



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 4550 mm
- Number of plugs: 10

Used on BoSS X3

REF [151TA3496](#)



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 5000 mm
- Number of plugs: 10

Used on BoSS X3X

REF [151TA3530](#)



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 5910 mm
- Number of plugs: 1

Used on BoSS X3X-SP

REF [151TA3607](#)



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 1810 mm
- Number of plugs: 2

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3430](#)



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 340 mm
- Number of plugs: 2

REF [163TA7877](#)



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 840 mm
- Number of plugs: 1

Used on BoSS X3X-SP

REF [151TA3562](#)

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ELECTRICAL PARTS

CHARGING CABLE



- Current: 16 A
- Voltage: 110 V

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3431](#)

COMPLETE CONTACTORS

	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Used on	REF
	12	200	200	No	BoSS X3X, BoSS X3, BoSS X2	151TA3423
	24	100	100	No	BoSS X3X-SP	151TA3601
	24	200	200	No	BoSS X3X-SP	151TA3613

FLASHING BEACON WITH COVER



- Length: 120 mm
- Height: 80 mm
- Voltage: 24 V
- Conformity: not approved

Used on BoSS X3X-SP

REF [149TA7227](#)

HORN



- Voltage: 48 VDC
- Type of mounting: multiple holes
- Diameter: 50 mm
- Conformity: not approved

Used on BoSS X3X-SP

REF [151TA3591](#)

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ELECTRICAL PARTS

FUSE HOLDERS



- Length: 109 mm
- Width: 36 mm
- Height: 48 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3457](#)



- Length: 69 mm
- Width: 20 mm
- Height: 29 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3456](#)

HOUSING CONNECTORS



- Length: 53 mm
- Width: 21 mm
- Height: 19 mm
- Number of connecting holes: 6

Used on BoSS X3X-SP

REF [151TA3608](#)



- Length: 93,5 mm
- Width: 21 mm
- Height: 19,5 mm
- Number of connecting holes: 12

Used on BoSS X3X-SP

REF [151TA3609](#)

HANDSET CONTROLLER ASSEMBLY



- Length: 175 mm
- Width: 65 mm
- Height: 80 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3492](#)

HANDSET COVER



- Length: 175 mm
- Width: 75 mm

Used on BoSS X2, BoSS X3, BoSS X3X

REF [151TA3441](#)

SWITCH ACCESSORY



Main body

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3435](#)

SOLENOID SWITCH



- Length: 121 mm
- Width: 51 mm

Used on BoSS X3X-SP

REF [151TA3596](#)

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SWITCHES

RELAY MOUNTING BRACKET



8 A relay with base

Used on BoSS X3X-SP

REF [151TA3614](#)

RELAY ASSEMBLIES



- Voltage: 300 VAC
- Current: 16 A

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3452](#)



- Voltage: 300 VAC
- Current: 16 A

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3451](#)

TIMER RELAY



- For 12 VDC machines
- 5 sec

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3453](#)

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SWITCHES

CONTACT BLOCKS



Connector set 16 pieces
Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3621](#)



Central tray connector block
Used on BoSS X3X-SP

REF [151TA3539](#)



Central tray connector block
Used on BoSS X3X-SP

REF [151TA3540](#)



- Control/spare switch NO
- Length: 39 mm
- Width: 22 mm

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3434](#)

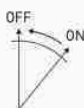


- Switch NC for pendant emergency stop button
- Length: 39,5 mm
- Width: 22 mm

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3440](#)

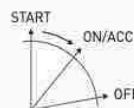
IGNITION SWITCHES



- Number of connections: 2
- Number of positions: 2
- Built-in diameter: 22 mm
- Total length: 68 mm
- NO contact

Used on BoSS X3X-SP

REF [151TA3544](#)



- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 69 mm
- NO contact

Used on BoSS X3X-SP

REF [151TA3545](#)

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SWITCHES

KEYS FOR IGNITIONS/DOOR LOCKS



- Key number: 455
- Number of supplied keys: 1

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3458](#)



Number of supplied keys: 2

Used on BoSS X3X-SP

REF [151TA3618](#)

LIMIT SWITCHES



- Number of NC contacts: 1
- Current: 5 A

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [147TA5640](#)



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 5 A

Used on BoSS X3, BoSS X2

REF [151TA3495](#)



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 5 A

Used on BoSS X3X

REF [151TA3529](#)

MICROSWITCH



- Number of connections: 3
- Number of CO contacts: 2
- Current: 15 A

Used on BoSS X3X-SP

REF [151TA3589](#)

MUSHROOMHEAD PUSH BUTTON



- Current: 10 A
- Voltage: 400 V
- Number of NC contacts: 2

Used on BoSS X3X, BoSS X3,
BoSS X3, BoSS X2

REF [151TA3428](#)

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SWITCHES

OPERATING HEAD



- Number of positions: 2
- Built-in diameter: 22 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3438](#)

PUSH BUTTONS



- Diameter: 29 mm
- Length: 22 mm
- Button colour: black

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3437](#)



- Diameter: 29 mm
- Length: 22 mm
- Button colour: white

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3436](#)

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SWITCHES

COMPLETE PUSH BUTTONS



- Built-in diameter: 19 mm
- Length: 40 mm
- Button colour: metallic

Used on BoSS X3X-SP

REF [151TA3560](#)



- Built-in diameter: 22 mm
- Length: 28 mm
- Button colour: metallic

Used on BoSS X3X-SP

REF [151TA3536](#)



- Built-in diameter: 22 mm
- Length: 32,6 mm
- Button colour: metallic

Used on BoSS X3X-SP

REF [151TA3559](#)



- Built-in diameter: 30 mm
- Length: 55,5 mm
- Button colour: red

Used on BoSS X3X-SP

REF [151TA3541](#)



Diameter: 17,5 mm

Used on BoSS X3X-SP

REF [151TA3598](#)

DASHBOARD WARNING LIGHTS



- Cable length: 270 mm
- Diameter: 20 mm

Used on BoSS X3X-SP

REF [151TA3558](#)



- Cable length: 275 mm
- Diameter: 19 mm

Used on BoSS X3X-SP

REF [151TA3557](#)

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SENSORS

PRESSURE SENSOR



- Thread: 1/4" BSP
- Connection: loose pin
- Switch mode: multiple, different or with signal
- Length: 87 mm

Used on BoSS X3X-SP

REF [151TA3581](#)

TILT SENSORS



- Dimensions: 75 x 79 x 56 mm
- Switch type: tilt sensor
- Voltage: 8-30 VDC
- Detection: 1,25°

Used on BoSS X2, BoSS X3,
BoSS X3X

REF [145TA4527](#)



- Dimensions: 80 x 75 x 56 mm
- Switch type: tilt sensor
- Voltage: 8-30 VDC
- Detection: 1,50°

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3449](#)

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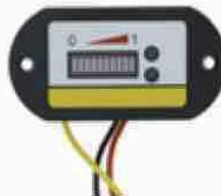
BATTERY DISCHARGE INDICATORS



- Built-in dimensions: 87 x 44 mm
- Voltage: 110 V

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3502](#)



- Built-in dimensions: 87 x 44 mm
- Voltage: 240 V

Used on BoSS X2, BoSS X3, BoSS X3X

REF [165TA4528](#)



- Built-in dimensions: 87 x 44 mm
- Voltage: 24 V

Used on BoSS X3X-SP

REF [151TA3535](#)

INDICATORS & HOUR METERS

USED ON YOUNGMAN



HYDRAULIC PARTS

CARTRIDGE WITH COIL



- Voltage: 12 V
- AC/DC: DC
- Resistance: 8,5 Ω
- Diameter 1: 12,6 mm
- Diameter 2: 13 mm
- Length: 90 mm

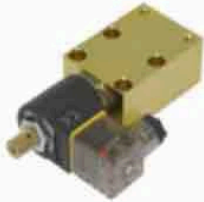
Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3425](#)

Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.

Diameter D1 is the nose of the cartridge.
Diameter D2 is the diameter of the cartridge end on which the coil is mounted.

HYDRAULIC INTEGRATED CIRCUITS WITH CARTRIDGE



- Voltage: 12 V
- AC/DC: DC
- Resistance: 10,7 Ω
- Diameter 1: 33 mm
- Diameter 2: 13 mm
- Length: 130 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3473](#)



- Voltage: 24 V
- AC/DC: DC
- Resistance: 6,5 Ω
- Diameter 1: 12,6 mm
- Diameter 2: 13 mm
- Length: 111,5 mm

Used on BoSS X3X, BoSS X3, BoSS X2, BBoSS X3X-SP

REF [151TA3622](#)

Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.

Diameter D1 is the nose of the cartridge.
Diameter D2 is the diameter of the cartridge end on which the coil is mounted.

HYDRAULIC CYLINDERS



- Total measured length: 890 mm
- Diameter tube: 63 mm
- Diameter rod: 35 mm
- Piston shaft stroke: 585 mm

Used on BoSS X3X-SP

REF [151TA3578](#)



- Total measured length: 717 mm
- Diameter tube: 64 mm
- Diameter rod: 34 mm

Used on BoSS X3

REF [151TA3472](#)

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HYDRAULIC PARTS

HYDRAULIC HOSE



Length: 2120 mm
Used on BoSS X3
REF [151TA3474](#)

HYDRAULIC PUMP



- Total length: 77,3 mm
- Neck diameter: 22 mm
- Direction of rotation: CCW
- Material of the housing: aluminium

Used on BoSS X3X-SP
REF [151TA3426](#)

HYDRAULIC PUMP GROUPS

	Electric motor VDC	Power kW	Used on	REF
	12	0,8	BoSS X2	151TA3514
	12	1,2	BoSS X2, BoSS X3, BoSS X3X	165TA4529
	24	1,2	BoSS X3X-SP	151TA3603

HYDRAULIC CYLINDER SEAL KIT



Used on BoSS X3X, BoSS X3, BoSS X2
REF [151TA3447](#)

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BODY & CHASSIS PARTS

CONTROL CABLES

	Length cable mm	Diameter cable mm	Length sleeve mm	Used on	REF
	2500	2	2360	BoSS X3X	151TA3532
	2500	2	2360	BoSS X2	151TA3517
	2710	2	2550	BoSS X3	151TA3504
	2715	2	2550	BoSS X3X-SP	151TA3583

CHASSIS ACCESSORIES



Pothole rods and linkage kit

Used on BoSS X3X-SP

REF [151TA3587](#)



- Length: 427 mm
- Width: 102 mm
- Height: 168 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3444](#)



- Height: 560 mm
- Width: 500 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3465](#)



- Length: 530 mm
- Width: 140 mm

Used on BoSS X3X

REF [151TA3531](#)



- Length: 790 mm
- Width: 80 mm

Used on BoSS X3X-SP

REF [151TA3588](#)

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BODY & CHASSIS PARTS

ANTISKID MAT



- Length: 520 mm
- Width: 125 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3484](#)

SAFETY CAGE PARTS



- Height: 1090 mm
- Width: 1030 mm

Used on BoSS X3, BoSS X2

REF [151TA3464](#)



- Height: 1100 mm
- Width: 1040 mm

Used on BoSS X2

REF [151TA3508](#)



- Height: 1110 mm
- Width: 1240 mm

Used on BoSS X3X-SP

REF [151TA3551](#)



- Height: 1110 mm
- Width: 1240/520 mm

Used on BoSS X3X-SP

REF [151TA3552](#)



- Width: 1030 mm
- With narrow gate assembly

Used on BoSS X3

REF [151TA3462](#)

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BODY & CHASSIS PARTS

RUBBER PARTS



Diameter: 54 mm

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3491](#)



Diameter: 66 mm

Used on BoSS X3X-SP,
BoSS X3X, BoSS X3, BoSS X2

REF [151TA3414](#)



- Length: 175 mm
- Width: 25 mm
- Height: 4,7 mm

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3483](#)



- Length: 76 mm
- Width: 46 mm
- Height: 14 mm

Used on BoSS X3X-SP

REF [151TA3421](#)



- Length: 76 mm
- Width: 46 mm
- Height: 14 mm

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3443](#)

HANDLE SCREW WITH LOCKING NUT



- Diameter: 30 mm
- Thread: M8 x 1,25 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3468](#)

USED ON YOUNGMAN



KNOBBS



- Diameter: 29 mm
- Height: 20,6 mm
- Thread: M8 x 1,25 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3482](#)



- Diameter: 29 mm
- Height: 50,6 mm
- Thread: M8 x 1,25 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3417](#)

SUPPORTS - PIECES OF CONNECTIONS



- Length: 105 mm
- Width: 40 mm
- Number of holes: 2
- Material: nylon

Used on BoSS X3X-SP

REF [151TA3567](#)



- Length: 100 mm
- Width: 20 mm
- Number of holes: 2
- Material: nylon

Used on BoSS X3X-SP

REF [151TA3568](#)



Used on BoSS X3X-SP

REF [151TA3592](#)

WEAR PAD



- Length: 89 mm
- Material: plastic

Used on BoSS X3X-SP

REF [151TA3576](#)

FOOT PEDAL ASSEMBLY



Length: 121 mm

Used on BoSS X3X-SP

REF [151TA3564](#)

USED ON YOUNGMAN



BODY & CHASSIS PARTS

DOOR HANDLES



- Length: 260 mm
- Grip range: 130 mm
- With drawer lock

Used on BoSS X3X-SP

REF [151TA3620](#)



- Length: 260 mm
- Grip range: 130 mm
- With drawer lock

Used on BoSS X3X-SP

REF [151TA3602](#)



- Length: 49 mm
- Width: 50 mm
- Height: 24 mm

Used on BoSS X3X-SP,
BoSS X3X, BoSS X3, BoSS X2

REF [151TA3415](#)



- Length: 74 mm
- Width: 32 mm

Used on BoSS X3X-SP

REF [151TA3610](#)



- Length: 88,6 mm
- Width: 34,4 mm

Used on BoSS X3X-SP,
BoSS X3X, BoSS X3, BoSS X2

REF [151TA3433](#)

MOUNTING KIT



Door hinge mounting kit

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3459](#)

CABIN ACCESSORY



Length: 106 mm

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3493](#)

USED ON YOUNGMAN



CHASSIS ACCESSORIES



- Length: 121 mm
- Height: 30 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3497](#)



- Length: 500 mm
- Height: 160 mm

Used on BoSS X3X-SP

REF [151TA3585](#)

PROTECTIVE RUBBER COVER



- Length: 155 mm
- Smallest diameter: 46 mm
- Biggest diameter: 61 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3487](#)

PROTECTIVE COVERS



- Length: 130 mm
- Width: 90 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3475](#)



- Length: 152/112 mm
- Width: 100 mm

Used on BoSS X3X-SP

REF [151TA3582](#)



- Length: 165 mm
- Height: 30 mm

Used on BoSS X2

REF [151TA3500](#)



- Length: 217 mm
- Height: 72 mm

Used on BoSS X3X-SP

REF [151TA3594](#)

USED ON YOUNGMAN



COVERS & ACCESSORIES

PROTECTIVE COVERS



- Length: 535 mm
- Height: 265 mm

Used on BoSS X3X-SP

REF [151TA3584](#)



- Length: 567 mm
- Height: 260 mm

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3479](#)



- Length: 160 mm
- Height: 90 mm

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3450](#)

USED ON YOUNGMAN



DECALS

DECALS



- Length: 278 mm
- Height: 199 mm

Used on Boss X3X

REF [151TA3534](#)



- Length: 278 mm
- Height: 199 mm

Used on BoSS X3

REF [165TA4530](#)



- Length: 281 mm
- Height: 201 mm

Used on Boss X3X

REF [163TA7874](#)

OVERLOAD

- Length: 25 mm
- Height: 5,6 mm

Used on BoSS X3X, BoSS X3,
BoSS X2

REF [151TA3503](#)



- Length: 500 mm
- Height: 128 mm

Used on BoSS X3X-SP

REF [151TA3616](#)

USED ON YOUNGMAN



WHEELS & TYRES

CASTORS						
	Diameter wheel mm	Number of bolt holes	Width wheel mm	Total height mm	Used on	REF
	200	4	50	236	BoSS X3X, BoSS X3, BoSS X2	151TA3486
	200	4	50	236	BoSS X3X, BoSS X3, BoSS X2	151TA3489
	152	4	64	200	BoSS X3X-SP	151TA3605
	200	4	50	235	BoSS X3X, BoSS X3, BoSS X2	151TA3485