



USED ON  
**GENIE**

# USED ON GENIE



JOYSTICKS & CONTROL BOXES

## ELECTRONIC JOYSTICKS



Dual-axis

REF [160TA9602](#)



Dual-axis

REF [139TA5049](#)



Dual-axis

REF [139TA5047](#)



Dual-axis

REF [139TA5041](#)



Single-axis

REF [145TA3105](#)



Single-axis

REF [140TA8494](#)



Single-axis

REF [139TA5042](#)



Single-axis

REF [161TA4373](#)



Single-axis

REF [161TA4533](#)



Single-axis

REF [161TA4783](#)

# USED ON GENIE



## ELECTRONIC JOYSTICKS



Single-axis

REF [139TA5046](#)



Single-axis

REF [161TA4097](#)



Traction and direction joystick

REF [126TA5245](#)



Single-axis

REF [127TA2666](#)



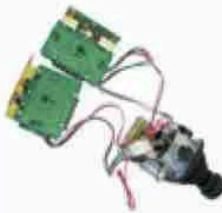
Single-axis

REF [127TA2658](#)



Analog rocker assembly

REF [127TA2750](#)



Dual-axis

REF [127TA2659](#)



Dual-axis

REF [126TA4720](#)



Single-axis

REF [139TA1754](#)



Drive and steer

REF [127TA2663](#)

JOYSTICKS & CONTROL BOXES

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JOYSTICKS & CONTROL BOXES

## ELECTRONIC JOYSTICKS



Single-axis

REF [127TA2664](#)



Single-axis

REF [127TA2533](#)



Dual-axis

REF [127TA2661](#)



Single-axis

REF [160TA7389](#)



Single-axis

REF [127TA2548](#)



Platform control

REF [165TA3875](#)



Single-axis

REF [127TA2575](#)

Depends on type and serial n°, for more info contact your sales advisor.

## CABLE LOOM JOYSTICK



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 135 mm
- Number of plugs: 2

Used on Z-45/25IC from serial n° 9996 to 99999, Z-51/30J, S-60, S-120, S-80, S-100, S-40, Z-60/34, Z-80/60, Z-45/25

REF [139TA5053](#)



# USED ON GENIE



JOYSTICKS & CONTROL BOXES

## CONTROL BOXES



Platform kit

Used on GS1530/1930, GS2046/2646-GS3232, GS2032/2632

**REF [139TA1758](#)**



Platform control box

Used on GS1530/3246, GS30/32/46, QS12,15,20(R)(W), GR12,15,20, GRC12

**REF [139TA1753](#)**



Platform control box

Used on GS84/90, GS3390/5390, GS2268RT/GS3268RT, GS4390/5390

**REF [145TA2882](#)**



Joystick control panel

Used on 4047, GS2032/3246, GS1530/1532/1930/1932, GS2646AV-AV35, GR12/15/20

**REF [161TA5597](#)**



Joystick control panel

Used on 4047, GS2032/3246, QS12/15/20(R)(W), GS2646AV/AV35, GS1530/1532/1930/1932

**REF [145TA3121](#)**



Joystick control panel

Used on 4047, GS2032/3246, GS1530/1532/1930/1932, GS2646AV-AV35, GR12/15/20, QS12/15/20(R)(W), GRC12

**REF [165TA3876](#)**

## ELECTRICITY CLOSETS AND BOXES



- Length: 700 mm
- Width: 240 mm

Used on Z-51/30J, Z-60/34, Z-45/25, Z-45/25IC from serial n° 9996 to 99999

**REF [161TA1673](#)**

## USED ON GENIE



## CONTROLLERS &amp; PRINTED CIRCUIT BOARDS

## MOTOR CONTROLLERS



- Platform control box
- Dimensions: 80 x 178 x 230 mm

Used on Z-34/22(N/DC/BI-ENERGY)

**REF [161TA1550](#)**



- Electronic control unit
- Dimensions: 325 x 185 x 45 mm

Used on GS3390/4390/53, GS4390/5390

**REF [165TA3877](#)**



- Controller - motor DC
- Dimensions: 156 x 146 x 79 mm

Used on GS-2046, GS-1530 from serial n° 00001 to 75999, TMZ-50/30, GS-2032, RUNABOUT, TZ-50, TMZ-34/19, TZ-34/20, GS-30, GR-8, GR-12, GRC-12, QS-12R

**REF [128TA2985](#)**



- Variable speed unit
- Dimensions: 200 x 150 x 85 mm

Used on GR-20J/26J

**REF [160TA6272](#)**



- Controller 36-48 V
- Dimensions: 225 x 142 x 74 mm

Used on Z-34/22N, Z-30/20N, GS-2668 DC, Z-34/22, Z-30/20, GS-2668DC

**REF [161TA1421](#)**



- Controller sepex motor
- Dimensions: 230 x 180 x 76 mm

Used on Z45/25(J/DC/BI-ENERGY)

**REF [161TA2011](#)**



- Controller 36-48 V
- Dimensions: 149 x 145 x 65 mm

Used on GS1530/3246, TZ50, GRC12, QS12/15/20(R)(W), GR8/12/15

**REF [161TA5725](#)**

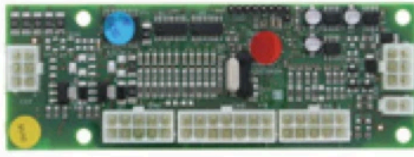


Electronic control unit

# USED ON GENIE



## PRINTED CIRCUIT BOARDS



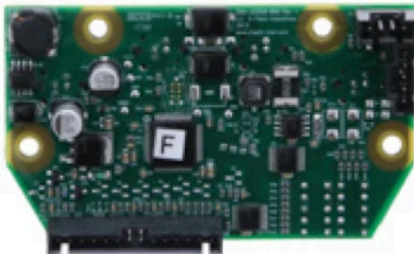
Electronic plate  
Used on GR-20J



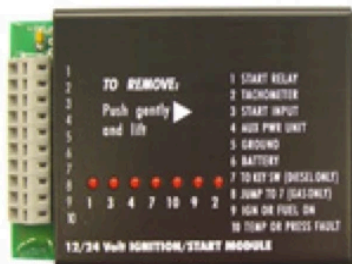
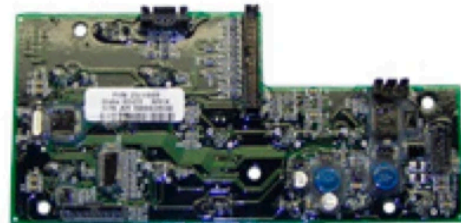
Electronic timer assembly 60 Hz  
Used on Z-30/20N, Z-45/22, Z-34/22N, Z-45/25, Z-25/8, Z-34/22, Z-30/20, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/22DC, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, Z-40/23 N



Used on GS-30, GS-2668 DC, GS-1530 from serial n° 00001 to 75999, GS-2046, GS-2032, GS-2668DC



Connector for factory programming



Ignition start (after serial n° 2599)



Electronic card control box

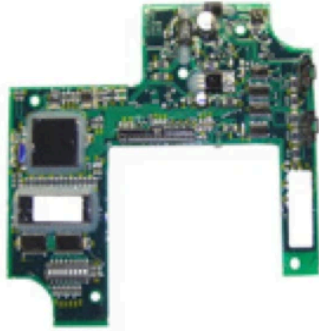
CONTROLLERS & PRINTED CIRCUIT BOARDS

# USED ON GENIE

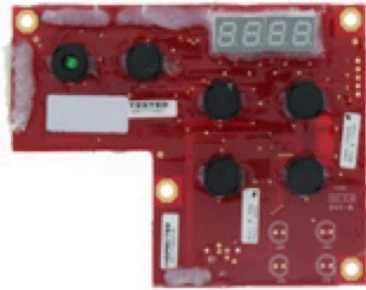


CONTROLLERS & PRINTED CIRCUIT BOARDS

## PRINTED CIRCUIT BOARDS



DNS card fitted on machine



Electronic control unit

Although these electronic cards 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!



# USED ON GENIE



ELECTRICAL PARTS

## AUTOMATIC FUSES



- Type of fuse: fuse with push button
- Voltage: 28 VDC, 240 VAC
- Current: 15 A

Used on S-40, S-60, S-80, Z-60/34, Z-45/22DC, Z-45/25, Z-45/25J, Z-51/30J, Z-34/22N, Z-40/23N, Z-34/22 IC, Z-45/25IC, Z-30/20N, Z-45/22IC, S-80X, Z-45/22 MP, TML-4000N, TML-4000, Z-40/23 N

REF [165TA3878](#)



- Type of fuse: fuse with push button
- Voltage: 50 VDC, 250 VAC
- Current: 50 A

Used on RUNABOUT, GR-8, GS-2032, GS-2046, GS-1530 from serial n° 00001 to 75999

REF [122TA7787](#)

## DASHBOARD WARNING LIGHTS



- Length: 40 mm
- Built-in diameter: 12,7 mm
- Lens colour: red

Used on Z-45/25, Z-40/23 N, Z-45/25IC from serial n° 9996 to 99999, Z-34/22N, Z-30/20N, Z-51/30J, Z-33/18

REF [161TA4836](#)



- Length: 40 mm
- Built-in diameter: 16 mm
- Lens colour: red

REF [161TA5143](#)

# USED ON GENIE



## ELECTRICAL PARTS

### BUZZERS/BACK-UP ALARMS

	Voltage V	Volume dB	Built-in diameter mm	Used on	REF
	30	96	29	GS-30, GS-1530 from serial n° 00001 to 75999, GR-12, GS-2046, GS-2032, GS-2668 DC, GRC-12, QS-12R, GS-2646, GS-2668DC	<a href="#">161TA2053</a>
	5-16	85-95	27,8	S-120, S-100, Z-80/60, Z-135/70, S-3800, ZX-135/70, SX-180	<a href="#">161TA1664</a>
	5-30	90	29	GS-2046, S-60, GS-2032, Z-34/22N, Z-34/22G, Z-45/25IC from serial n° 9996 to 99999, Z-45/22, S-40, Z-60/34, S-80, Z-25/B, Z-45/25, Z-30/20N, Z-34/22 BI-ENERGY, GS-1530 from serial n° 00001 to 75999, Z-34/22, V-2470, V-1832, Z-30/20, Z-51/3.	<a href="#">151TA2422</a>
	6-28	95-108 (at sound pressure level 30 cm)	29	GS26693369/4069DC, GS2032/3246, QS12/15/20(R)(W), GRC12	<a href="#">128TA3427</a>
	5-25	93	29	S40/45, S80/85, Z45/25IC-Z4525/J IC, GR20/26J	<a href="#">128TA3429</a>
	6-28	90	27	GR-20/26J	<a href="#">160TA5461</a>

## USED ON GENIE



## HORN



- Volume: 110 dB
- Voltage: 24 V
- Type of mounting: L-bracket
- Diameter: 101 mm

Used on Z-34/22N, Z-30/20N, Z-45/25, Z-34/22, GS-1530 from serial n° 00001 to 75999, Z-45/25DC from serial n° 9996 to 99999, Z34/22 DC, GR-12, Z-40/23N, TZ-34/20, GS-30, GS-2668 DC, GS-2046, GS-2032, GRC-12, QS-12R, Z-45/25J, Z-45/25 BI-ENERGY, GS-2668DC, TZ-50, Z-40/23 N, Z-33/18, GS-2669BE, GS-2668RT, GS-2669DC, GS-4047, GS-2646 AV

REF [126TA6165](#)

ELECTRICAL PARTS

## CABLE LOOMS

	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	12 800	1	DPL-25S, AWP SUPER SERIES, IWP SUPER SERIES	<a href="#">160TA9716</a>
	6	Multiple cables	220	2	AWP, CPW, DPL, GR, GRC, Genielift, GS, IWP, QS, TMZ	<a href="#">128TA3088</a>
	6	Multiple cables	675	2	GS-1530, GS-2032, GS-4047	<a href="#">161TA4383</a>
	6	Multiple cables	1100	2	GS-30, GS-1530	<a href="#">160TA9869</a>
	6	Multiple cables	1145	2	GR-12, GS-2669 DC, GS-1530, GS-2032, QS-12R, GRC-12, GS-2669BE, GS-2669DC, GS-4047, GS-2646 AV	<a href="#">161TA1710</a>
	6	Multiple cables	1680	2	GR-12, GRC-12, QS-12R, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-3384, GS-84, GS-30, GS-2668 DC, GS-3390, GS-2668 RT, GS-2646, GS-2668DC, GS-2046, GS-2668RT, GS-2668	<a href="#">161TA2154</a>

# USED ON GENIE



ELECTRICAL PARTS

CABLE LOOMS						
	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	6450	2	GS-84, GS-3384	<a href="#">160TA9678</a>
	6	Multiple cables	6766	2	GR-12, QS-12R	<a href="#">160TA9864</a>
	6	Multiple cables	7030	2	GS-30, GS-1530 from serial n° 00001 to 75999	<a href="#">161TA1647</a>
	6	Multiple cables	8270	2	GS-30, GS-1530 from serial n° 00001 to 75999	<a href="#">160TA9834</a>
	6	Multiple cables	8205	2	GS-2032, GS-2046	<a href="#">160TA6163</a>
	6	Multiple cables	14 200	2	GS-2668 DC, GS-2668 RT, GS-2668DC, GS-2668RT, GS-2668	<a href="#">160TA9346</a>
	6	Multiple cables	14 930	2	GS-3390, GS-3384, GS-84	<a href="#">160TA9563</a>
	6	Multiple cables	20 880	2	S-60	<a href="#">160TA9250</a>



## USED ON GENIE



ELECTRICAL PARTS

CABLE LOOMS						
	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	20 900	2	S-60	<a href="#">160TA9282</a>
	6	Multiple cables	24 350	2	GS-3390, GS-84, GS-3384	<a href="#">160TA9361</a>
	6	Multiple cables	375	3	GS-2668 DC, GS-2046, GS-2668 RT, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-2668DC, GS-2668RT	<a href="#">160TA9797</a>
	6	Multiple cables	1440	4	GS-2668 DC, GS-2046, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-2668DC	<a href="#">128TA3089</a>
	6	Multiple cables	2020	4	GS-30, GS-1530 from serial n° 00001 to 75999	<a href="#">160TA7843</a>
	6	Multiple cables	17 550	4	Z-45/25IC from serial n° 9996 to 99999, Z-45/25, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-51/30J	<a href="#">160TA9726</a>
	6	Multiple cables	18 000	4	S-40	<a href="#">160TA8591</a>
	6	Multiple cables	1845	10	S-120, S-100, S-80, S-60	<a href="#">160TA7961</a>

# USED ON GENIE



## ELECTRICAL PARTS

### CONTACT BLOCKS



- Voltage: 400 V
- Current: 10 A
- 2 x NO contact

Used on GS-3390, TZ-50, TMZ-50/30, Z-60/34, TZ-34/20, GR-8, GS-2668 DC, DPL-25S, AWP SUPER SERIES, GS-2046, GS-2668 RT, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-3384, IWP SUPER SERIES, S-40, Z-45/25IC from serial n° 9996 to 99999, S-80, Z-45/25, GS-2668DC, Z-51/30J, Z-33/18, Z-62

**REF [127TA2439](#)**



- Voltage: 240 VAC
- Current: 6 A
- NO contact

Used on Z-34/22IC, Z-30/20N, Z-45/25, S-60, Z-25/8, Z-45/22, S-40, Z-34/22N, Z-60/34, RUNABOUT, Z-34/22 BI-ENERGY, DPL-25S, AWP SUPER SERIES, AWP from serial n° 0000-00000 to 9999-99999, CWP-8S, Z-34/22, S-80, IWP SUPER SERIES, Z-45/25IC from serial n° 9996 to 99999, Z-45/25DC from serial n° 9996 to 99999, Z-34/22G

**REF [146TA8810](#)**



- Voltage: 240 VAC
- Current: 3 A
- 2 x NC contact

Used on S-80, TZ-50, Z-80/60, TZ-34/20, GS-2646 AV

**REF [160TA8019](#)**



- Voltage: 380 VAC
- Current: 10 A
- NO contact + NC contact

Used on GRC-12, GS-2046, S-60, GS-3390, GR-12, Z-30/20N, S-40, Z-60/34, Z-34/22IC, Z-34/22N, Z-45/22, Z-45/25, S-80, RUNABOUT, Z-45/25IC from serial n° 9996 to 99999, TZ-50, Z-34/22 BI-ENERGY, GS-1530 from serial n° 00001 to 75999, TZ-34/20, GS-30, GS-2668 DC, GR-8

**REF [146TA1860](#)**

## USED ON GENIE



## CONTACT BLOCKS



- Voltage: 240 VAC
- Current: 3 A
- 2 x NC contact

Used on GS-3390, Z-45/25DC from serial n° 9996 to 99999, S-40, Z-34/22N, Z-60/34, Z-34/22IC, Z-30/20N, Z-25/8, S-60, Z-45/22, Z-45/25, S-80, Z-34/22 BI-ENERGY, CWP-8S, Z-34/22, Z-45/25IC from serial n° 9996 to 99999, GS-2046, Z-80/60, Z-34/22G, Z34/22 DC, V-2470

**REF [146TA6011](#)**



- Voltage: 240 VAC
- Current: 4 A
- 2 x NO contact

Used on Z-45/22, Z-60/34, V-2470, V-1832, Z-30/20, Z-45/22D, S-60, V-4M

**REF [146TA6010](#)**



- Voltage: 240 VAC
- Current: 3 A
- NC contact

Used on GTH-3713, GTH-4016SR, GTH-4010, GTH-4017 SX, GTH-4013, GYRO-4020, GTH-3512SX, GTH-4514, GTH-4017, GTH-4017EX, GTH-4013SX, GTH-4013EX, GTH-3713SX, GTH-3512ACF, GTH-5022R, GTH-3713AU, GTH-6025ER, GTH-4013 SX, GR-20J, GTH-5021R, GTH-4014 III A, AGRILIFT 737

**REF [139TA5100](#)**



- Voltage: 400 V
- Current: 10 A
- NO contact

Used on GTH-3713, Z-60/34, Z-45/22, AWP from serial n° 0000-00000 to 9999-99999, IWP, V-2470, V-1832, Z-30/20, Z-45/22D, S-60, GENIE IWP, V-4M, GTH-4016SR, GTH-3007, GTH-2506, GTH-4010, GTH-4017 SX, GTH-4013, GYRO-4020, GTH-3512SX, GTH-4514, GTH-4017, GTH-4013SX, GTH-4013EX, GTH-3713SX, GTH-3512ACF, GTH-5022R, GTH-3713AU, GTH-6025ER, GTH-4013 SX, GTH-3007FMS, GTH-5021R, GTH-2506 III A, GTH-4014 III

**REF [138TA7183](#)**

# USED ON GENIE



ELECTRICAL PARTS

## CONTACT BLOCKS



- Voltage: 230 VAC
- Current: 6 A
- NC contact

Used on GS-2046, GS-2032, RUNABOUT, GS-1530 from serial n° 00001 to 75999, GR-8, DPL-25S, AWP SUPER SERIES, AWP from serial n° 0000-00000 to 9999-99999, GS-2668 RT, S-120, S-100, IWP SUPER SERIES, TMZ-50/30, TMZ-34/19

**REF [161TA1047](#)**

## COMPLETE CONTACTORS

	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blows out	Dust cover	Used on	REF
	12 DC	80	80	No	No	DPL-25S, AWP SUPER SERIES, CWP-8S, IWP SUPER SERIES, CWP SUPER SERIES	<a href="#">160TA7679</a>
	12 DC	100	100	No	No	S-80, S-60, S-40, Z-60/34, Z-135/70	<a href="#">160TA9061</a>
	12	150	150	No	No	Z-34/22IC, GS-84, GS-3384, Z-34/22 IC, Z-45/25, GS-3390, TMZ-50/30, Z-25/8, Z-34/22, Z-45/22, Z-45/25IC from serial n° 9996 to 99999, Z-34/22G	<a href="#">160TA9767</a>
	12	80	80	No	No	GS-3390, Z-60/34, S-40, Z-45/25IC from serial n° 9996 to 99999, Z-45/25, S-80, GS-3384, S-60, Z-51/30J, Z-45/22, GS-84, Z-45/22IC	<a href="#">126TA4732</a>
	12	150	150	Yes	No	Z-45/22, Z-45/22 MP	<a href="#">106TA1646</a>



## USED ON GENIE



COMPLETE CONTACTORS							
	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blows out	Dust cover	Used on	REF
	24	200	200	No	Yes	Z-25/8, Z-30/20N, Z-34/22N, Z-40/23N, Z-45/25, GS-2046, Z-34/22, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, GS-2669 DC, GS-1530, GS-2032, TZ-50, TZ-34/20, Z-40/23 N, Z-33/18, GS-2669BE, GS-30, GS-2669DC, GS-4047, GS-2646 AV	<a href="#">161TA2123</a>
	24	200	200	No	No	V-2470, Z-30/20, V-4M, TMZ-34/19, GTH-644, TS20	<a href="#">111TA4054</a>
	24	150	150	Yes	No		<a href="#">106TA1645</a>
	24	200	200	No	No	Z-30/20N, GS1530/GS1930, Z-34/22N, Z-34/22N-Z-34/22DC, GS2046/GS2646/GS32	<a href="#">128TA3008</a>
	24	150	150	No	Yes		<a href="#">107TA1359</a>
	24	80	80	No	No		<a href="#">128TA3000</a>

ELECTRICAL PARTS

# USED ON GENIE



ELECTRICAL PARTS

## CONVERTERS



- Minimum voltage: 12 V
- Type of voltage: DC
- Outgoing voltage: 220 V
- Current: 5 A
- Number of terminals: 5

Used on S-100, S-80, Z-45/25IC from serial n° 9996 to 99999, S-120, S-60, Z-135/70, Z-80/60, Z-51/30J, Z-45/25, ZX-135/70, S-80X

**REF [160TA5433](#)**



- Minimum voltage: 48 V
- Type of voltage: DC
- Outgoing voltage: 26 V
- Current: 13 A
- Number of terminals: 4

Used on GS-2668 DC, GS-2668DC, Z-45/25, Z-40/23 N, Z-34/22N, Z-30/20N, Z-33/18, GS-2669BE

**REF [160TA9817](#)**

## PLUG AC



- Current: 16 A
- Voltage: 110 V
- 3-pins

Used on GS-2046, GS-3390, Z-34/22N, Z-45/25IC from serial n° 9996 to 99999, S-80, Z-60/34, Z-45/22, S-40, S-60, AWP from serial n° 0000-00000 to 9999-99999, GS-30, GS-2668 DC, GR-8, GL-4, AWP SUPER SERIES, GS-2032, IWP, DPL-25S, GS-1530 from serial n° 00001 to 75999, GS-2668 RT, V-1832, GS-3384

**REF [139TA1764](#)**

## REGULATOR



Voltage: 48 V

Used on Z-34/22N, Z-45/25; Z-34/22 BI-ENERGY, Z-45/25J, Z-45/25 BI-ENERGY, Z-34/22

**REF [161TA1196](#)**

# USED ON GENIE



ELECTRICAL PARTS

RELAYS					
	Voltage V	Type of voltage	Current A	Used on	REF
<b>Mini</b>					
	12	DC	20/15	GS2669/3369/4069-R, SX180, GTH644/844, GTH1056, S100/105	<a href="#">128TA3015</a>
	12	DC	40/30	GTH6622, GTH3007, GTH2506, GTH2306, SX180, GTH1056, S40/45	<a href="#">124TA4685</a>
	12	DC	70	Z45/22MP, Z60/34, S60	<a href="#">131TA2657</a>
	24	DC	20/10	GS2046/2646/32, Z34/22 BI-ENERGY, Z34/22 BI-ENERGY POWER, GS1530/1930, GS2669/3369/4069DC	<a href="#">165TA2594</a>
	24	DC	20/15	GS1530/3246, TZ34/20, TZ50, QS12,15,20(R)(W)	<a href="#">131TA2656</a>
<b>General purpose and power</b>					
	12	DC	10	Z45/22MP, Z45/22, Z60/34, S60, Z60/34	<a href="#">128TA3016</a>
	24	DC	10	GR8/12/15, V4M, GS3384, Z30/20	<a href="#">128TA3018</a>
	12	DC	10	Z45/22MP, Z45/22, Z60/34, S60, Z60/34	<a href="#">128TA3014</a>
	24	DC	10	Z30/20N, Z34/22N, Z34/22DC, Z34/22 BI-ENERGY, Z30/20N	<a href="#">128TA3017</a>

# USED ON GENIE



ELECTRICAL PARTS

## STARTER RELAYS



- Voltage: 12 V
- 3 terminals intermittent

Used on Z-45/22, Z-45/25, Z-34/22IC, Z-34/22N, Z-34/22 BI-ENERGY, GS-2668 RT, Z-34/22, Z-34/22G, Z-45/25DC from serial n° 9996 to 99999, Z-34/22 IC, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, Z-45/22 MP, GS-2668RT, GS-2668

**REF [160TA7524](#)**

## TIMER RELAYS



- For 12 V machines
- 2 sec

Used on S-40, Z-60/34, S-60, S-80X, Z-45/25, Z-34/22 IC, Z-51/30J, Z-45/25IC from serial n° 9996 to 99999, Z-62/40

**REF [160TA6702](#)**



- For 12-24 V machines
- 0,5 sec

Used on S-80, S-100, S-120, Z-80/60, S-60, Z-135/70, S-80X, S-3800, ZX-135/70, Z-62/40, SX-180, GS-2668RT

**REF [161TA1993](#)**



- For 24 V machines
- 2 sec

Used on Z-45/25, Z-34/22N, Z-30/20N, Z-62/40

**REF [160TA6309](#)**



## USED ON GENIE



ELECTRIC MOTORS							
	Minimum voltage V	Current A	Revolutions/ minute rpm	Power kW	Direction of rotation	Used on	REF
	12		1800	1,6	CCW	DPL-25S, AWP SUPER SERIES, CWP-8S, IWP SUPER SERIES, POWERED SUPERLIFT ADVANT., CWP SUPER SERIES	<a href="#">160TA7902</a>
	12		4000	0,8	CCW	GS-3390, Z-34/22IC, GS-3384, TMZ-50/30, Z-34/22, Z-45/22, Z-45/25IC from serial n° 9996 to 99999, GS-84, Z-45/25, Z-34/22G, Z-34/22 IC	<a href="#">161TA1475</a>
	24	140	4200	2,2	CW	GR-20J	<a href="#">160TA7974</a>
	24	180	3040	3,3	CW	TZ-50, GR-8, GR-12, GRC-12, QS-12R	<a href="#">160TA9756</a>
	24	70	3000	1,2	CCW	Z-34/22N, Z-25/8, Z-45/25, Z-30/20N, Z-45/22, Z-40/23N, Z-34/22 BI-ENERGY, Z-34/22, Z-45/25DC from serial n° 9996 to 99999, Z-45/22DC, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, Z-40/23 N	<a href="#">161TA1807</a>
	24	82	2727	1,25	CW & CCW	Z-34/22 BI-ENERGY, Z-34/22N, Z-45/25 BI-ENERGY, Z34/22 DC	<a href="#">161TA4775</a>

ELECTRICAL PARTS

## USED ON GENIE



## ELECTRICAL PARTS

## ELECTRIC MOTORS

	Minimum voltage V	Current A	Revolutions/ minute rpm	Power kW	Direction of rotation	Used on	REF
	48	70	3290	2,53	CCW	Z-30/20N	<a href="#">128TA2931</a>
	48	80	1800		CCW	Z-25/8, GS-2668 DC, GS-2668DC	<a href="#">160TA9275</a>
	48	145	2500	3,6	CW	Z-34/22N, Z-45/25, Z-30/20N, Z-34/22, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, GS-30	<a href="#">164TA1124</a>
	12-24		3040	3,3		GS1530 to GS4047, TMZ, TZ	<a href="#">128TA2934</a>

## CARBON BRUSHES



- Thickness: 15,9 mm
- Width: 31,6 mm
- Height: 33,1 mm

Used on Z-45/25, Z-45/25DC  
from serial n° 9996 to 99999

REF [140TA4563](#)



- Thickness: 16 mm
- Width: 24,6 mm
- Height: 33,5 mm

Used on Z-25/8, GS-2668 DC,  
Z-45/25, Z-60/34, GS-2668DC

REF [126TA6206](#)

# USED ON GENIE



## CARBON BRUSH KITS



- Thickness: 12,6 mm
- Width: 31,7 mm
- Height: 41,7 mm
- Set of 4 brushes

Used on Z-45/25, Z-30/20N, Z-34/22N, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC

**REF [141TA1097](#)**



- Thickness: 7 mm
- Width: 22 mm
- Height: 19,3 mm
- Set of 2 x 4 brushes

Used on V-2470, V-4M

**REF [141TA4053](#)**



- Thickness: 9,4 mm
- Width: 20,5 mm
- Height: 28,5 mm
- Set of 4 brushes

Used on Z-34/22N, Z-30/20N, Z-34/22

**REF [121TA2263](#)**

# USED ON GENIE



## SWITCHES

### CAM SWITCH



24 V with ramp

Used on Z-30/20N, Z-30/20, Z-45/22, Z-34/22N, Z-34/22, Z34/22 DC

**REF [161TA2016](#)**

### FOOT SWITCHES



Length: 710 mm

Used on ZX-135/70, S-120, Z-135/70, SX-180

**REF [160TA7363](#)**



Used on Z-34/22(N/DC/BI-ENERGY, Z-34/22IC, Z34/22N\_Z-34/22DC, Z-30/20N, Z-34/22 IC POWER

**REF [161TA1701](#)**



- Length: 117 mm
- Width: 88,6 mm
- Height: 44 mm

Used on Z-51/30J, Z-45/25\_Z-45/25J, Z-51/30J, Z-45/25(J/DC/BI-ENERGY, Z-45/25IC\_Z-45/25J IC, Z-45/25\_Z-45/25J IC P, S-80X/S-80/S-85, S-80/S-85, S-40/S-45, S-60/S-65, S60/S-65(HC)TRAX, S-60, 65(X)(XC)(HC)(TR), S-60, 65(X)(XC)(HC)(T), S-60/S-65(HC)TRAX

**REF [128TA3056](#)**



Used on S-60/S-65, S-60, S-4/S-45, S-60/S-65(HC)TRAX, S-80/S-85, Z-30/20N, Z-45/22MP, Z-60/34, Z-45/25IC\_Z-45/25J IC, Z-51/30J, Z-34/22(N/DC/BI-ENERGY, Z-51/30J, Z-45/25\_Z-45/25J, Z-34/22IC

**REF [127TA2765](#)**

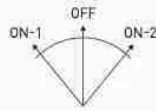


## USED ON GENIE



SWITCHES

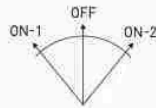
## IGNITION SWITCHES



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 54 mm

Used on SX180, S40/45, S80/85, S60/65, S100/105, S120/125, S3800/3200, GS1530/1930, Z45/22MP, Z60/34.

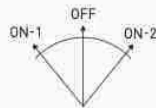
**REF 128TA3048**



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 54 mm

Used on DPL-25S, AWP SUPER SERIES, GS-2046, GS-2032, IWP SUPER SERIES, GS-2668 DC, GS-1530 from serial n° 00001 to 75999, GS-3384, GS-2668 RT, GS-2668DC, GS-3390, GS-2668RT

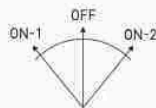
**REF 128TA4030**



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 55 mm

Used on GS-3390, GS-2668 DC, GS-2668 RT, GS-84, S-40, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-2669 DC, GS-2668DC, S-80X, Z-45/25, Z-51/30J, Z-40/23 N, Z-60/34, Z-45/25IC from serial n° 9996 to 99999, Z-33/18, Z-62/40, GS-2669BE, GR-12, GS-2668RT, GS-2669DC, GS-2668, GS-3384

**REF 161TA2127**



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 55 mm

Used on GS2669/3369/4069-R, GS4390/5390, Z34/22 IC POWER, Z30/20N, Z51/30J, Z60/34, Z45/25(J/DC/BI-ENERGY®

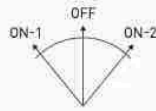
**REF 127TA2749**

## USED ON GENIE



## SWITCHES

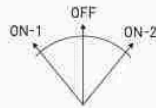
## IGNITION SWITCHES



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 54 mm
- 5 x NC contact

Used on Z80/60, Z135/70

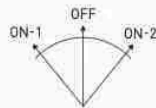
**REF [165TA3879](#)**



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 72,5 mm
- 3 x NO contact

Used on AWP SUPER SERIES, IWP SUPER SERIES, DPL-25S, GR-8, S-80X

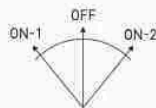
**REF [160TA9246](#)**



- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 99 mm
- 4 x NO contact

Used on S-80, S-40, Z-60/34, Z-45/22 MP

**REF [141TA2579](#)**



- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 90 mm
- 2 x NO contact
- 2 x NC contact

Used on S-40, S-120, S-100, S-3800

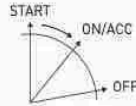
**REF [160TA9086](#)**

## USED ON GENIE



SWITCHES

## IGNITION SWITCHES



- Number of positions: 3
- Built-in diameter: 29 mm
- Total length: 48 mm
- 3 x NO contact
- 3 x NC contact

Used on S-120, S-100, Z-80/60, Z-135/70

REF [160TA9272](#)

## OPERATING HEADS



- Number of positions: 2
- Built-in diameter: 22 mm
- Total length: 35 mm
- Key number: 455

Used on AWP from serial n° 0000-00000 to 9999-99999, IWP, GENIE IWP

REF [161TA1602](#)



- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 48 mm
- Key number: 455

Used on Z-80/60, S-40, S-120, S-100, S-3800, Z-135/70, ZX-135/70, SX-180

REF [161TA1910](#)



- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 35 mm
- Key number: 455

Used on Z-45/22, V-2470, Z-30/20, Z-45/22D, Z-60/34, S-60, V-4M

REF [138TA7121](#)

# USED ON GENIE



SWITCHES

## KEYS FOR IGNITION/DOOR LOCK



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

Used on GS-2046, GS-3390, Z-45/25DC from serial n° 9996 to 99999, Z-34/22N, S-80, Z-60/34, Z-25/8, Z-45/25, S-60, Z-30/20N, Z-45/251C from serial n° 9996 to 99999, Z-40/23N, Z-45/22, S-40, Z-34/221C, RUNABOUT, Z-34/22 BI-ENERGY, GS-1530 from serial n° 00001 to 75999, AWP from serial n° 0000-00000 to 9999-99999, TZ-34/20

**REF [110TA3210](#)**



- Key number: 455
- Set of 10 keys

**REF [127TA2701](#)**



Key number: 3000

**REF [128TA3051](#)**

## LIMIT SWITCHES

	Number of NO contacts	Number of NC contacts	Current A	Used on	REF
	1	1	1,5	GS-2669 DC, GS-2669BE, GS-2668RT, GS-2669DC	<a href="#">146TA5936</a>
	1	1	3	CWP SUPER SERIES, IWP SUPER SERIES	<a href="#">147TA5310</a>
	0	0	10	Z-34/221C, Z-34/22N, Z-30/20N, Z-40/23N, Z-34/22 IC, Z34/22 DC, Z-40/23 N, Z-33/18	<a href="#">147TA2103</a>
	0	1	10	Z-60/34, Z-45/251C from serial n° 9996 to 99999, Z-45/25, S-80, S-60, Z-80/60, Z-135/70, Z-51/30J, S-40, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J	<a href="#">147TA2168</a>



## USED ON GENIE



LIMIT SWITCHES					
	Number of NO contacts	Number of NC contacts	Current A	Used on	REF
	1	1	10	Z-45/25, Z-45/25IC from serial n° 9996 to 99999, GS-3384, GS-84, GS-3390, Z-51/30J	<a href="#">161TA1995</a>
	0	1	3	Z-30/20N, Z-34/22N, Z34/22 DC, Z-34/22 IC	<a href="#">147TA2129</a>
	0	2	1,5	TZ-50, TZ-34/20	<a href="#">147TA5617</a>
	0	2	10	S-120, S-100, S-3800	<a href="#">147TA5373</a>
	0	2	10	S-100, S-120, S-3800	<a href="#">146TA5719</a>
	0	2	10	S-120, S-100	<a href="#">147TA5372</a>
	0	2	10	S-120, S-100, S-3800	<a href="#">147TA2112</a>
	1	0	3	GS-1530, GS-2032, GS-4047, GS-2646 AV	<a href="#">147TA5391</a>
	1	1	1,5	HT2,5EL/1100-1200	<a href="#">147TA5269</a>

SWITCHES

## USED ON GENIE



SWITCHES

LIMIT SWITCHES					
	Number of NO contacts	Number of NC contacts	Current A	Used on	REF
	1	1	10	S-120, S-100, S-3800	<a href="#">147TA5384</a>
	1	1	10	S-120, S-100, S-3800	<a href="#">147TA5383</a>
	1	1	3	Z-80/60	<a href="#">147TA2158</a>
	1	1	3	Z-135/70, ZX-135/70	<a href="#">147TA5417</a>
	1	1	3	Z-45/25, Z-45/25IC from serial n° 9996 to 99999, Z-40/23N, Z-51/30J, S-40, Z-45/25J, Z-40/23 N	<a href="#">147TA2127</a>
	1	1	3	DPL-25S, V-2470, TMZ-34/19	<a href="#">146TA2573</a>
	1	1	3	S120/125, S3800/3200	<a href="#">147TA2114</a>
	1	1	3	S-120, S-100, S-3800	<a href="#">147TA2113</a>
	1	1	3	GS-3384, GS-3390, GS-84	<a href="#">147TA2133</a>

## USED ON GENIE



LIMIT SWITCHES					
	Number of NO contacts	Number of NC contacts	Current A	Used on	REF
	1	1	3	Z-25/8, Z-34/22N, Z34/22 DC, GS-2668 DC, GS-2668 RT, TMZ-34/19, TMZ-50/30, Z-51/30J, Z-60/34, Z-45/25IC from serial n° 9996 to 99999, Z-40/23N, Z-45/25, S-60, GS-30, S-80, Z-34/22 IC, Z-45/22DC, Z-45/25J, Z-45/25 BI-ENERGY, Z-30/20N, Z-45/22IC, Z-45/22 MP, GS-2668DC, Z-34/22	<a href="#">139TA5081</a>
	1	1	3	GRC-12, GR-12, GS-30, GR-8, DPL-25S, GL-4, GS-2032, GS-1530 from serial n° 00001 to 75999, LIFT, GS-2046, GS-2668 DC, S-80, S-60, GENIE LIFT, QS-12R, GS-2668 RT, GS-2668DC, GS-2668RT, GS-4047, GS-2646 AV	<a href="#">146TA9812</a>
	1	1	3	TZ-50, TZ-34/20	<a href="#">139TA5080</a>
	1	1	3	S-60, S-40, S-80	<a href="#">147TA1714</a>
	1	1	3	Z-80/60	<a href="#">151TA1431</a>
	1	1	3	Z-60/34	<a href="#">147TA2136</a>
	1	1	10	GS-3390	<a href="#">147TA2126</a>
	2	0	3	Z-135/70, ZX-135/70	<a href="#">160TA6165</a>
	2	0	3	Z-135/70, ZX-135/70	<a href="#">147TA5419</a>



SWITCHES

# USED ON GENIE



SWITCHES

## LIMIT SWITCHES

	Number of NO contacts	Number of NC contacts	Current A	Used on	REF
	1	1	3	Z30/20N, Z34/22(N/DC/BI-ENERGY), Z34/22(N), GS3384, GS4390/5390	<a href="#">128TA3033</a>
	1	1	3	Z45/22, Z34/22 IC POWER, Z30/20N, Z45/22, TMZ50/30, Z45/25(J/DC/BI-ENERGY), S40/45	<a href="#">128TA3028</a>
	1	1	3	TMZ50/30, GS1530/1930, GS2032, GS3384, GS4390/5390	<a href="#">128TA3030</a>

## MUSHROOMHEAD PUSH BUTTONS



- Built-in diameter: 20 mm
- Diameter knob: 41 mm

Used on TZ-34/20, TMZ-50/30, Z-34/22IC, Z-40/23N, Z-34/22N, Z-45/25IC from serial n° 9996 to 99999, S-80, Z-60/34, TZ-50, GS-2668 DC, GS-2046, GS-2668 RT, S-60, Z-51/30J, DPL-25S, S-40, AWP SUPER SERIES, GS-2032, GS-1530 from serial n° 00001 to 75999, Z-34/22 IC, Z-45/25, Z-45/25J from serial n°

**REF [161TA1796](#)**



- Built-in diameter: 21 mm
- Diameter knob: 40 mm

Used on AWP from serial n° 0000-00000 to 9999-99999, IWP, GENIE IWP, Z-45/22, V-2470, V-1832, Z-30/20, Z-45/22D, Z-60/34, S-60, V-4M

**REF [160TA3323](#)**



# USED ON GENIE



SWITCHES

## MUSHROOMHEAD PUSH BUTTONS



- Built-in diameter: 28 mm
- Diameter knob: 40 mm

Used on GS-2046, GS-3390, Z-45/25DC from serial n° 9996 to 99999, Z-34/22N, Z-60/34, Z-34/22IC, Z-30/20N, Z-25/8, S-60, Z-45/22, Z-45/25, S-40, S-80, RUNABOUT, Z-34/22 BI-ENERGY, GS-1530 from serial n° 00001 to 75999, GS-30, GR-8, DPL-25S, GL-4, AWP SUPER SERIES, CWP-8S, AWP from serial n° 0000-00000 to 9999-99999, GS-2

**REF [161TA2131](#)**



- Emergency button
- Included base with 1 NC contact

Used on GS1530/1930, GS2032/2632, GS2668/3268DC, GS2046/2646/32

**REF [139TA1858](#)**



- Built-in diameter: 29 mm
- Diameter knob: 40 mm

Used on GTH4014/4018, GTH5021R, GTH4031EX/4017, GTH4515AU, GTH4013SX/4017SX

**REF [139TA5098](#)**



Kit, included base with 1 NC contact

Used on S100/105, S120/125, S3800/3200, Z135/70

**REF [161TA1783](#)**

## USED ON GENIE





SWITCHES

PRESSURE CONTACTS							
	Thread	Connection	Switch mode	Pressure range bar	Length mm	Used on	REF
	1/8" BSP conical	1 x screw	NC	0,6	34,5	Z-45/25, Z-34/22IC, Z-34/22N, GS-2668 RT, Z-45/22, Z-45/22D, Z-45/25J, Z-34/22 IC, Z34/22 DC, Z-45/22 MP, GS-2668RT, GS-2668	<a href="#">160TA9995</a>
	1/4" NPT	2 x nut	NC	0,8	84	S40/45, S60/65(X)(XC) (HC)(TRAX), S80/85, GS2668/3268RT	<a href="#">128TA3255</a>
	7/16" UNF	1 x loose connector	Change over	206,8	95,5	GS-30, GS-1530	<a href="#">161TA1814</a>
	7/16" UNF	1 x loose connector	Multiple, different or with signal	12,4–220,6	95,5	GS-3384, GS-2668 DC, GS-84, GS-2668 RT, GS-2032, GS-2668DC, GS-2669BE, GS-2668RT, GS-2669DC, GS-2668	<a href="#">161TA1556</a>
	7/16" UNF	1 x loose connector	Multiple, different or with signal	345	51,7	GS-2669 DC, GS-1530, GS-2032	<a href="#">161TA1381</a>
	7/16" UNF	3 x loose connector	Change over	201 bar/ settable 12,4–220,6 bar	95	GS-30, GS-1530	<a href="#">161TA1024</a>
	7/16" UNF	3 x wires	Change over	205	95	GS-30, GS-1530	<a href="#">161TA1826</a>
	M10	1 x blade	NC	0,5	43,5	GS-3390, S-120, S-100, S-60, Z-60/34, GS-3384, GS-84, S-40, Z-45/25	<a href="#">126TA5405</a>

## USED ON GENIE



PRESSURE CONTACTS							
	Thread	Connection	Switch mode	Pressure range bar	Length mm	Used on	REF
	M10	1 x blade	NC	1,6	43,5	S-80, S-60, S-40, Z-60/34, GS-84, Z-51/30J, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, ZX-135/70, S-80X, S-100, S-120, Z-135/70, Z-80/60, Z-62/40, GS-3390, GS-3384	<a href="#">161TA1116</a>
	M18	2 x blade	Multiple, different or with signal	0,4-0,8	75	S-80, Z-135/70, S-120, Z-80/60, S-60, S-100, S-3800, ZX-135/70, S-80X, Z-62/40, SX-180	<a href="#">161TA1425</a>
	9/16 UNF	2 x blade	2 x blade	38,6	54,5	Z34/22(N/DC/BI-ENERGY), Z34/22N-Z34/22DC, Z30/20N	<a href="#">139TA1839</a>

SWITCHES

## PUSH BUTTONS COMPLETE



- Built-in diameter: 16 mm
- Length: 34 mm
- Button colour: red

Used on GS-2046, GS-1530 from serial n° 00001 to 75999, GS-2032, GS-3390, RUNABOUT, GR-8, GS-2668 DC, GS-2668 RT, GS-3384, GS-2668DC, GS-2668RT, GS-2668

REF [126TA5215](#)



- Built-in diameter: 19 mm
- Length: 310 mm
- Button colour: black

Used on GS-3390, GS-30, GR-12, GS-2668 DC, GS-2668 RT, GS-3384, GS-1530 from serial n° 00001 to 75999, GS-2046, GS-2032, GS-84, GRC-12, QS-12R, GS-2646, GS-2668DC, GS-2668RT, GS-2668

REF [127TA2577](#)

# USED ON GENIE



SWITCHES

## KNOB CONTROLLER



Diameter: 25,3 mm

Used on Z-30/20N, Z-34/22N, Z-34/22IC, Z-45/25, Z-34/22, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-34/22 IC, Z34/22 DC

REF [127TA2592](#)

## ROTARY SWITCH



- Number of positions: 3
- Built-in diameter: 22 mm

Used on AWP SUPER SERIES, AWP from serial n° 0000-00000 to 9999-99999, DPL-25S, CWP-8S, IWP SUPER SERIES, S-60, CWP SUPER SERIES, S-80X

REF [160TA5696](#)

## TOGGLE SWITCHES





	Position	Number of connections	Maximum voltage V	Current A	Used on	REF
	[On]-off-[on]	3	250	12	Z-45/25IC from serial n° 9996 to 99999, S-60, Z-45/25, S-40, S-80, S-120, S-100, Z-60/34, Z-80/60, Z-135/70, Z-51/30J, ZX-135/70, S-80X, Z-62/40, SX-180	<a href="#">147TA2081</a>
	[On]-off-[on]	3	250	12	GS-2046, GS-2032, GS-3390, S-40, Z-34/22N, Z-25/8, S-80, S-60, Z-30/20N, Z-60/34, Z-34/22IC, Z-45/25IC from serial n° 9996 to 99999, Z-45/22, Z-45/25, Z-34/22 BI-ENERGY, GS-1530 from serial n° 00001 to 75999, GS-2668 DC, V-2470/V-2470RT	<a href="#">106TA1443</a>
	[On]-off-[on]	3	250	12	CWP-8S, RUNABOUT, IWP SUPER SERIES, GR-8, GR-12, GRC-12, QS-12R, GS-2032, GS-30, GS-2046, CWP SUPER SERIES, GS-1530	<a href="#">126TA5385</a>



# USED ON GENIE



SWITCHES

TOGGLE SWITCHES						
	Position	Number of connections	Maximum voltage V	Current A	Used on	REF
	On-none-(on)	3	277	10	S-120, S-60, S-40, S-100, Z-60/34, Z-80/60, Z-34/22 IC, Z-30/20N, Z-34/22N, Z-25/8, Z-34/22IC, Z-34/22, Z34/22 DC, S-80X, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, Z-51/30J, SX-180	<a href="#">123TA7602</a>
	On-none-on	3	250	12	Z34/22 IC POWER, Z30/20N, Z51/30J, Z45/25-Z45/25J, Z60/34, S80/85, S60/65(HC)TRAX	<a href="#">146TA1783</a>
	(On)-off-(on)	3	250	10	SX180, S40/45, 6S2669/3369/4069DC, S60/65(X)(XC)(HC)(TRAX)	<a href="#">139TA1770</a>
	On-none-off	4	250	15	V-2470, V-1832, Z-45/22, Z-30/20, Z-30/20HD, V-4M, Z-45/22DC	<a href="#">146TA5676</a>
	(On)-off-(on)	6	277	10	Z-45/25, S-40, S-80, S-60, Z-60/34, Z-34/22 IC, Z-45/25J, Z-51/30J, Z-45/25IC from serial n° 9996 to 99999, Z-30/20N, Z-34/22N, Z-25/8, S-80X, Z-62/40	<a href="#">147TA2080</a>
	On-off-on	6	250	10	S-40, S-80, Z-34/22 IC, Z-45/25J, Z-60/34, Z-45/25	<a href="#">161TA1547</a>
	(On)-off-(on)	6	277	10	S60/65(X)(XC)(HC)(TRAX), Z45/25IC-Z45/25J IC, S51/30J, S60/65(HC)TRAX	<a href="#">127TA2721</a>

## USED ON GENIE



## SWITCHES

## TOGGLE SWITCHES

	Position	Number of connections	Maximum voltage V	Current A	Used on	REF
	On-none-(on)	6	250	12	S-40, S-60, S-80, Z-60/34, Z-34/22 IC, Z-45/25J, Z-51/30J, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, Z-25/8, S-80X, Z-62/40	<a href="#">147TA2079</a>
	On-none-(on)	6	250	12	S60/65(X)(XC)(HC)(TRAX), Z45/25IC-Z45/25J IC, S51/30J	<a href="#">128TA3038</a>
	On-none-on	6	277	15	S-40, S-80, Z-60/34, Z-34/22 IC, Z-45/25J, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, Z-30/20N, Z-34/22N, Z-45/22 MP	<a href="#">147TA2082</a>
	{On}-off-(on)	6	277	15	V2470/2470RT, Z45/22, Z34/22 IC POWER, Z60/34	<a href="#">128TA3039</a>

## TEMPERATURE SWITCHES

	Thread	Voltage V	Switch temperature °C	Maximum temperature °C	Used on	REF
	1/2" NPT male	30 DC	145 ± 2,8	149	Z-60/34, S-60, S-80, GS-3390, S-120, GS-2668 RT, S-100, GS-3384, Z-80/60, Z-135/70, S-40, GS-84, ZX-135/70, GS-2668RT, SX-180, GS-2668	<a href="#">139TA5225</a>
	M14 x 1,5 mm	6-24	150 ± 3	150	S40/45, S60/65, S80/85, GS3384, GS3390/4390/53, GS4390/5390, Z60/34, Z45/25(IC POWER), Z45/22	<a href="#">160TA7072</a>
	M14 x 1,5 mm	6-24	120 ± 3	120	SX180, S40/45, S60/65(X)(XC)(HC)(TRAX), S80/85, ZX135/70, GS2668/3268RT	<a href="#">128TA3257</a>
	M14 x 1,5 mm	6-24	130 ± 3	150	S-120, S-100, GS-3384, GS-84, Z-51/30J, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, GS-3390	<a href="#">160TA9502</a>

# USED ON GENIE



SENSORS

## PROXIMITY SENSORS



- Length: 345 mm
- Switch type: limit switch
- Voltage: 100 VDC, 30 VDC, 12 VDC

Used on S-100, S-120, S-3800

**REF [147TA2102](#)**



### Kit contains:

- 1 speed sensor
- 1 round sensor magnet
- 4 screws

Used on Z-40/23N, Z-40/23 N,  
Z-33/18, GS-2669BE,  
GS-2669DC

**REF [160TA6356](#)**



- Length: 1095 mm
- Diameter: 27,5 mm
- Switch type: tilt sensor

Used on Z-80/60

**REF [160TA8654](#)**

## ENCODER



- Diameter shaft: 10 mm
- Cable length: 970 mm
- Number of pins: 3

Used on S-100, S-120

**REF [160TA9073](#)**

## POTENTIOMETER



- Cable length: 500 mm
- Number of connections: 6

Used on Z-135/70, S-60, S-80X

**REF [138TA8528](#)**

## USED ON GENIE



## SENSORS

TILT SENSORS						
	Height mm	Diameter mm	Detection	Switch type	Voltage V	REF
	13,2	43	35 min per 2 mm	Level bubble	No voltage required	<a href="#">161TA2024</a>
	14	100	1° per 5 mm	Level bubble	No voltage required	<a href="#">138TA7070</a>
	115	97	2,5-4°	Normally open	7-48 DC	<a href="#">161TA2000</a>
	115	96,5	4,5° 1,5 sec delay	Normally open	7-48 DC	<a href="#">161TA2116</a>
	111	96,5	2° front-to-back axis 3° side to side	Normally closed	10-30 DC at 1,5 A or 10-60 DC at 0,5 A	<a href="#">139TA1860</a>
	105	90	1,5°/3° 1,5 sec delay	Normally closed	7-48 DC	<a href="#">139TA1756</a>
	115	89	2°/4° 1,5 sec delay	Normally closed	7-48 DC	<a href="#">128TA2993</a>
	115	89	4,5° 1,5 sec delay	Normally open	7-48 DC	<a href="#">128TA2996</a>
	115	89	2°/3° 1,5 sec delay	Normally closed	7-48 DC	<a href="#">128TA2995</a>



# USED ON GENIE



## BATTERY DISCHARGE INDICATORS



- Voltage: 12-48 V
- Built-in diameter: 52 mm
- Connection: 8-pin molex connector

Used on Z-34/22N, Z-34/22 BI-ENERGY, Z-45/25, Z-45/25 BI-ENERGY, Z-30/20N, Z-34/22

**REF [161TA1950](#)**



- Voltage: 24 V
- Built-in diameter: 52 mm
- Connection: 2 x blade

Used on TMZ-34/19, TZ-50, V-2470, V-4M, Z-45/22DC

**REF [160TA9324](#)**



- Voltage: 36 V
- Built-in diameter: 52 mm
- Connection: LED tab

Used on Z-45/22, Z-30/20HD, Z-45/22 MP

**REF [161TA1824](#)**



- Voltage: 48 V
- Built-in diameter: 52 mm
- Connection: 2 wire tab

Used on Z-30/20N, Z-45/22DC, Z-45/25J, Z-34/22N, Z-25/8

**REF [161TA1439](#)**



- Voltage: 48 V
- Built-in diameter: 52 mm
- Connection: 2 wire tab

Used on Z30/20N, Z34/22N\_ Z34/22DC, Z45/25(J/DC/ BI-ENERGY)

**REF [161TA1985](#)**

INDICATORS & HOUR METERS

# USED ON GENIE



INDICATORS & HOUR METERS

## GLASS LEVEL GAUGE



- Length: 160 mm
- Width: 31,5 mm
- With thermometer

Used on S-100, S-120, S-3800, GS-2669BE, GS-3390, GS-2668RT, GS-2669DC, GS-3384

REF [160TA7729](#)

## OIL PRESSURE GAUGES



Built-in diameter: 52 mm

Used on S-40, S-60, S-80, Z-34/22 IC, Z-60/34, Z-34/22N, S-80X

REF [160TA7873](#)



Built-in diameter: 52 mm

Used on GS-3390, GS-3384, Z-45/25IC from serial n° 9996 to 99999, GS-2668 DC, Z-45/25, Z-135/70, ZX-135/70, S-100, S-120, S-3800, Z-80/60, Z-60/34, S-80, S-40, GS-2668DC

REF [161TA1451](#)

## HOUR METER



- Voltage: 10–80 VDC
- Depth: 53 mm
- Diameter: 56 mm
- Number of digits: 6

Used on GS-2046, GS-3390, Z-60/34, Z-34/22N, GR-12, S-80, Z-25/8, S-40, Z-30/20N, Z-45/25IC from serial n° 9996 to 99999, Z-45/22, Z-34/22IC, Z-45/25, S-60, RUNABOUT, Z-40/23N, TZ-50, GS-1530 from serial n° 00001 to 75999, TZ-34/20, GS-30, GR-8, GS-2668 DC, V-2470

REF [126TA6248](#)

## METER DASHBOARD



- DC current meter 0–30 A
- Built-in diameter: 50,5 mm

Used on GS-2046, Z-40/23N, RUNABOUT, Z-45/25, GS-2668 DC, GR-8, GS-2032, GS-1530 from serial n° 00001 to 75999, TMZ-34/19, TMZ-50/30, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, GS-2668DC

REF [161TA1555](#)