

Geodyna

Optima

Spare Parts Manual



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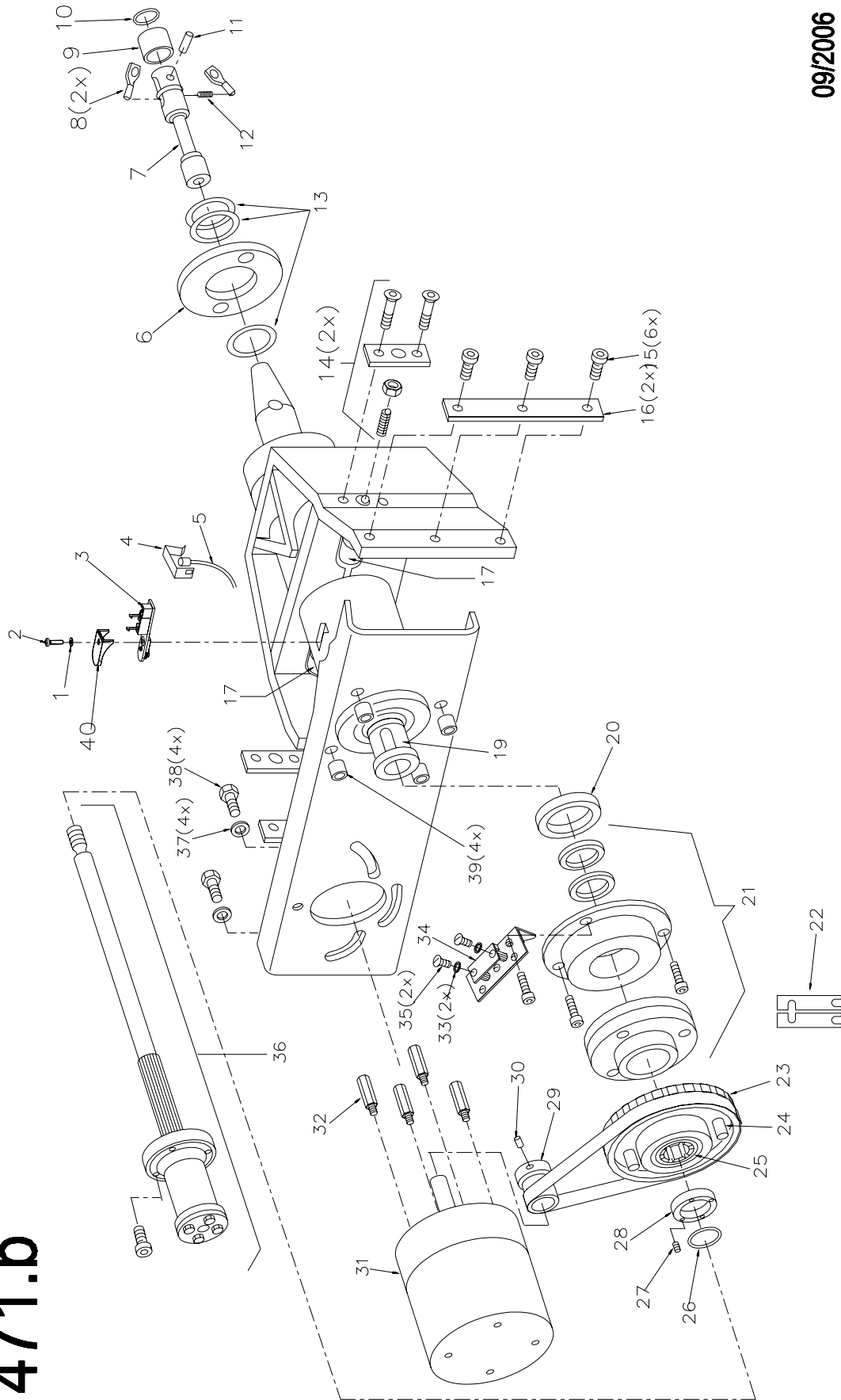


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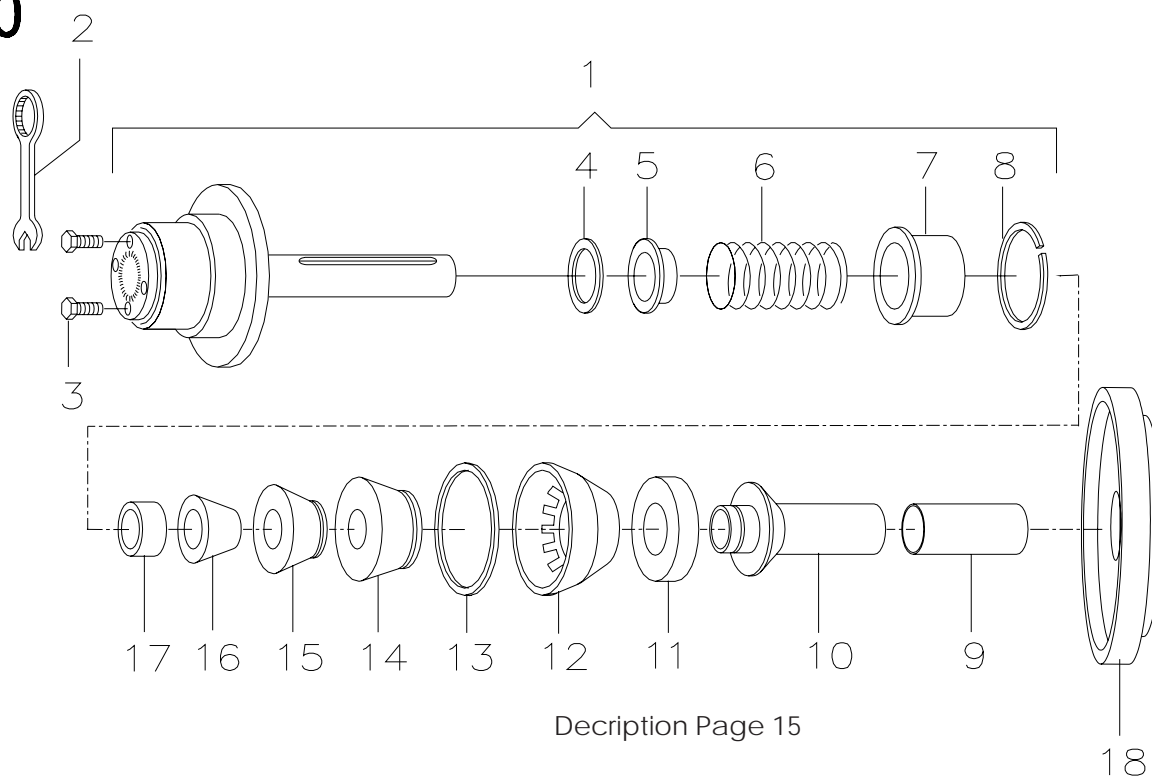
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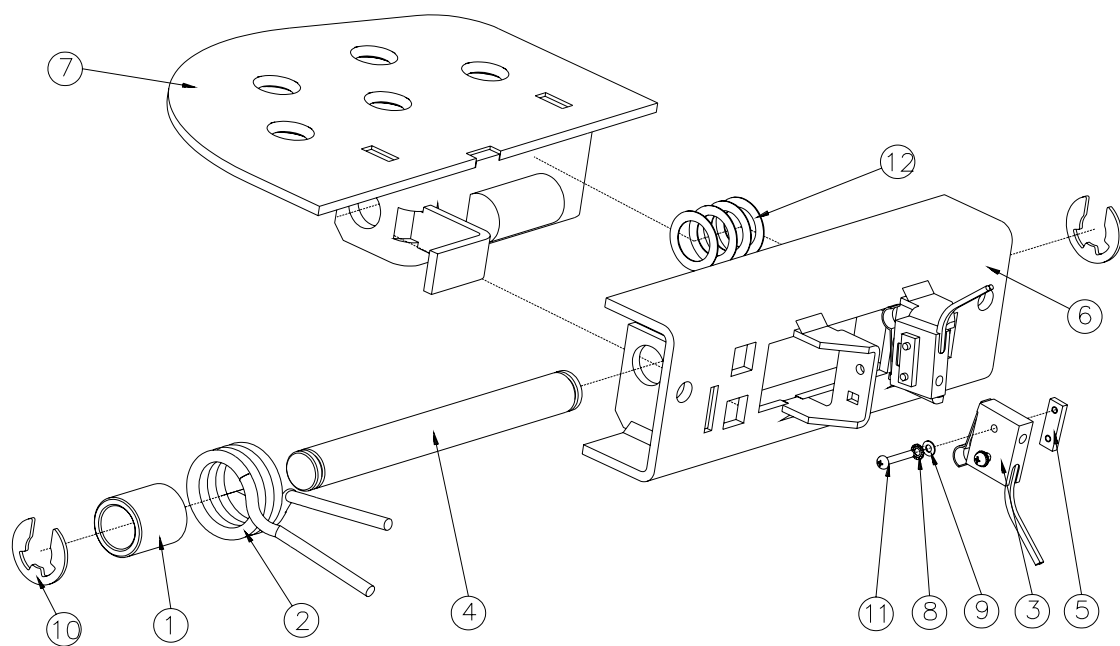


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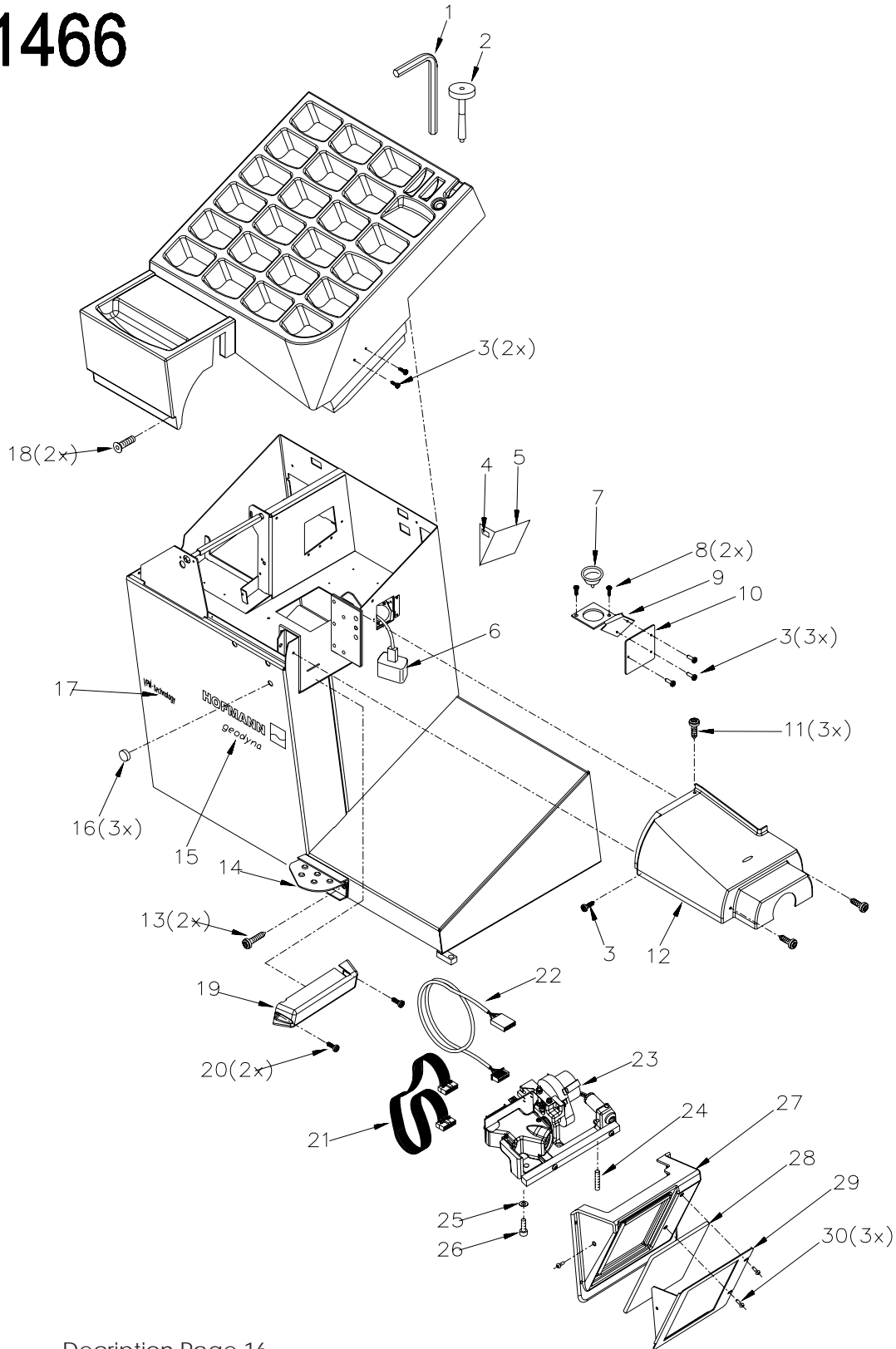
Pedal assembly

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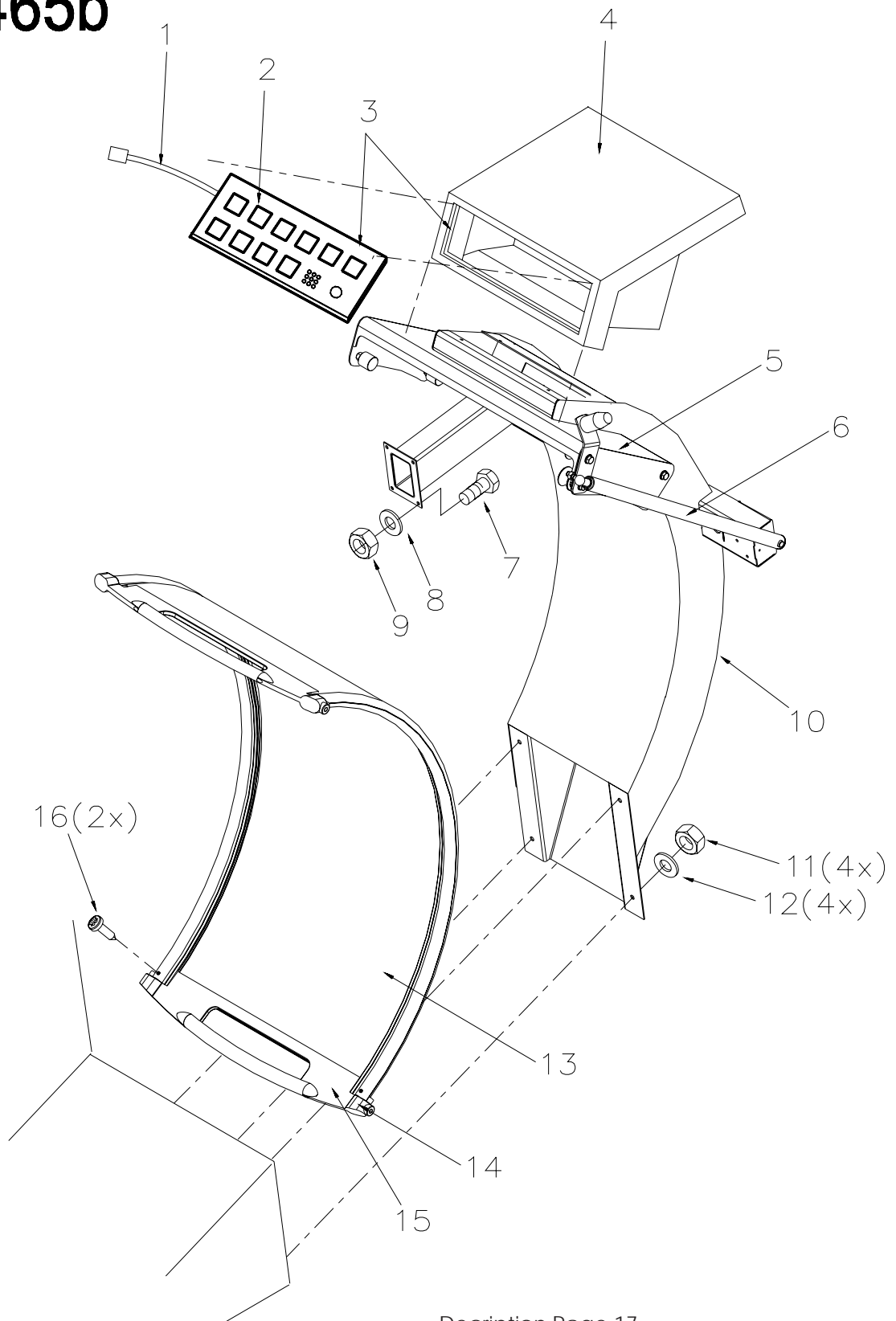
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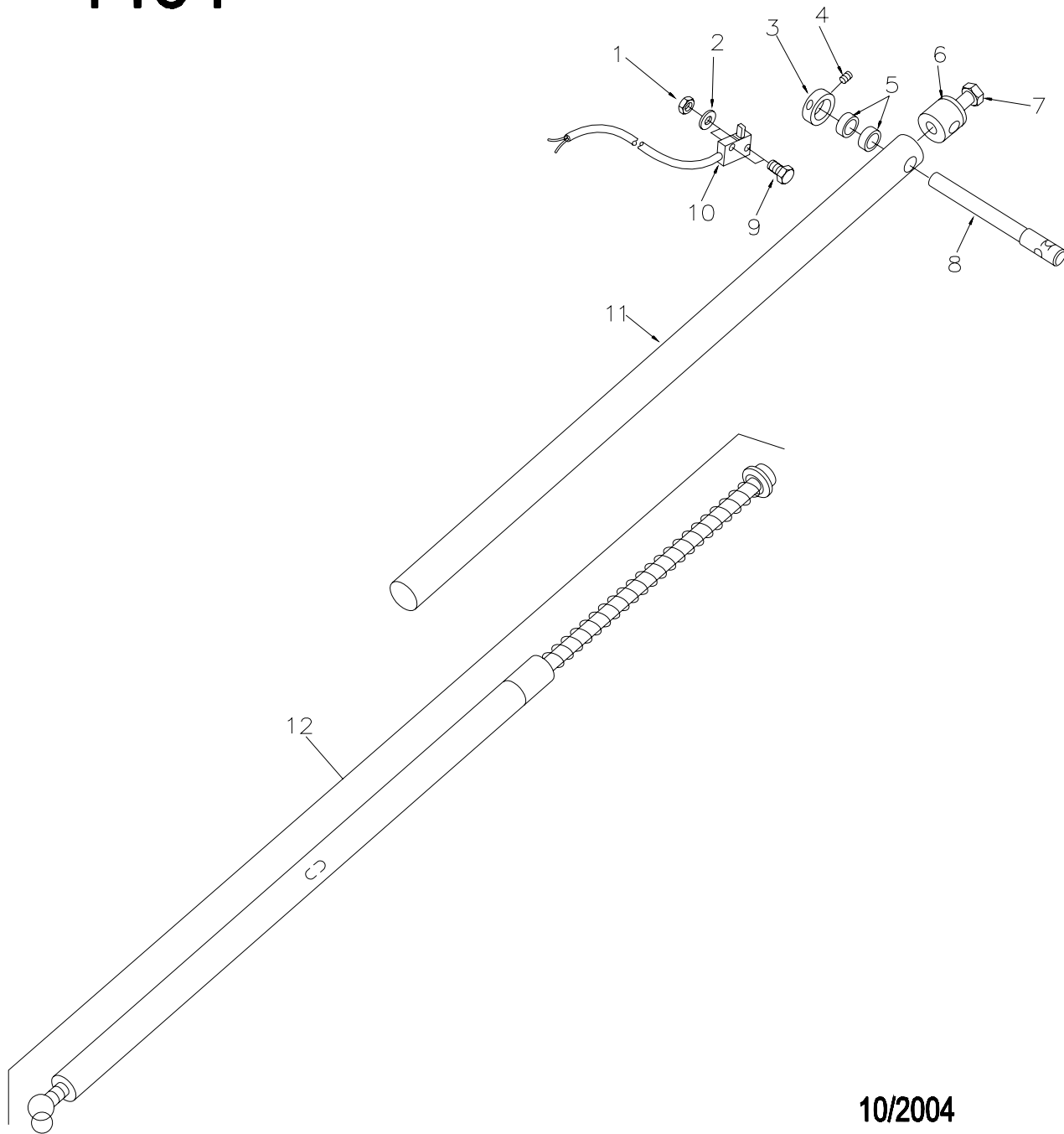
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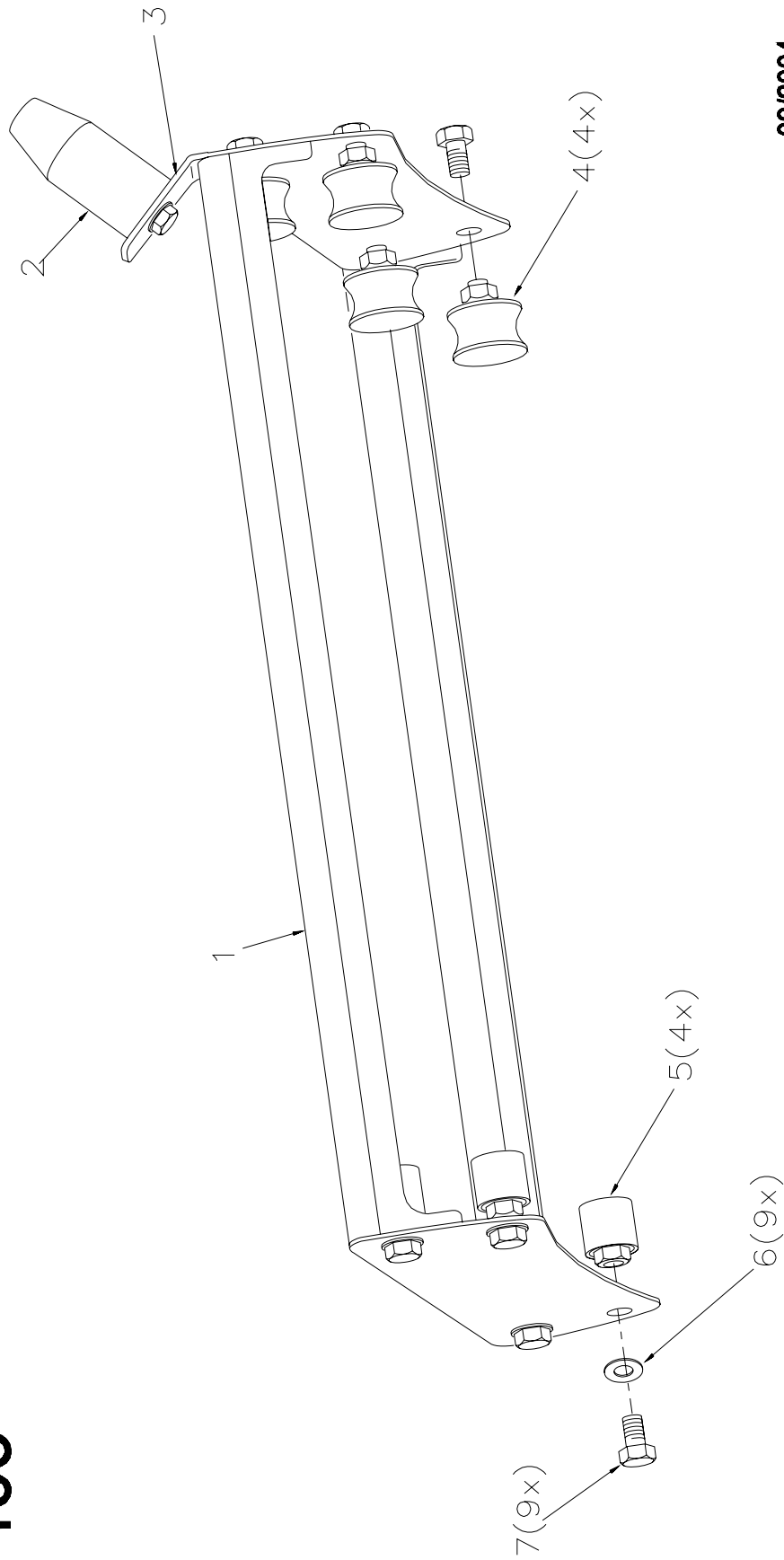


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Wheel guard carrier

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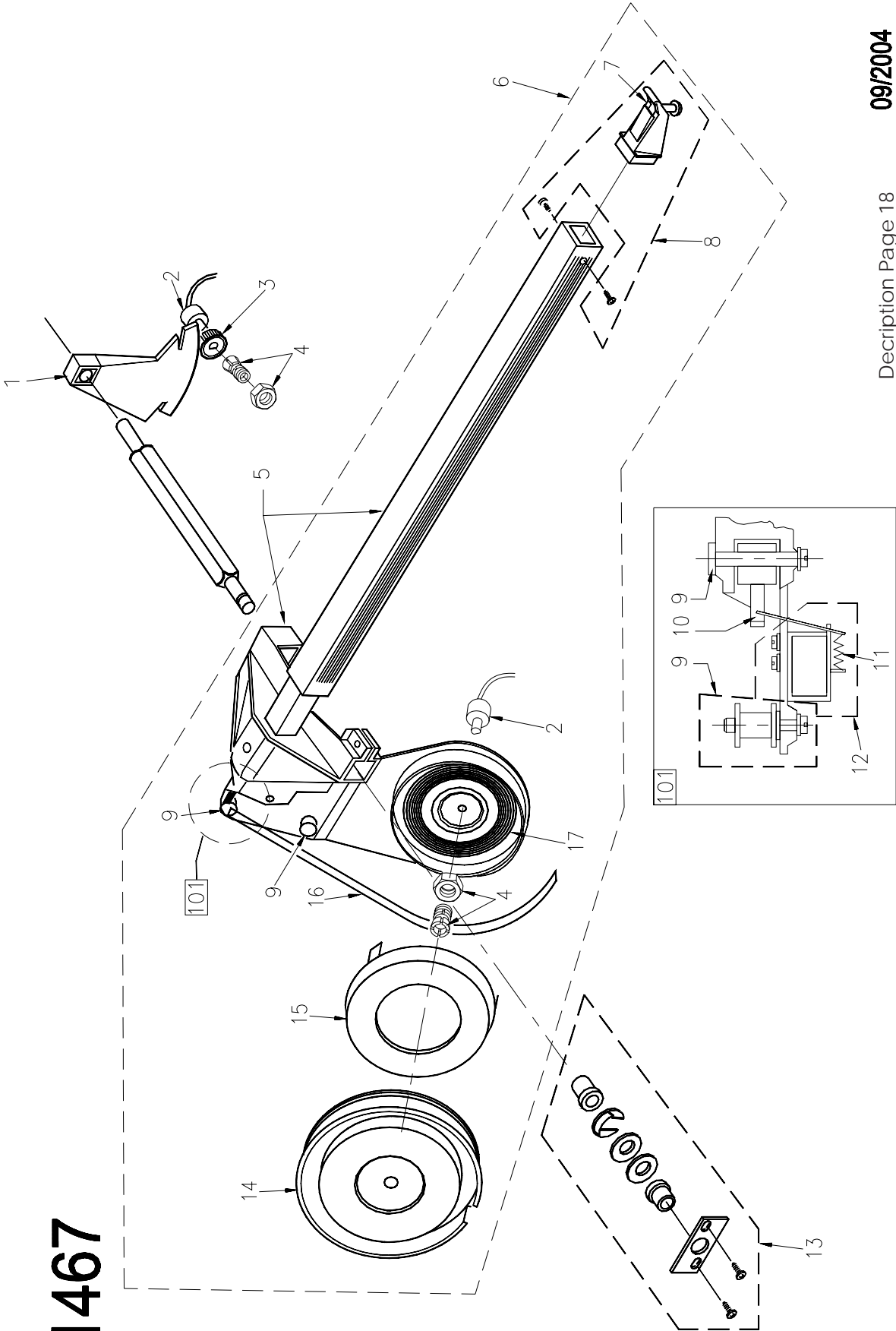


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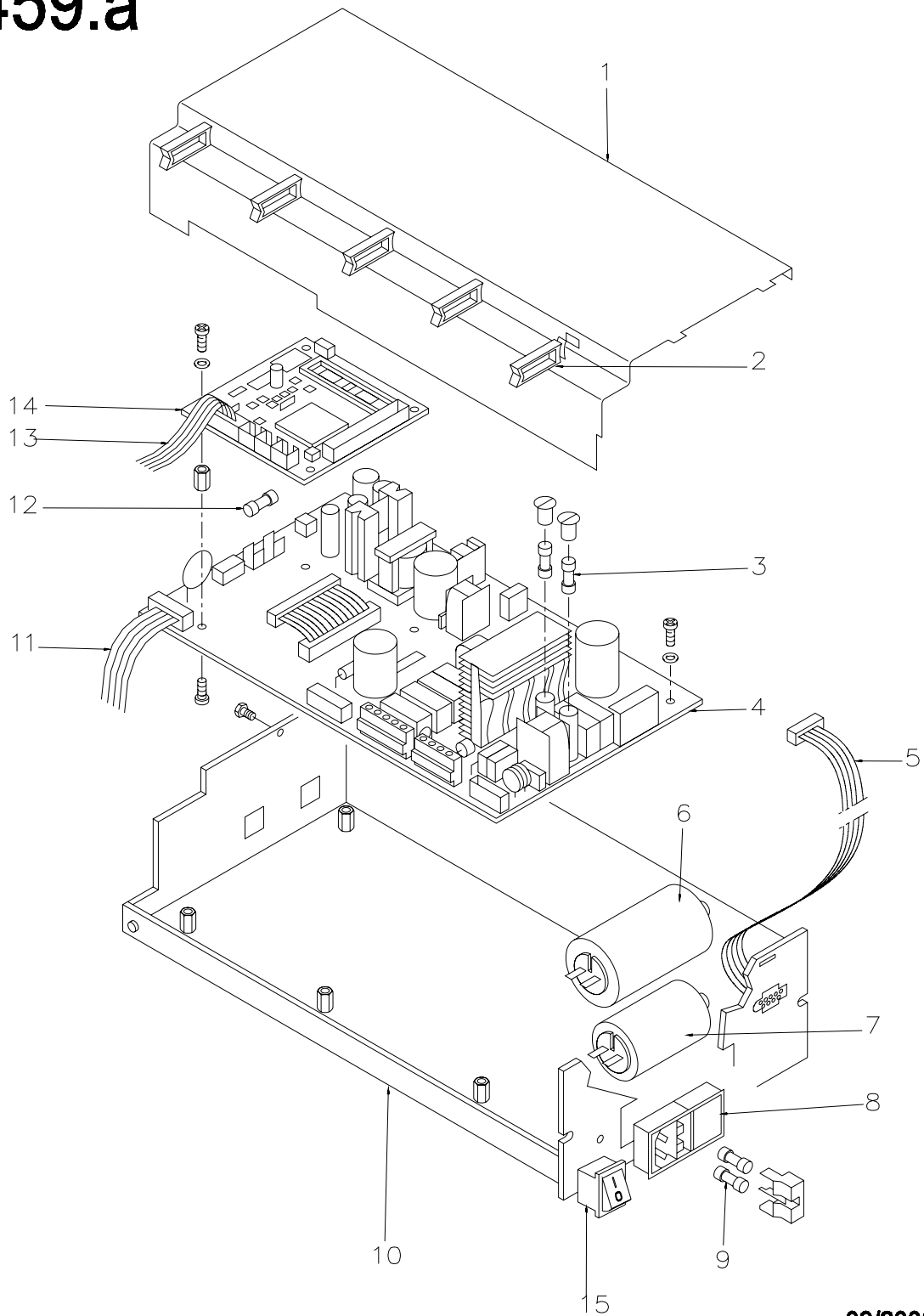
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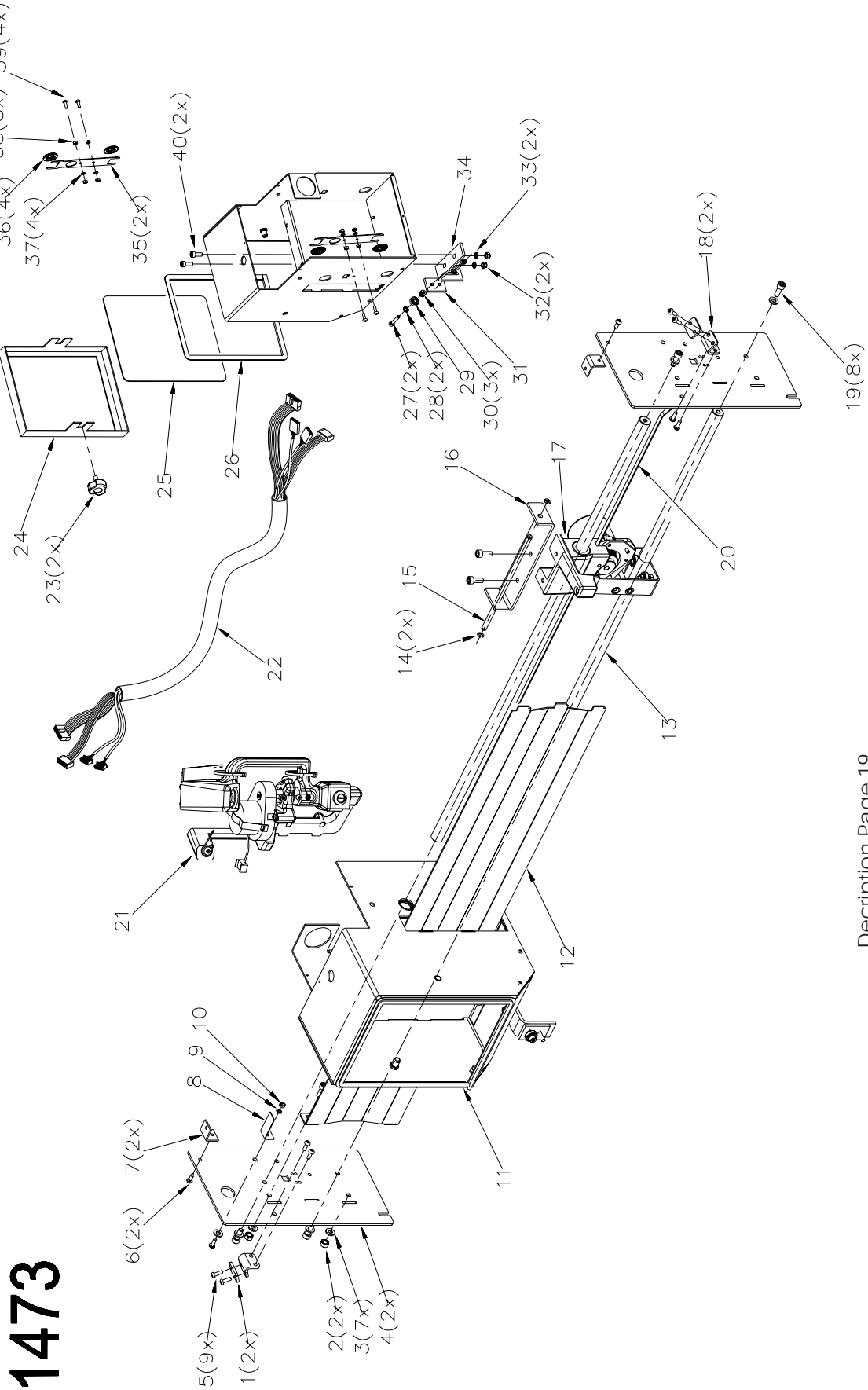


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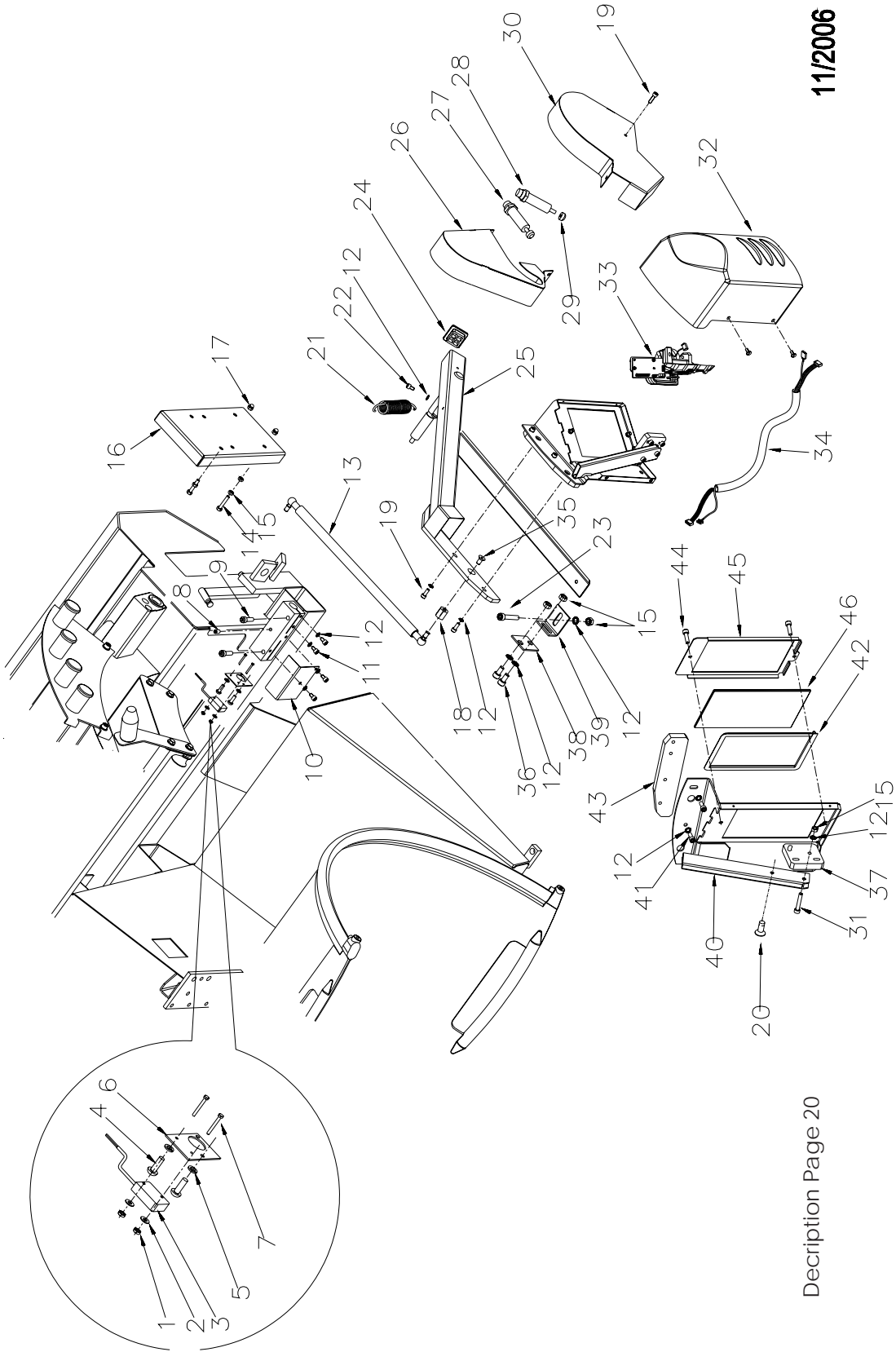


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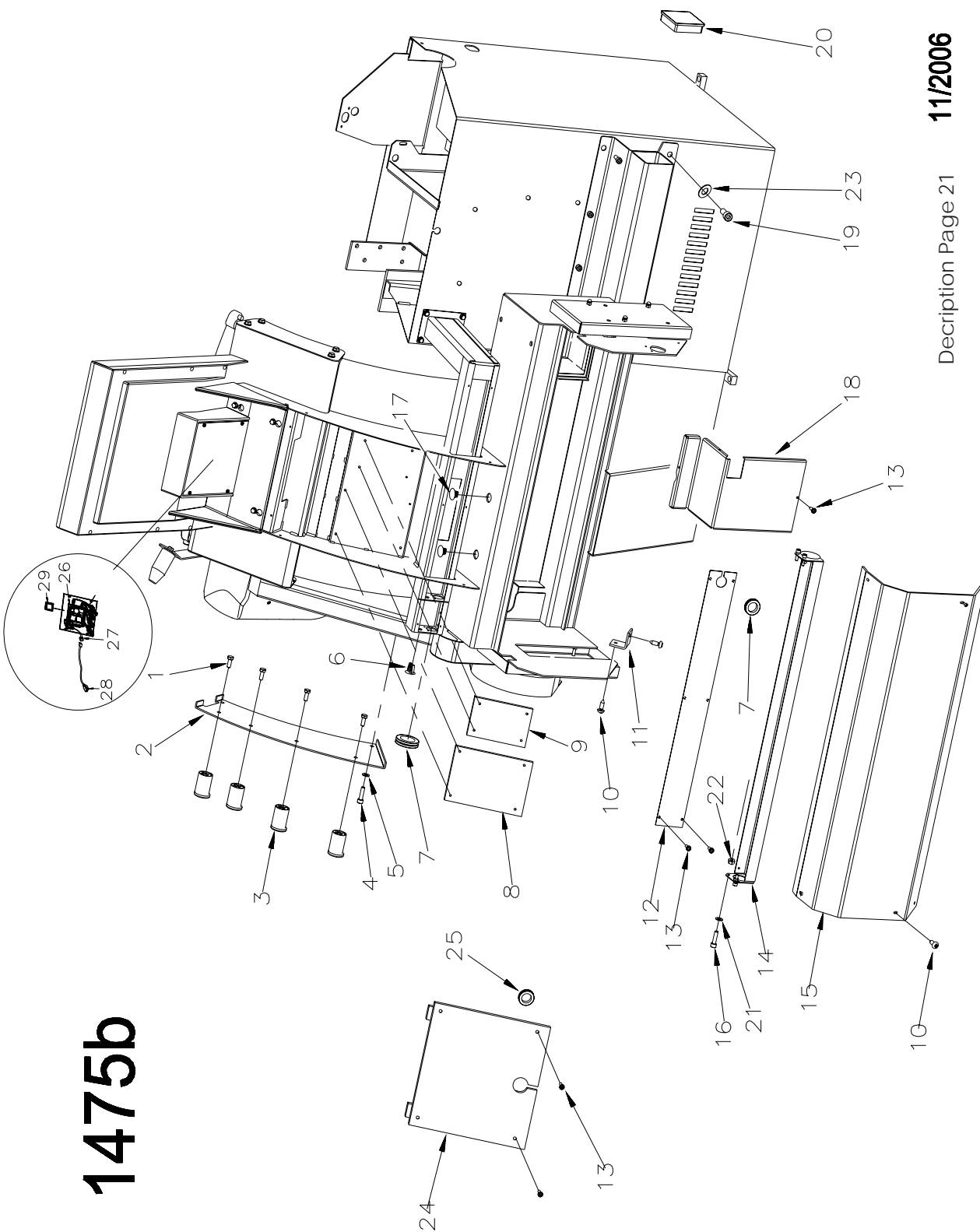
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Fig. 1471: Vibratory system with drive unit

	EAA0344G06A	Vibratory system Optima	
1	1-9641	Washer	A4,3
2	1-13004	Oval head screw	M4 x 6
3	EAP0201D50A	Opto-electronic unit	
4	EAS2025D12A	Clip	
5	EAW0239D00A	Lead with temperature sensor	
6	EAM0005D57A	Bayonet disc	
7	EAM0021D31A	Yoke	
8	EAM0021D32A	Clamp	
9	1-09784A	Inner ring	LR25x30x38.5
10	1-14977A	SW25 Circlip	23.5x1.75x1.2
11	EAM0021D30A	Cylindrical pin	10m6 x 24
12	EAM0021D51A	Compression spring	1.1x7.4x41.5
13	EAA0307G37A	Fastening means of bayonet disc	
14	EAA0328G16A	Fastening means for transducer	
15	1-17709	Hex. socket head cap screw	M8 x 20
16	EAS2025D03A	Spacer for vibratory system	
17	EAA0260D59A	Transducer assembly	
19	1-09684A	Parallel key	A6x6x40
20	EAM0021D17A	Intermediate clip	40 x 9
21	EAA0283D86A	Brake disc repair kit	
22	EAK0257G05A	Spacer plates for brake (set)	
23	EAM0005D64A	Code bar	
24	EAM0021D18A	Drive pulley "p"	
25	1-03063A	Angular contact ball bearing	
26	1-15077A	Circlip	
27	1-48710A	Setscrew	M5 x 8
28	EAM0021D19A	Pressure ring "p"	
29	EAM0005D08A	Motor pulley	
30	1-28410	Setscrew	M6 x 8
31	EAA0266D31A	Motor	WS 120W
32	EAM0005D44A	Spacer for motor	
33	1-05747A	Tooth washer	J4
34	EAP0201D20A	Encoder board assembly	
35	1-13004	Oval head screw	M4 x 6
36	EAA0307G36A	Replacement kit "p" – die-cast nut	
37	1-11541	Washer	B6.4
38	1-30701	Hexagon bolt	M6 x 12

Fig. 1470: Power clamping device - Page 3

1	EAA0283D46A	Basic body of adaptor	
2	8-03850A	Wrench (width across flats 13 mm)	
3	1-46601A	Screw	M8 x 25
4	1-18241A	Washer	55x68x0.5
5	EAC0058D14A	Spring centring ring	
6	1-07768A	Compression spring	
7	EAS2025D14A	Spring casing	
8	1-13077	Circlip	
9	EAC0058D69A	Protective sleeve	
10	EAM0005D54A	Clamping sleeve	
11	EAC0058D08A	Pressure ring	
12	EAC0058D07A	Clamping head	
13	EAC0058D15A	Protective ring	
14	EAM0005D25A	Cone 96 – 116 mm	
15	EAM0005D24A	Cone 74 – 99 mm	
16	EAM0005D23A	Cone 42 – 77 mm	
17	EAC0058D68A	Spacer ring	

Fig. 1561: Pedal assembly

	EAA0332G26A	Brake pedal assy	
1	EAM0051G96A	Bushing cent. spring br. pedal	
2	EAM0048G78A	Spring, pedal switch	
3	2-07661A	Microswitch	
4	EAM0046G39A	Pedal pin	
5	EAM0046G40A	Threaded block	
6	EAS2090G15A	Brake pedal support	
7	EAS2089G80A	Welded pedal	
8	1-1048	Washer external shakeproof	D. 2mm
9	1-9341	Washer	A 2.2-A2J-DIN 125A
10	1-18477A	Retaining ring	10x1.2mmA2R DIN6799
11	1-9804	Screw, phillips head	M2x12
12	1-25241A	Shim ring	D12.2x18x0.3mm DIN988

Fig. 1466: Cabinet and weight box

1	8-01250A	Wrench	SW 14
2	EAM0005D40A	Calibration weight	
3	1-22623A	Screw	3.9 x 13
4	EAS2058D06A	Angular support	
5	EAA0283D51A	Mirror with adhesive strip	
6	EAA0266D25A	Transformer with lead	
7	2-06730A	Reflector with integrated halogen lamp	
8	1-22723A	Self-tapping screw	2.9 x 9.5
9	EAS2025D18A	Lamp holder	
10	EAC0058D65A	Protective screen	
11	1-31406A	Screw	M6 x 10
12	EAC0058D55A	Cover of vibratory system	
13	1-16409	Screw	M6 x 20
14		Pedal assembly	
15	EAL0345D58A	Decal geodyna	
16	1-06476A	Cap	
17	EAL0345D49A	Decal VPM-Technology	
18	1-19923	Screw	6.3 x 19
19	EAC0058D41A	Weight box, blue	
	EAC0058D86A	Weight box, black	
20	1-22623A	Self tapping screw	3,9 x 13
21	EAW0240G27A	CCD Inner Camera Cable	
22	EAW0240G30A	Motor Cable for Inner Scanner	
23	EAA0307G13A	Inside Scanner Assembled Unit	
24	1-49810A	Screw	M6 x 25
25	1-1548	Washer-Lock	D.6
26	1-16309	Screw	M6 x 16
27	EAA0307G65A	Inside Scanner Housing Complete	
28	EAM0006G67A	Glass	
29	EAS2086G63A	Bottom Glass Bracket	
30	1-22623A	Self tapping screw	3,9 x 13

Fig. 1465: Display wheel guard - Page 5

1	EAW0239D16A	Connecting lead keyboard unit	
2	EAA0307G67A	Keyboard unit	
3	1-09484A	Adhesive closure (male)	
	1-09384A	Adhesive closure (female)	
4	EAC0058D48A	Display casing, blue, geodyna	
	EAC0058D88A	Display casing, black, geodyna	
5	Wheel guard carrier assembly (see Fig. 9)		
6	Wheel guard switch assembly (see Fig. 8)		
7	1-46401A	Screw	M5 x 16
8	1-11441	Washer	5.3
9	1-18233A	Nut	M5
10	EAA0277D35A	Support of display unit	
11	1-15633A	Nut	M8
12	1-11741	Washer	8.4
13	EAA0277D86A	Wheel guard assembly	
14	8-09218A	End buffer	
15	EAC0058D26A	Wheel guard handle	
16	1-22723A	Self-tapping screw	2.9 x 9.5

Fig. 1464: Wheel guard damper

EAA0283D21A Wheel guard switch assembly

1	1-11233	Nut M3	
2	1-9541	Washer 3.2	
3	EAM0021D12A	Switch ring	
4	1-38910	Setscrew M4 x 8	
5	1-06065A	Bushing	
6	EAM0021D08A	Clamping sleeve	
7	1-16209	Screw M6 x 12	
8	EAM0021D11A	Arbor	
9	1-26901	Screw M3 x 20	
10	2-7261	Switch	
11	EAM0021D10A	Telescope pipe	
12	EAA0283D52A	Wheel guard damper	

Fig. 1463: Wheel guard carrier

	EAA0307G75A	Wheel guard carrier assembly (before 11/04 was:EAA0277D80A)	
1	EAA0313D99A	Wheel Guard Support	
2	EAM0005D69A	Cone	
3	EAS2025D40A	Angular support	
4	EAA0307G76A	Complete flat roller	
5	EAA0307G77A	Complete "U" roller	
6	1-10041	Washer 8.4	
7	1-32401	Screw M8 x 12	

Fig. 1467: Geodata gauge for distance and rim diameter

1	EAC0058D56A	Tooth segment	
2	EAA0266D20A	Potentiometer assembly with nut	
3	EAC0058D13A	Gear wheel	
4	2-07657A	Collet with nut	
5	EAA0328G18A	Gauge arm assembly	
6	EAA0277D85A	Gauge assembly with gauge head	
7	EAS2058D04A	Clip	
8	EAA0277D87A	Gauge head assembly	
9	EAA0307G34A	Arbor assembly	
10	EAC0058D29A	Clamping piece	
11	1-05467A	Tension spring for solenoid	
12	EAA0307G33A	Solenoid with fastening means	
13	EAA0328G23A	Fastening means with bushings	
17	1-03967A	Helical spring	
14	EAC0058D06A	Belt pulley	
15	EAC0058D58A	Cover	
16	EAA0277D96A	Toothed belt	960 mm
17	1-03967A	Helical spring	

Fig.1459: Electronic unit

EAA0266D11A Electronic unit assembly

1	EAS2025D02A	Cover of digital box	
2	2-08557A	Lead holder	
3	2-21151A	Fine-wire fuse, slow blow	3.5 A
4	EAP0201D10A	Power interface board	
5	EAW0239D13A	Ribbon cable controller board	
6	2-01529A	Capacitor	
7	2-01429A	Capacitor	
8	2-40348A	Power entry module	
9	2-21251A	Fine-wire fuse, slow blow	6.3 A
10	EAA0260D68A	Bottom of digital box	
11	EAW0239D03A	Connecting lead display and keyboard unit	
12	2-16951A	Fine-wire fuse, medium slow blow	1.25 A
13	EAW0239D00A	Connecting lead vibratory system	
14	EAP0201D00C	Controller board	

Fig. 1473: Rear scan unit – optima

	EAA0255J52A	Rear liner drive assembly	
1	EAM0003J52A	Stop belt	
2	1-11633A	Nut	M6
3	1-9841	Washer	6,4
4	EAS2081J16A	Support rod	
5	1-13304A	Screw	M4x12
6	1-20423	Self tapping screw	4,2x13
7	EAS208J11A	Rear cover support	
8	EAS2081J10A	Home position end stroke	
9	1-2546A	Washer spring single coil D.4	4.3
10	1-11433A	Nut	M4
11	EAA0255J53A	Linear drive box assembly with wipers	
12	EAS2081J14A	Cover	
13	EAM0003J41A	Rod	16mm
14	1-16977A	Retaining ring	D.5x0,7
15	EAM0003J55A	Support rod	
16	EAS2021J85A	Bracket	
17	EAA0307G40A	Drive assembly linear	
18	EAM0003J51A	Belt support	
19	1-16309	Screw	M6x16
20	8-04331A	Belt	
21	EAA0332G74A	External Scanner Assembly	
22	EAW0240G39A	Wiring harness rear scanner	
23	8-11330A	Knob	M6
24	EAS2021J84A	Rear scanner cover-glass	
25	1-11784A	Glass	
26	5-03241A	Adhesive seal	
27	1-15209	Screw	M5x25
28	1-1448	Tooth washer	D.5 E
29	1-03963A	Bearing	5x16x5
30	1-9741	Washer	5,3
31	EAS2021J92A	Ball bearing block adjuster	
32	1-9933	Nut	M6
33	1-1548	Tooth washer	D.6 E
34	EAS2021J91A	Support box guide	
35	EAS2081J20A	Wipers holder	
36	8-08914A	Wipers rod	16mm
37	1-2546A	Washer spring single coil D.4	4.3
38	1-11433A	Nut	M4
39	1-13304A	Screw	
40	1-16309	Screw	M6x16

Fig. 1474: External scan unit – optima

1	1-19233A	Self locking nut
2	1-9541	Washer
3	2-7261	Micro switch
4	1-13304A	Screw
5	1-9541	Washer
6	EAS2086G48A	Micro switch support
7	1-26901	Screw
8	1-22210A	Screw
9	1-17909	Screw
10	EAS2076G45A	Microswitch cover
11	1-47909A	Screw
12	1-1548	Tooth washer
13	EAA0307G61A	Articulated joint tube
14	1-16809A1	Screw
15	1-11633A	Nut
16	EAS2086G47A	Cover
17	1-3035	Nut
18	EAM0042G06A	Tube Spacer
19	1-16409	Screw
20	1-16609A	Screw
21	EAM0006G06A	Spring
22	1-47909A	Screw
23	1-16509A1	Screw
24	1-08876A	Cap
25	EAS2086G03A	Scanner support
26	EAS2086G35A	Inner cover
27	1-04969A	Shock absorber with nut
28	1-04869A	Shock absorber with Nut
29	1-05069A	Cap for shock absorber
30	EAS2086G39A	External cover
31	1-16709	Screw
32	EAC0060G50A	Cover for external laser
33	EAA0332G74A	External Scanner Assembly
34	EAW0240G38A	Wiring harness outer scanner
35	1-23403A	Screw
36	1-16209A1	Screw
37	EAM0003J40A	Lower block for scanner
38	EAS2086G53A	Inf. support scanner
39	EAS2086G51A	Inf. support tube
40	EAS2021J75A	Support wldmt external scanner
41	1-16309	Screw
42	5-03241A	Adhesive seal
43	EAM0003J56A	Upper block for scanner
44	1-13709	Screw
45	EAS2021J79A	Glass support
46	1-11784A	Glass

Fig. 1475: Rear covers and Electronic boards – Page 13

1	1-32601	Screw	M8x20
2	EAS2086G54A	Cone support	
3	EAC0058D54A	Conical bolt	
4	1-17909	Screw	M8x30
5	1-17741	Washer	8,4
6	8-08176A	Cap	9,5>13,5
7	8-08716A	Grommet	32mm
8	EAP0204G50B	Camera Processor Board	
9	2-37666A	10V Power Supply	
10	1-20423	Self tapping screw	4,2x13
11	EAS2081J11A	Rear Cover Support	
12	EAA0313D24A	Channel cover	
13	1-22623A	Self tapping screw	3,9x13
14	EAS2021J86A	Cable Support	
15	EAC0060G51A	Rear device Cover	
16	1-16409	Screw	M6x20
17	1-09076A	Cap	14>21
18	EAS2086G32A	Cover for rear scanner	
19	1-17709	Screw	M8x20
20	1-08976A	Cap	80x80
21	1-1548	Washer-Lock	6
22	1-11633A	Nut	M6
23	1-17841	Washer	8x24
24	EAA0313D23A	Back side cover	
25	8-08916A	Snap Bushing	25.5 mm
26	EAA0307G58A	Embedded PC without flash	
27	EAW0239D24A	Power cord	
28	EAW0239D25A	Extension power cord	
29		Flash board with data (Call for current Part Number)	

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