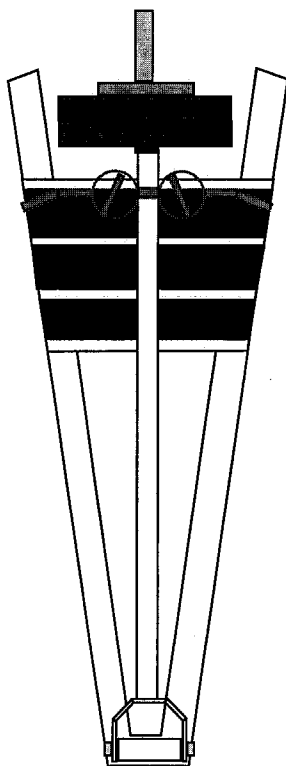


SPARE PART MANUAL



12 / 2003

DAVID
BASIC LINE

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INFORMATION

This spare part manual contains detailed information of all parts needed or available with a corresponding reference code.

In case spare parts are needed, make a photocopy of the attached spare part order form, provide all information requested and fax the order form according to the following instructions.

In Scandinavia: David Industries Ltd
Tutkijankatu 2
83500 Outokumpu
Finland

Phone: +358-13-555060
Fax: +358-13-564735
E-Mail: info@davidind.fi

Other countries: David International Ltd
Nelsonallee 24
89231 Neu-Ulm
Germany

Phone: +49-731-978660
Fax: +49-731-78917
E-Mail: info@david.de

Read carefully the information regarding maintenance and general inspection of the equipment.

DAVID

Varaosatilaus / Spare part order

Tilausnumero Customer order number	Viitteenne Reference	Sisäinen viitteemme Processing number

[illegible]

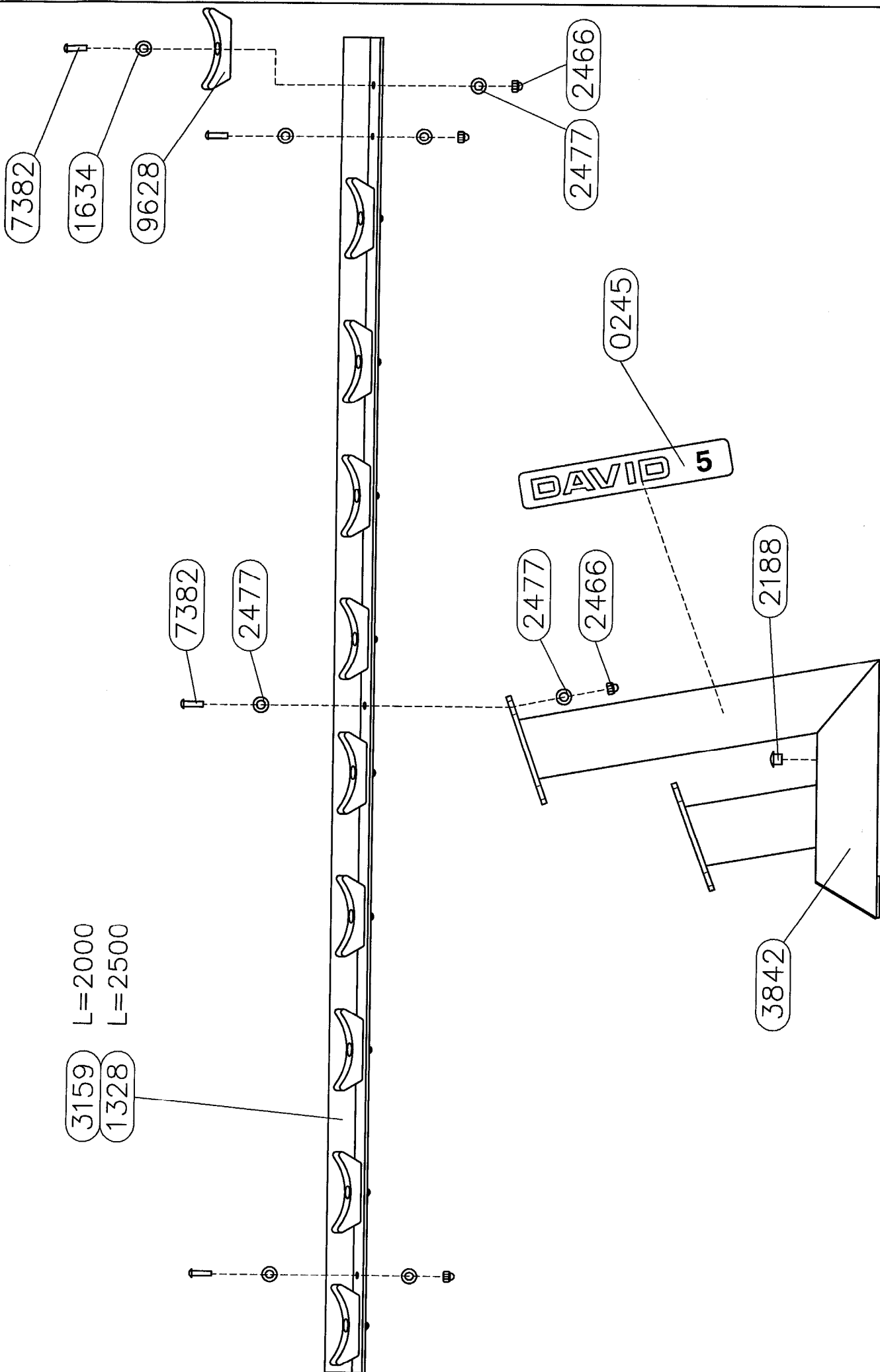
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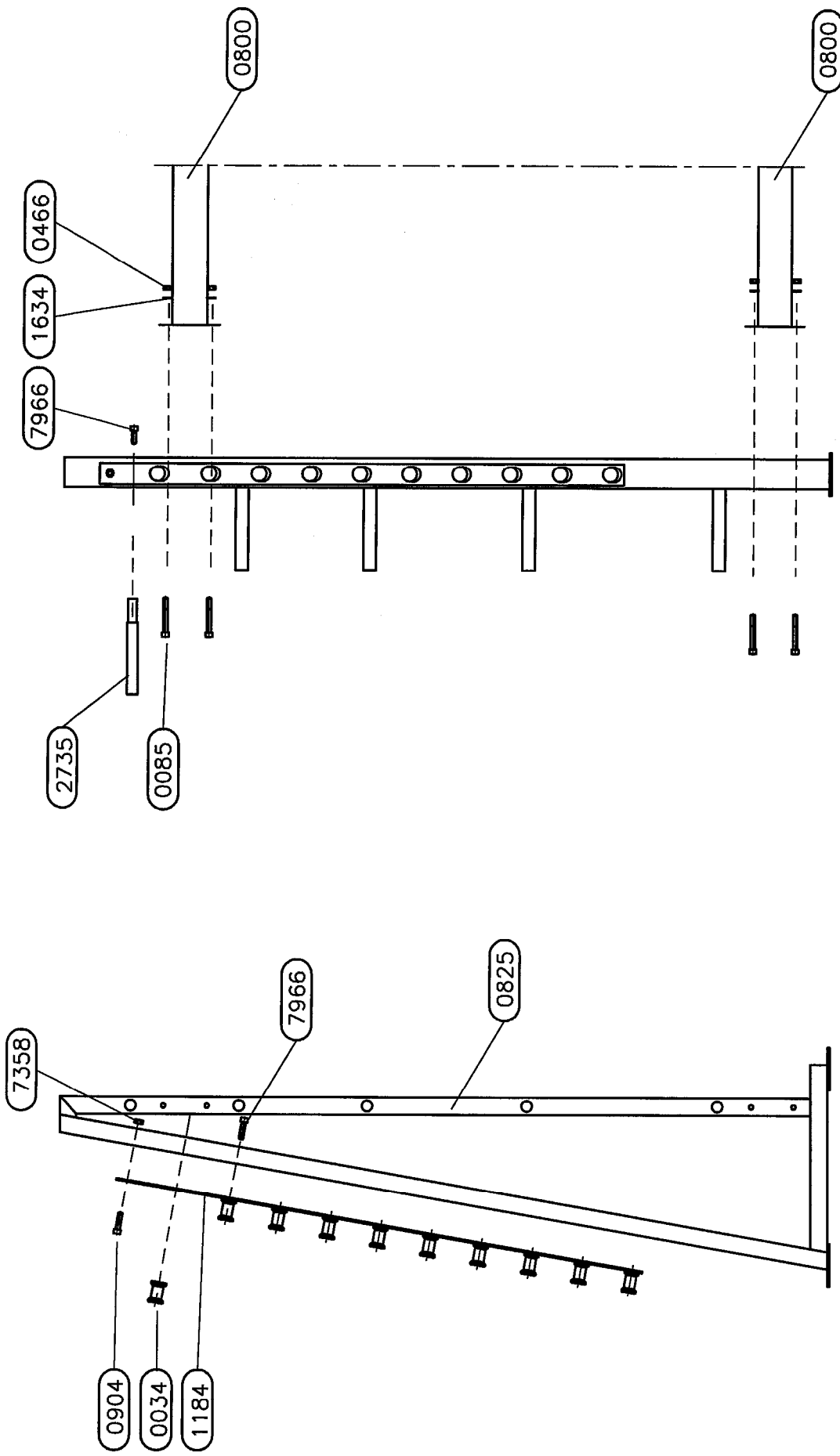
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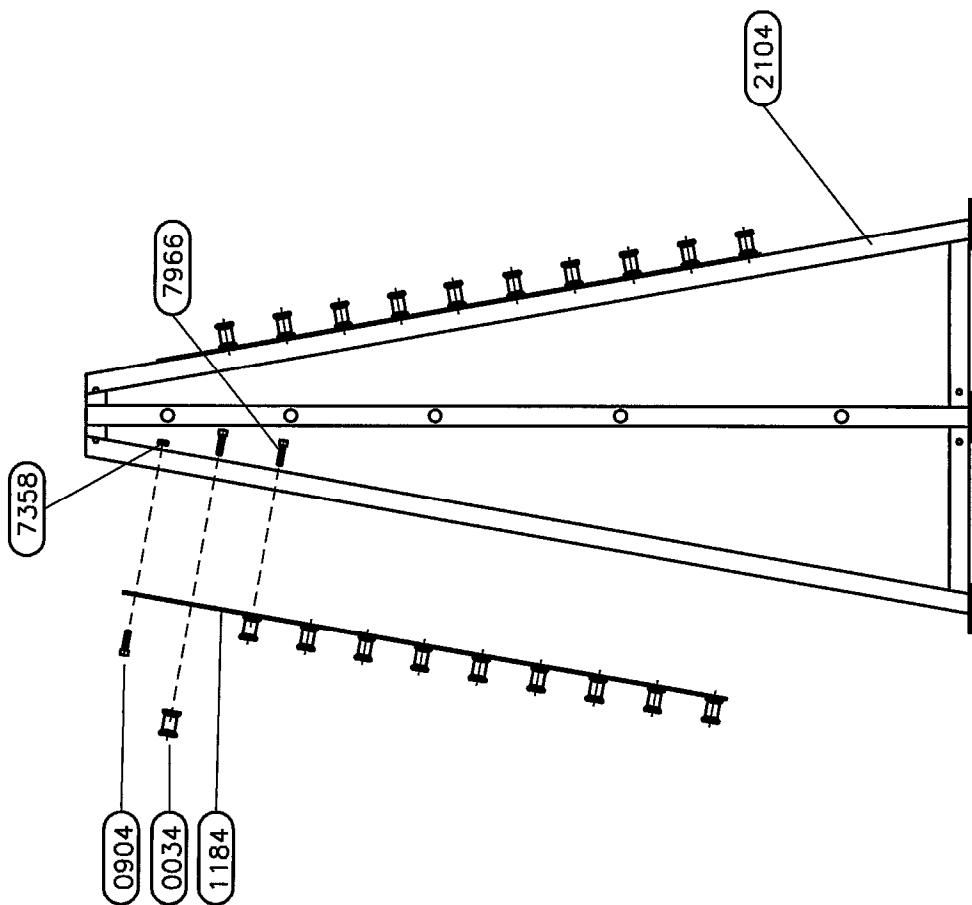
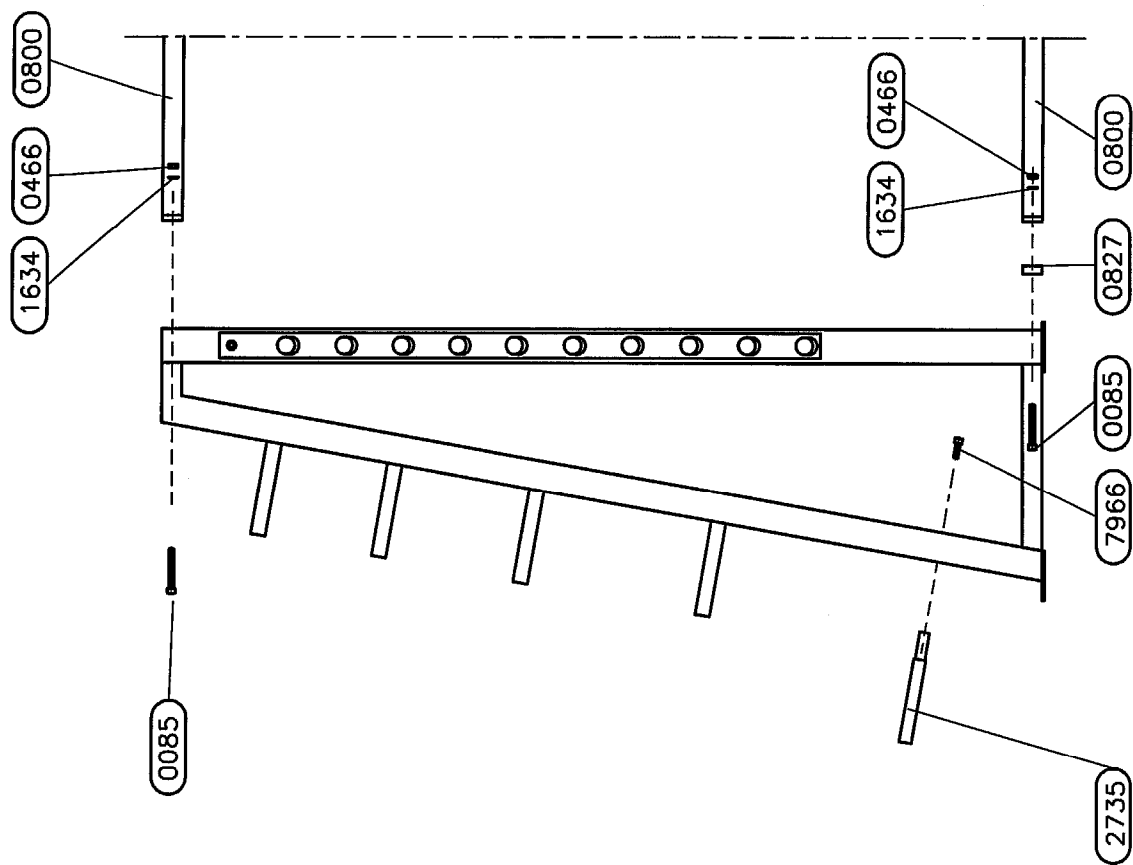
B 12	2/2001 =>	New improved construction
B 14	5/95 => 6/98 =>	Adjustable foot plate Adjustable back support Contoured pads RML
B 15	6/98=>	Adjustable foot plate RML
B 17	5/95 6/98	Improved movement arm lever with easy entry Improved foot plates Contoured pads
B 18	6/98 10/98	Movement arm attachment with ball bearings Improved foot plates Contoured pads PU-drive belt with convex pulleys
B 20	6/98 =>	Safety handles
B 21	10/98 => 6/99 =>	PU-drive belt with convex pulleys Swivel snap-hook attachment for handles Stainless steel weight stack guide rods
B 22	10/98 => 6/99 =>	PU-drive belt with convex pulleys Larger seat pad Stainless steel weight stack guide rods
B 23	10/98 => 6/99 => 4/2001 =>	PU-drive belt with convex pulleys Swivel snap-hook attachment for handles Larger seat pad Stainless steel weight stack guide rods Increased range of movement
B 25	3/98	Pivoting, multi-grip handle Movement arm attachment with ball bearings

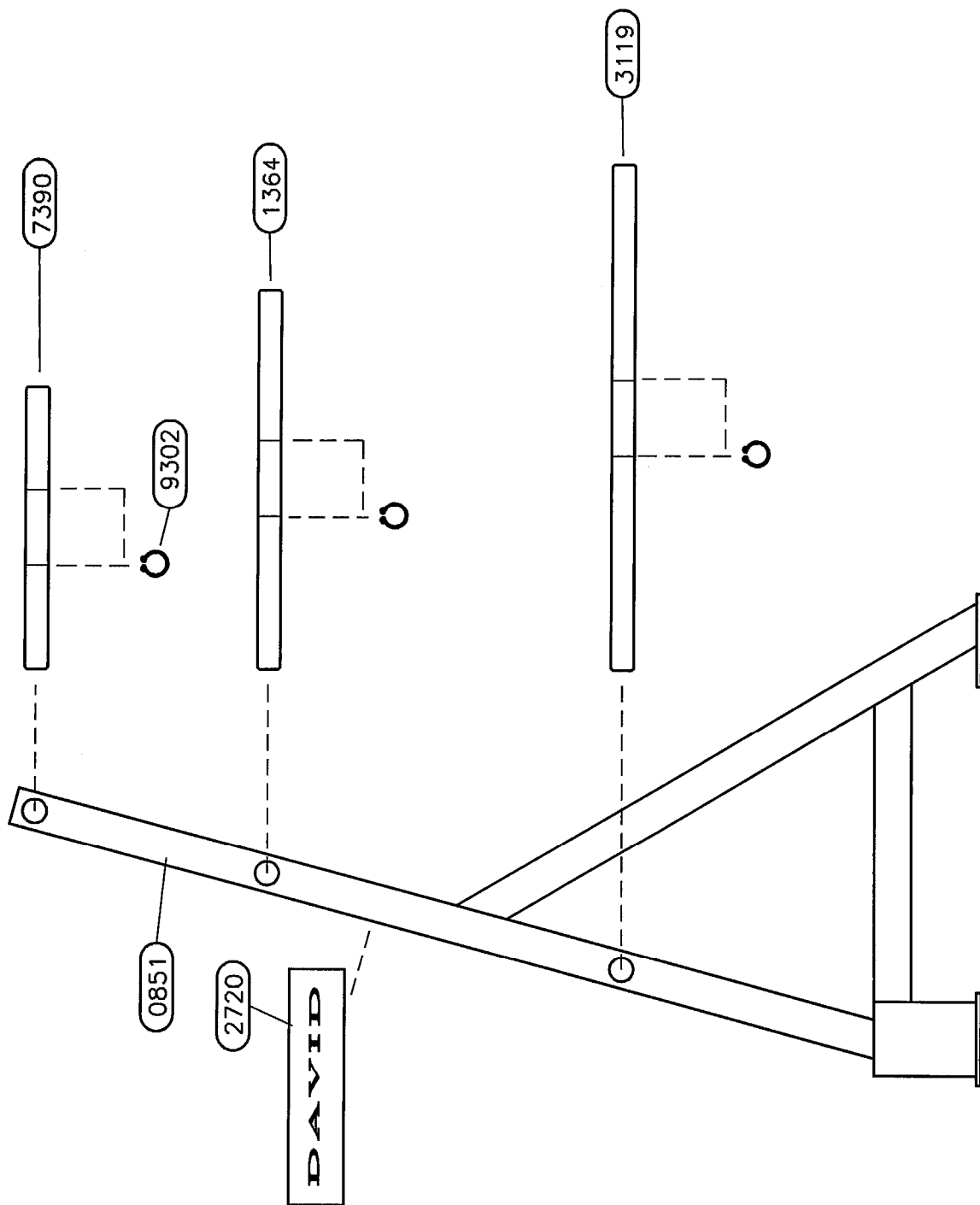
B 26	6/98	Pelvic support attachment modified Increased range of adjustment Tilt mechanism with ball bearings
B 30	6/98 =>	Adjustable bar holders Modified back support pad
B 31	6/98 =>	Adjustable bar holders Modified back support pad Improved seat adjustment with contoured pad
B 32	9/2000 =>	Adjustable bar holders Modified back support pad
B 33	=> 5/98	Replaced by B 30
B 34	=> 5/98	Replaced by B 31
B 40	=> 12/92	Discontinued
B 50	6/98	Improved frame and support pad
B 53	6/98	Adjustable seat Contoured seat and back support pad
B 60	10/98 => 6/99 =>	PU-drive belt with convex pulleys Swivel snap-hook attachment for handles Stainless steel weight stack guide rods
B 61	10/98 => 6/99 =>	Re-designed frame construction Weight stack pulley added PU-drive belt with convex pulleys Swivel snap-hook attachment for handles Stainless steel weight stack guide rods
B 65	5/95 9/2002	Improved sliders New improved construction

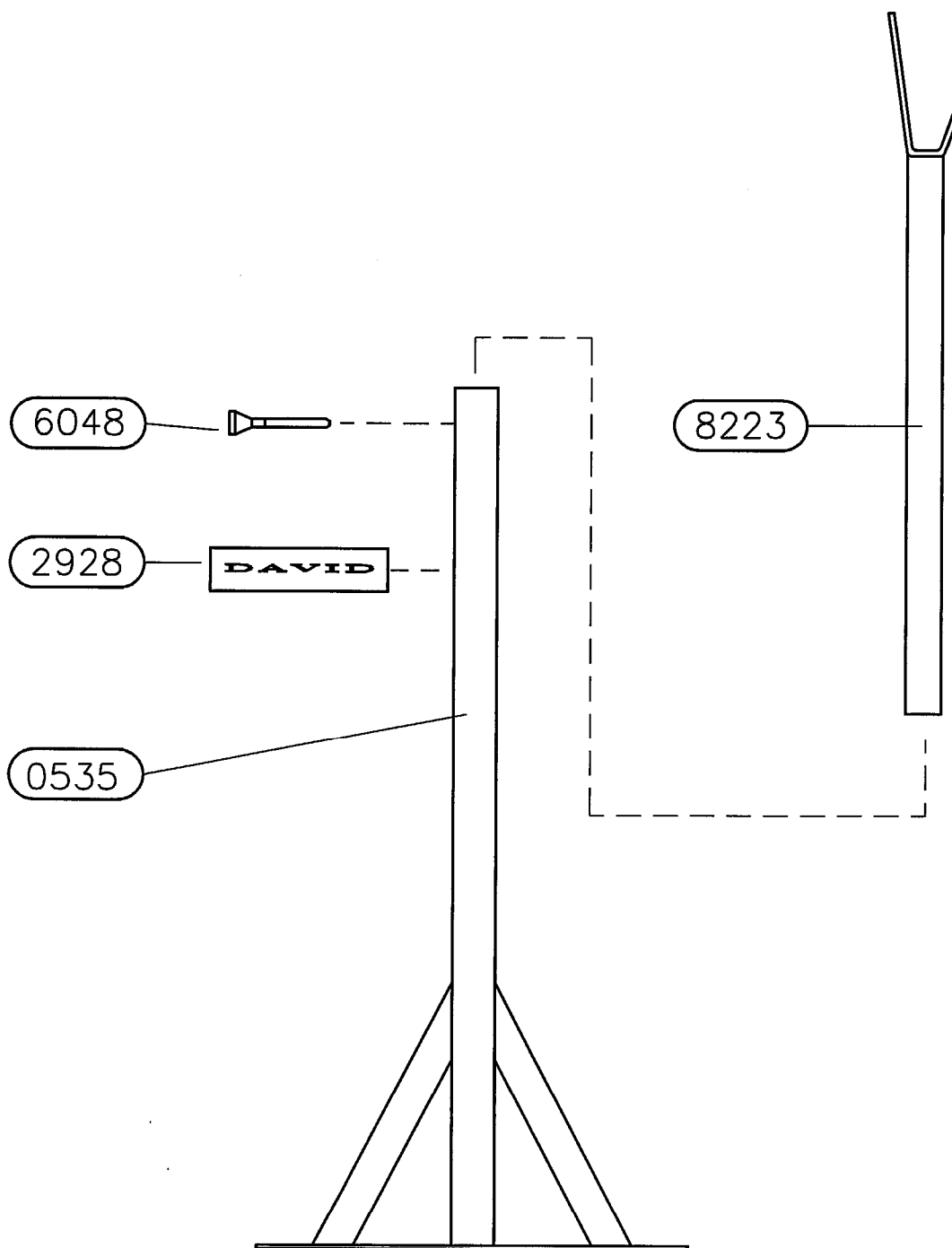
B 90	5/90	Improved frame construction
		Curved back support pad
		Improved leg support
	5/95 =>	Contoured pads
		Adjustable ankle rolls
		Entry handle
	4/98 =>	Ankle roll adjustment with indexing plunger
B 93	4/98	More adjustment positions
		Contoured seat pad
B 95	6/98	Contoured back support pad

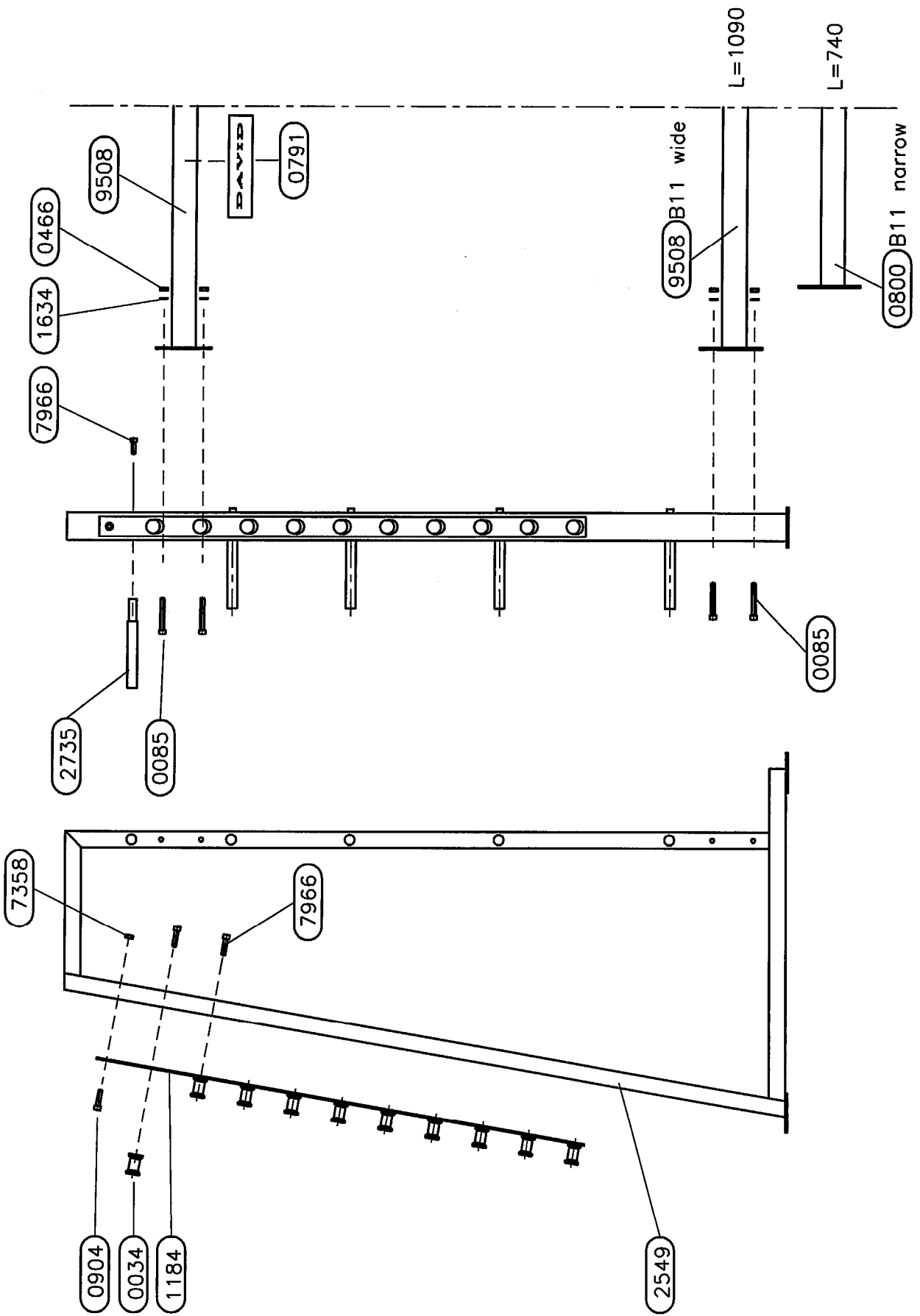




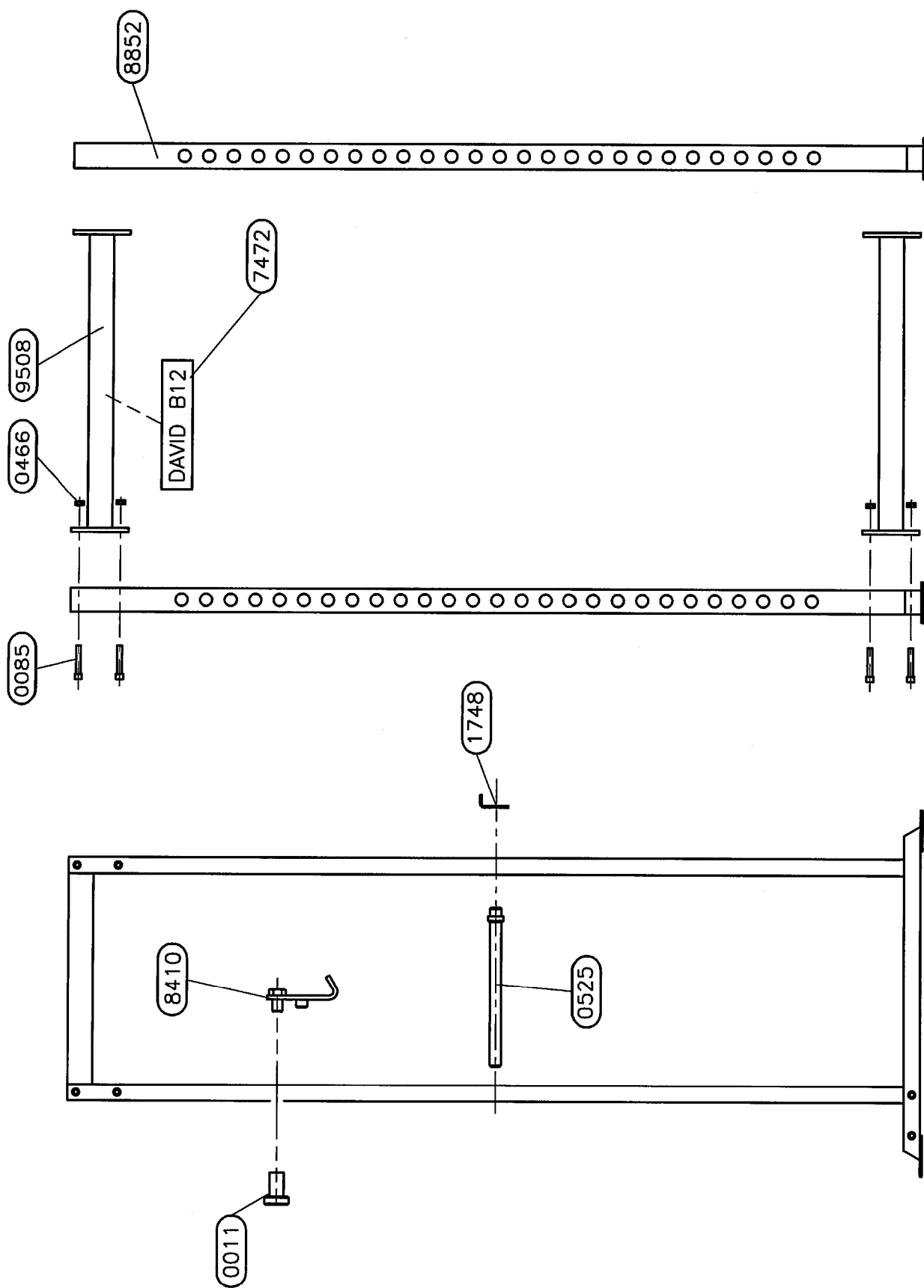


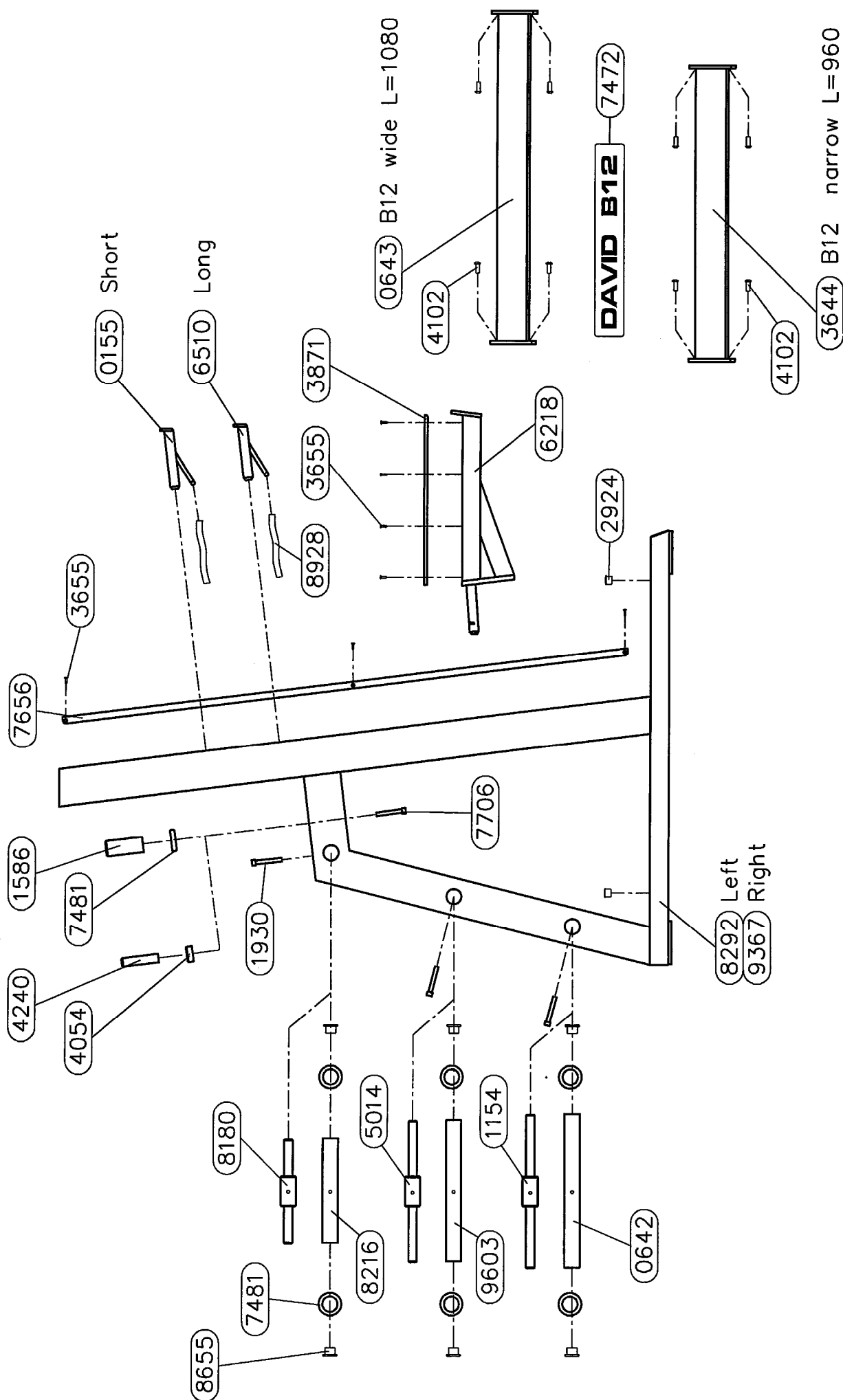


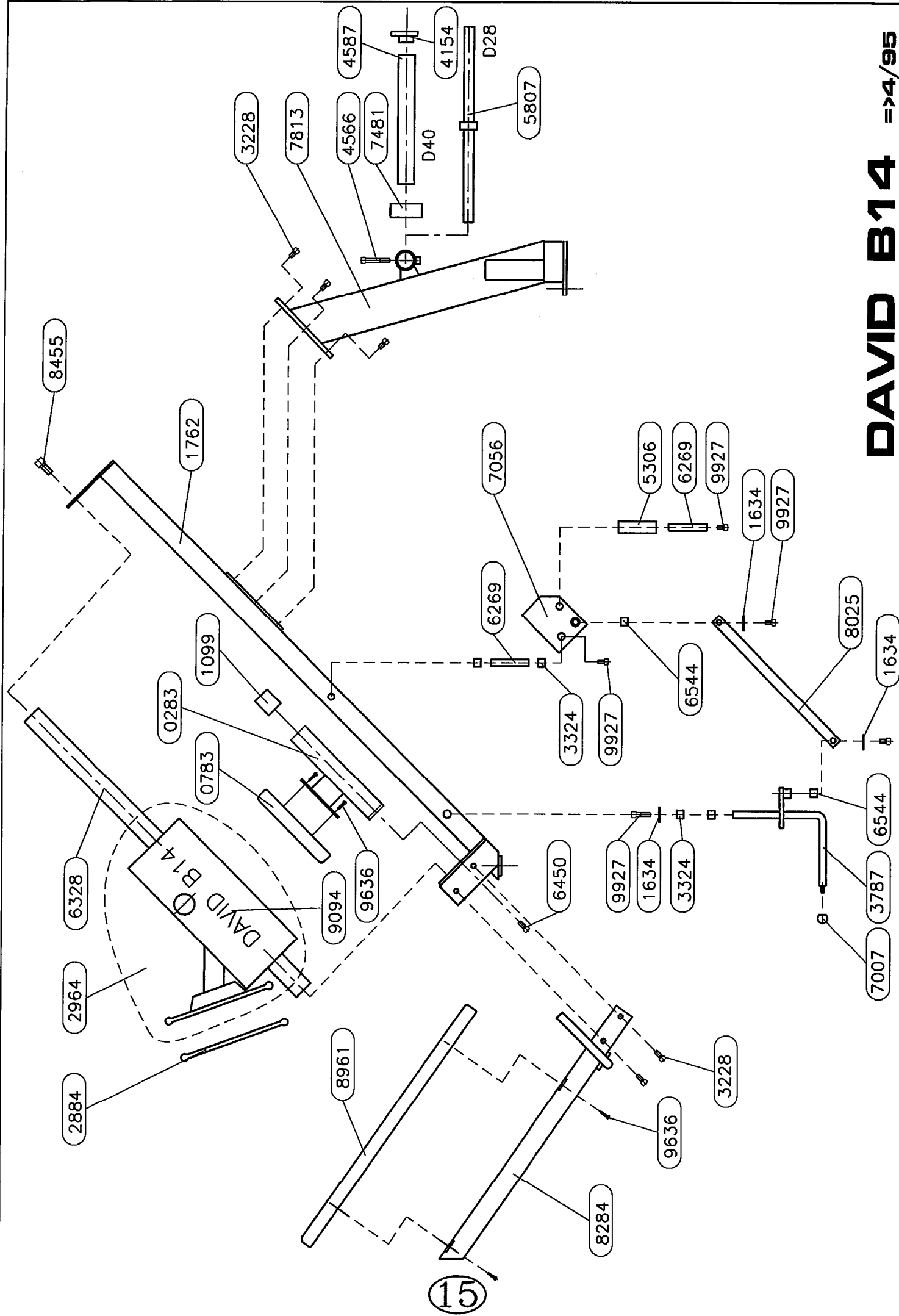


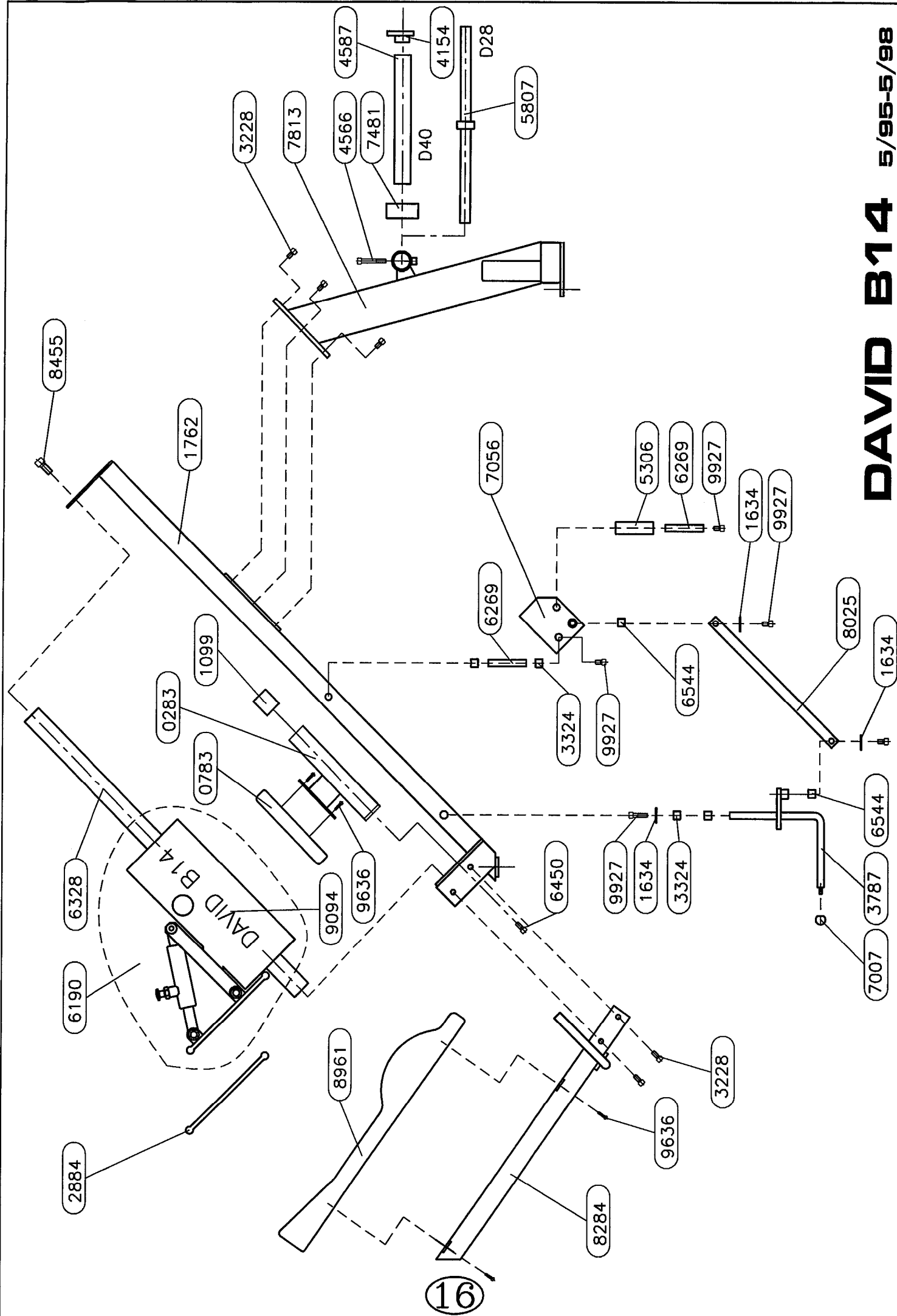


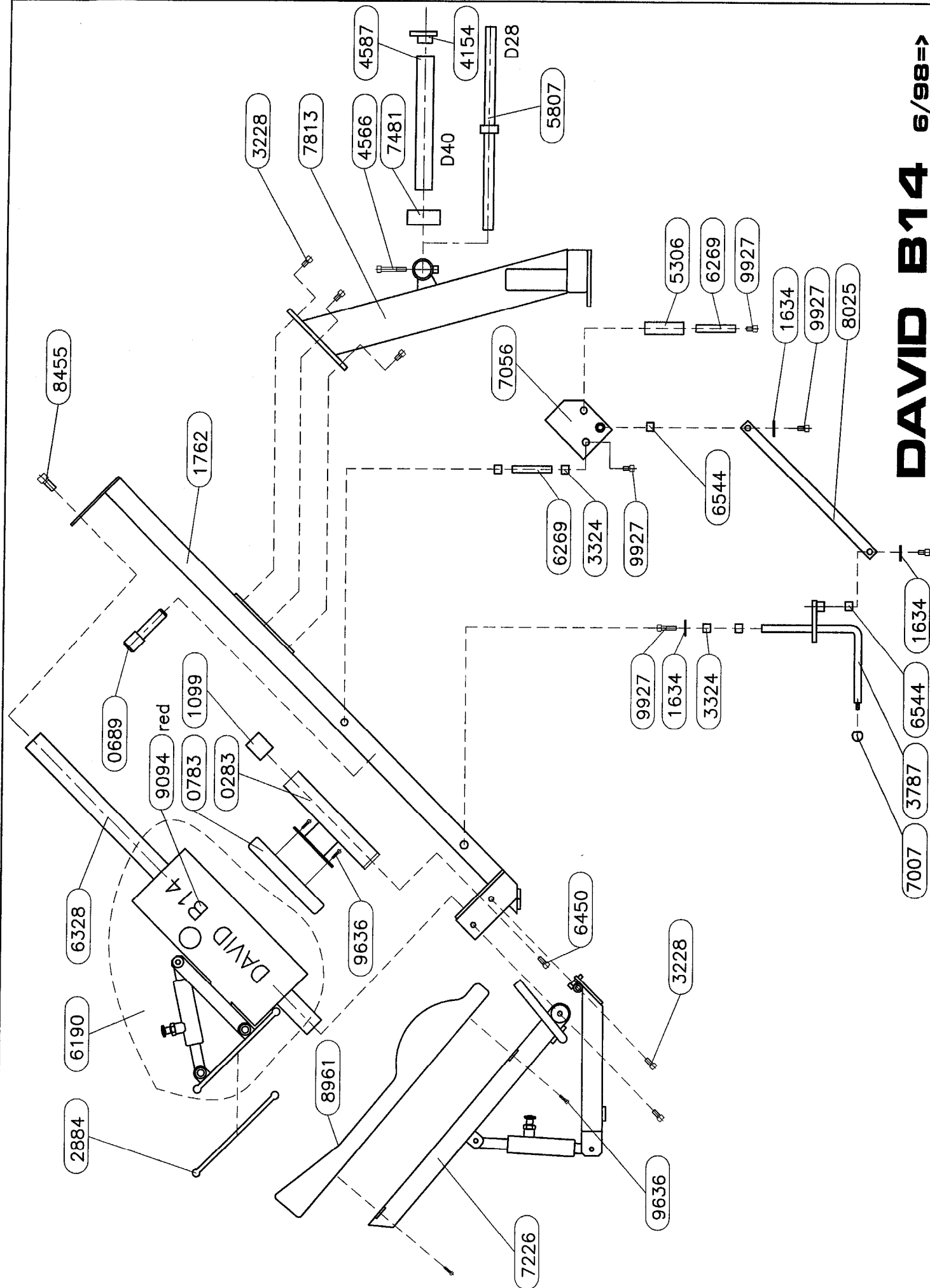
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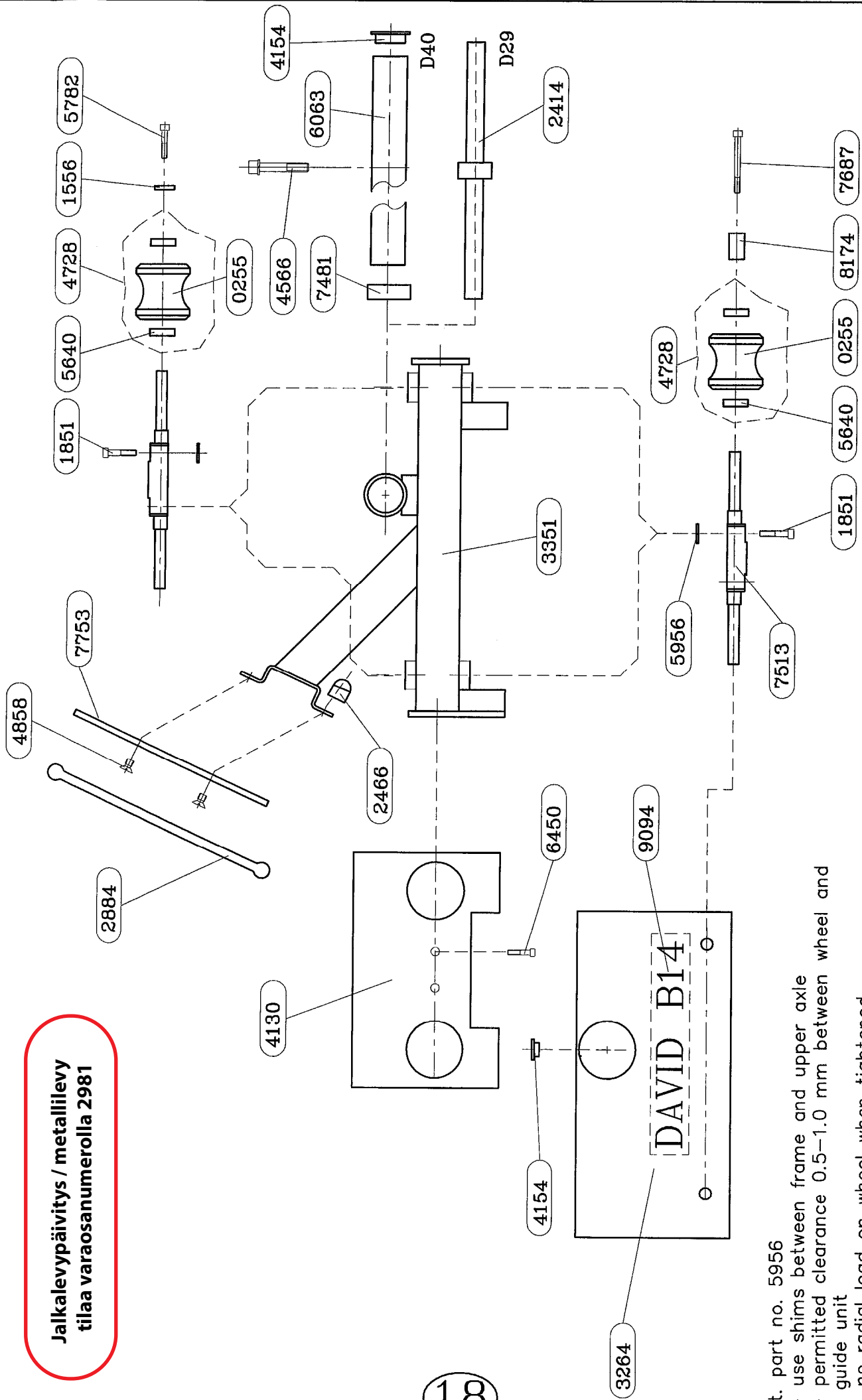






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tilaa varaosanumerolla 2981

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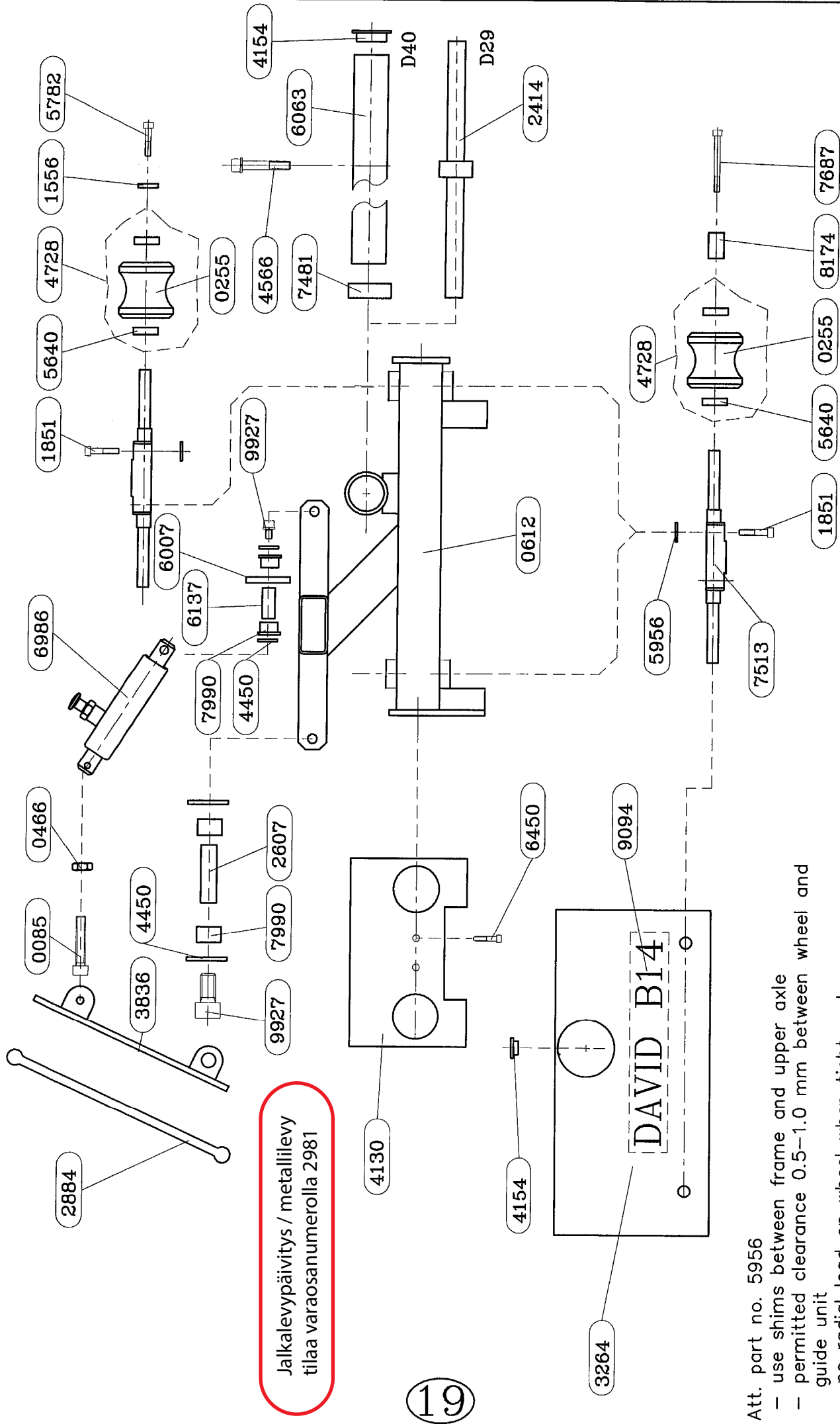
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- permitted clearance 0.5–1.0 mm between wheel and guide unit
- no radial load on wheel when tightened

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2964

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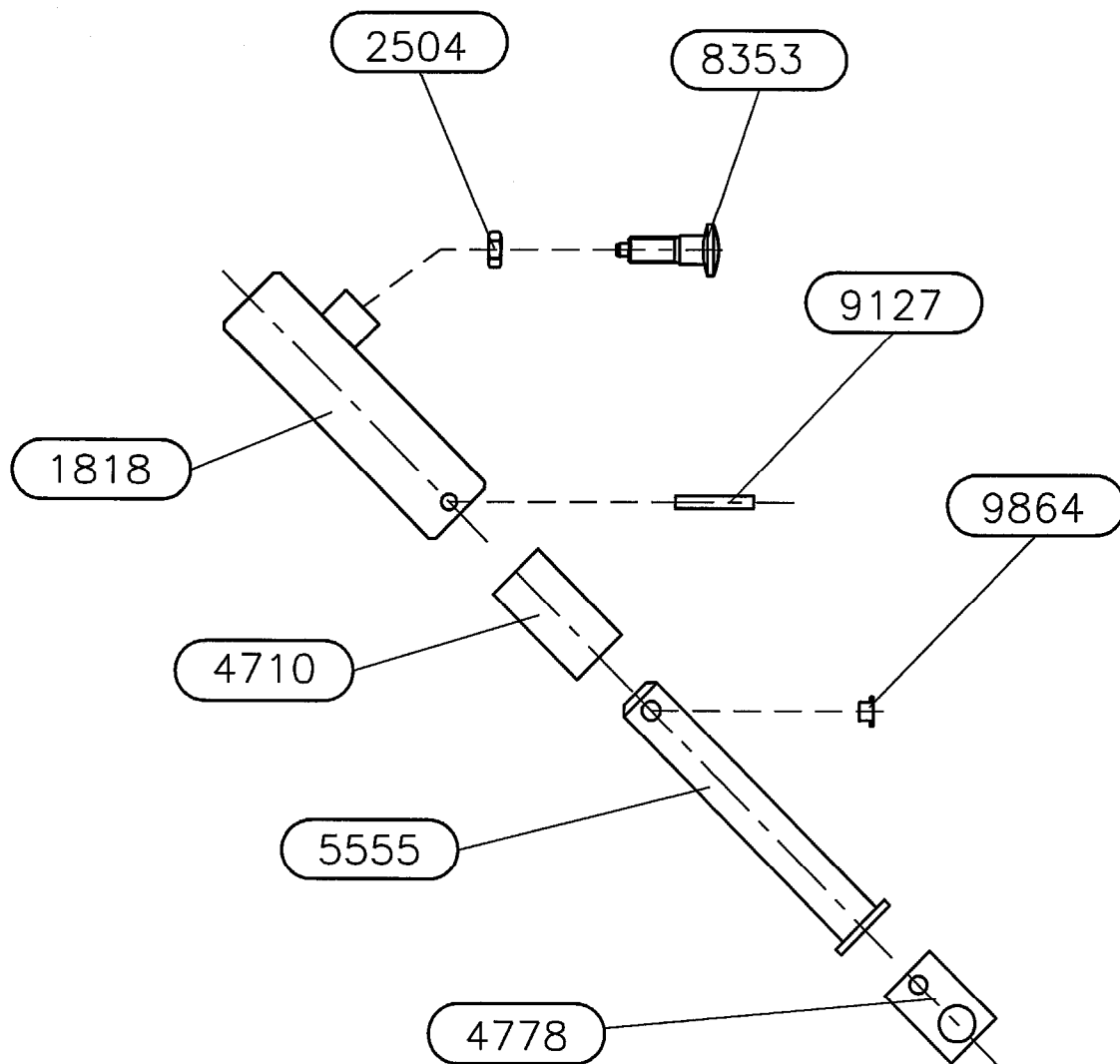
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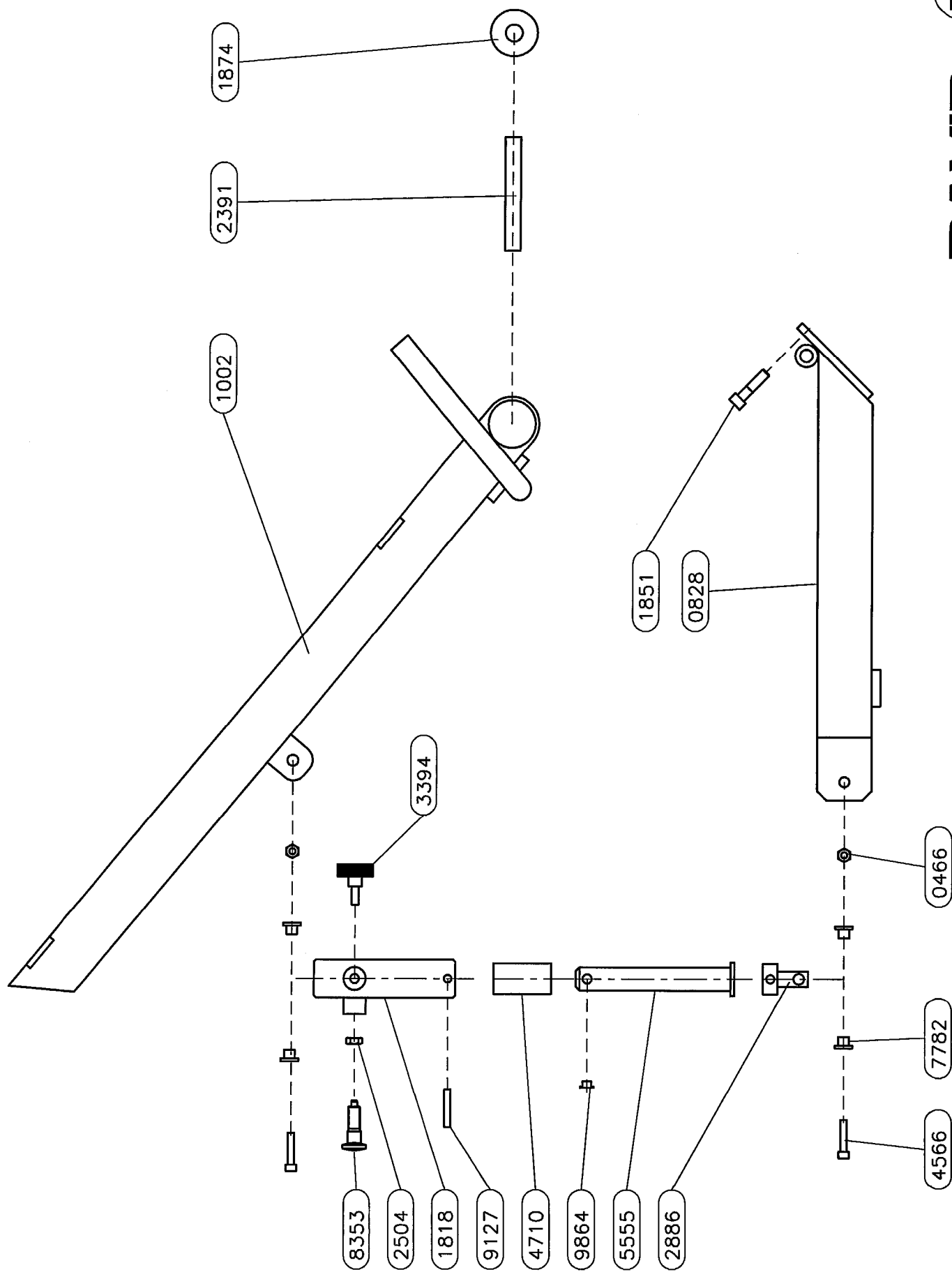
- use shims between frame and upper axle
- permitted clearance 0.5–1.0 mm between wheel and guide unit
- no radial load on wheel when tightened

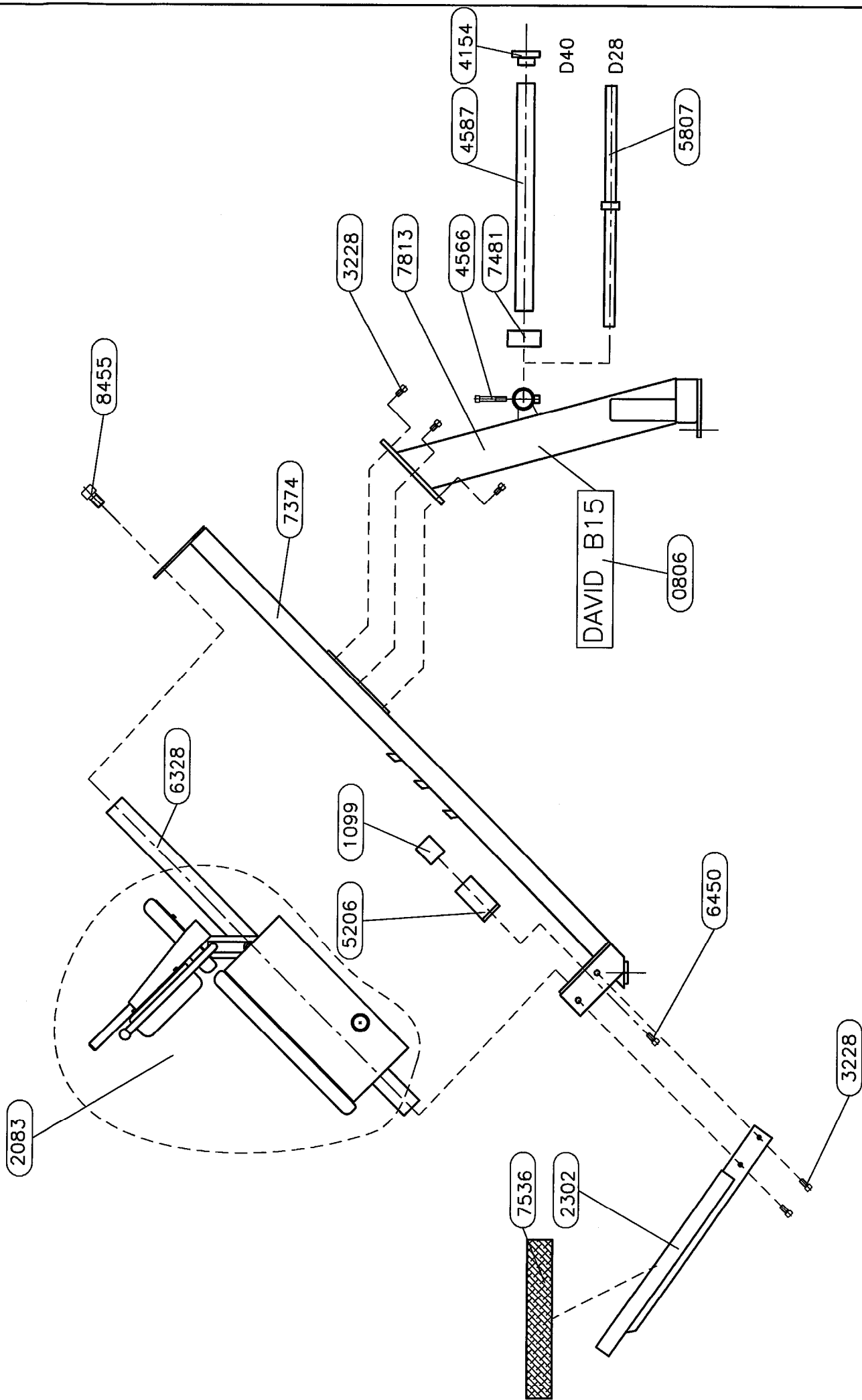
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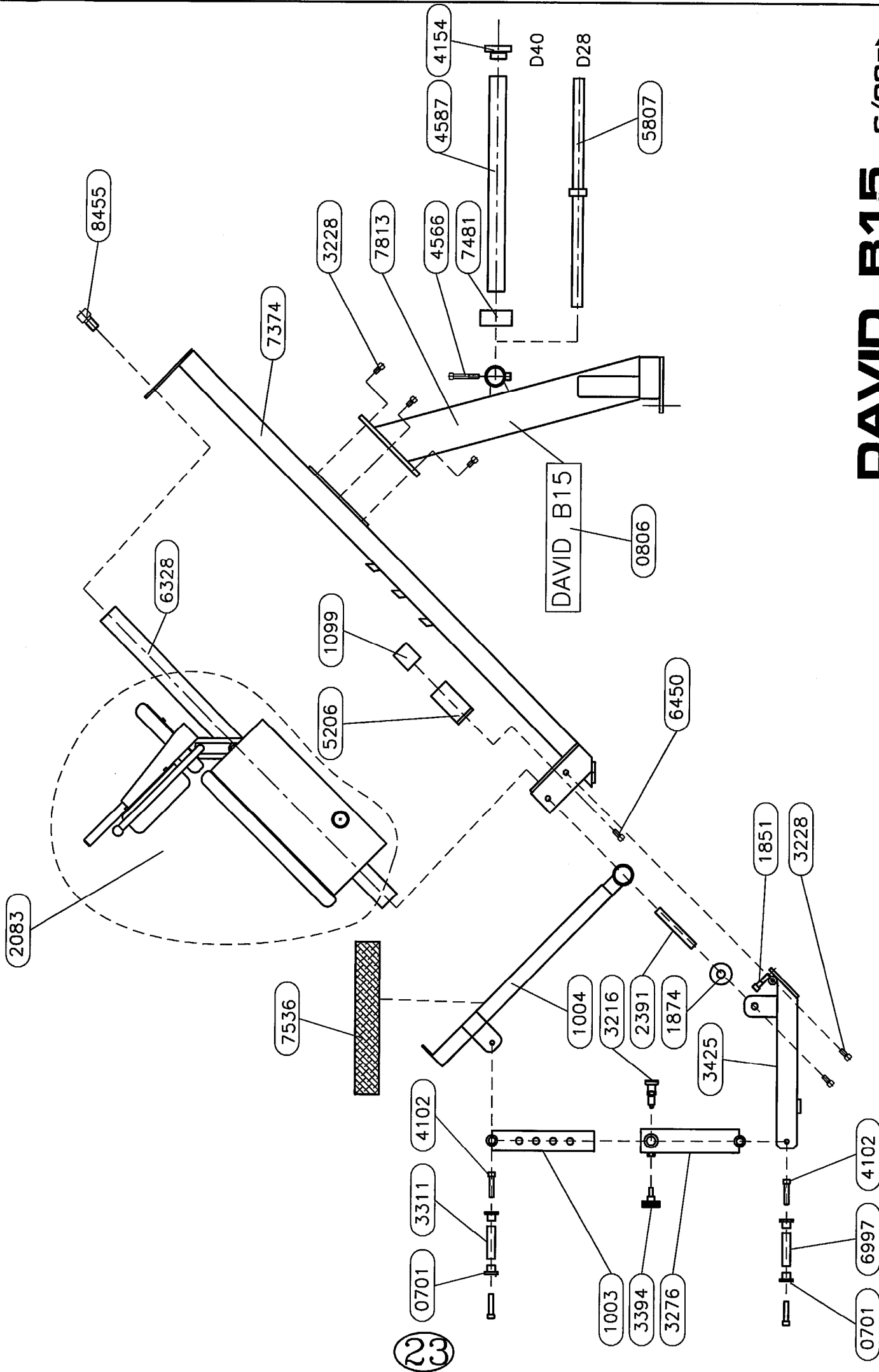
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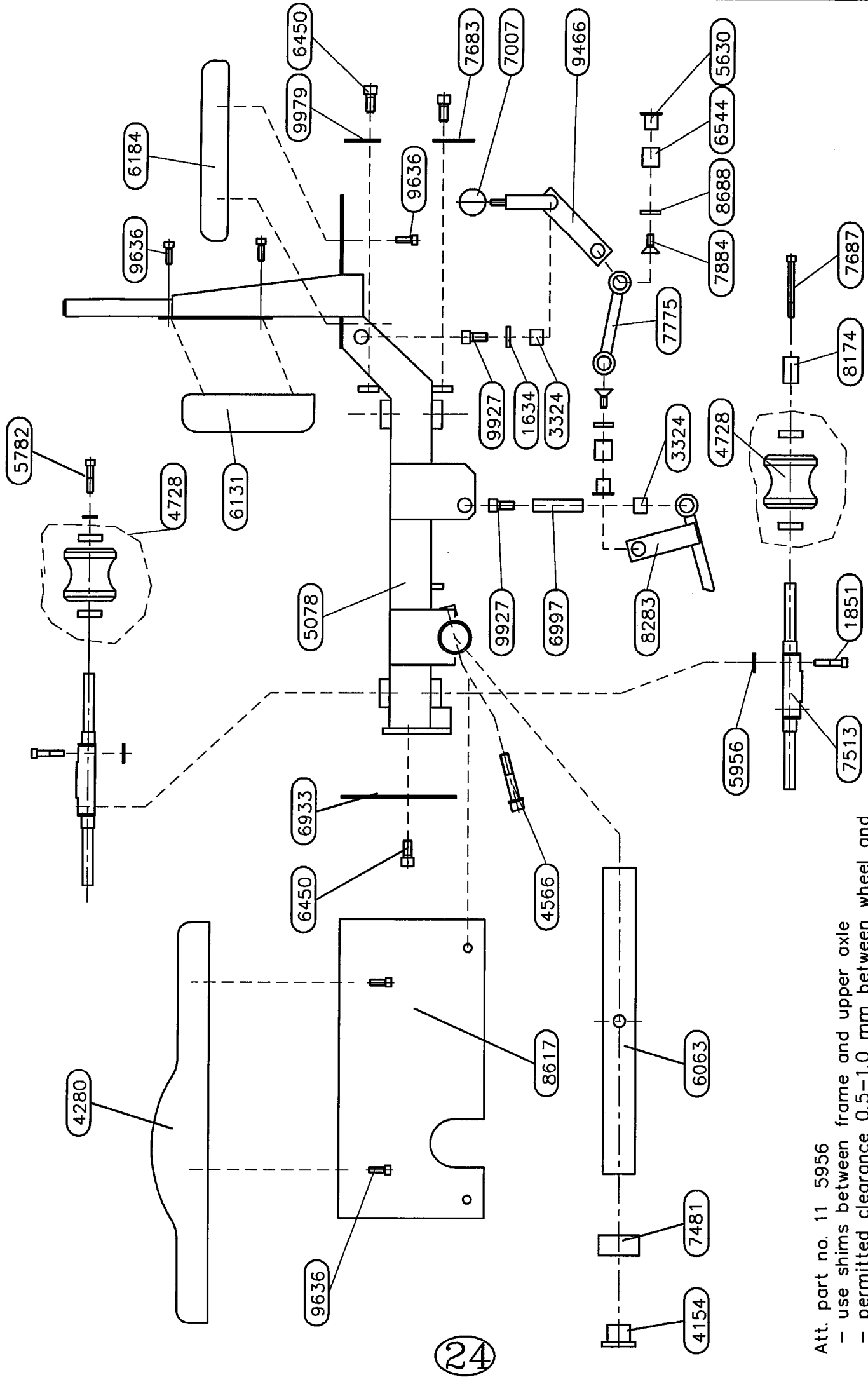








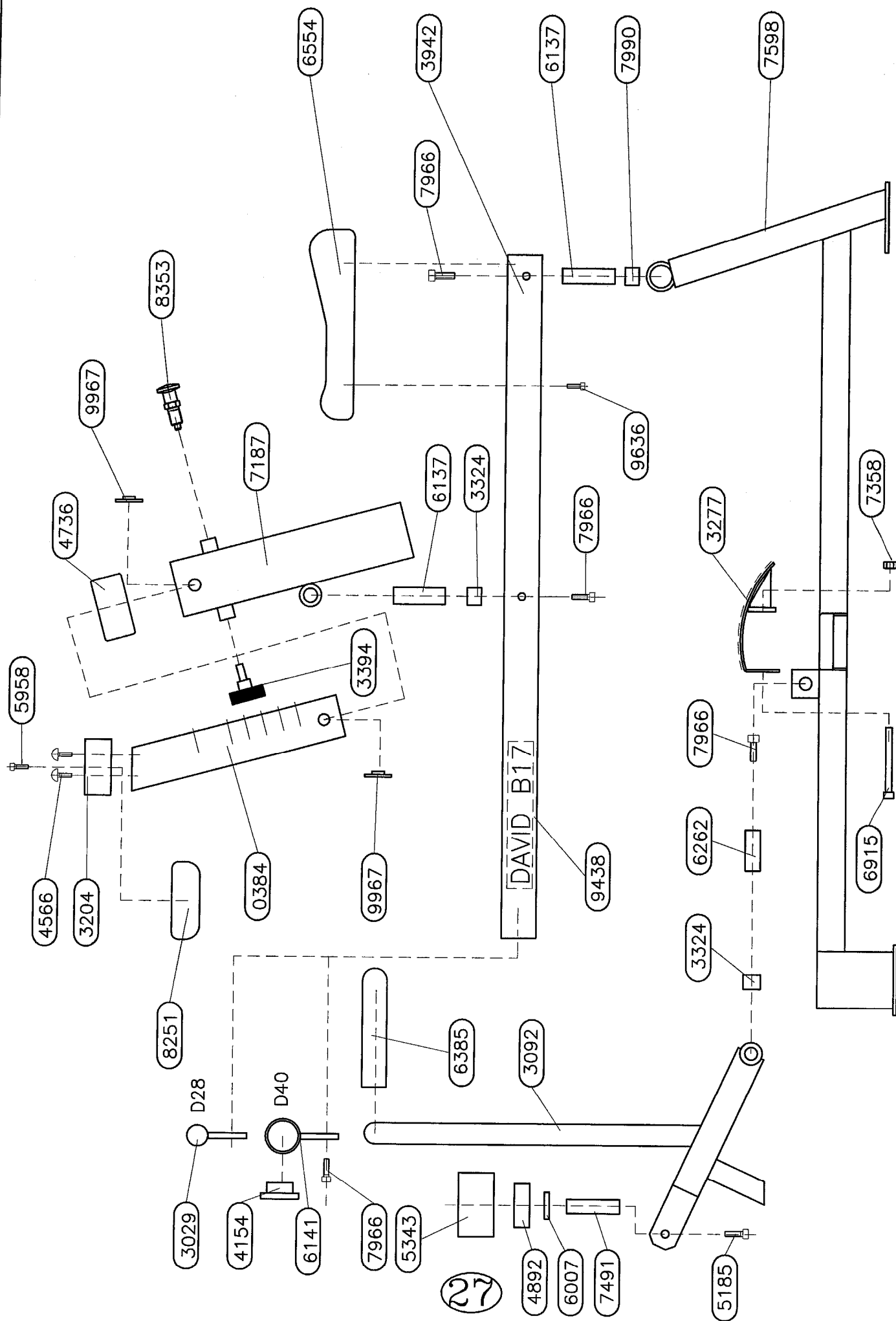
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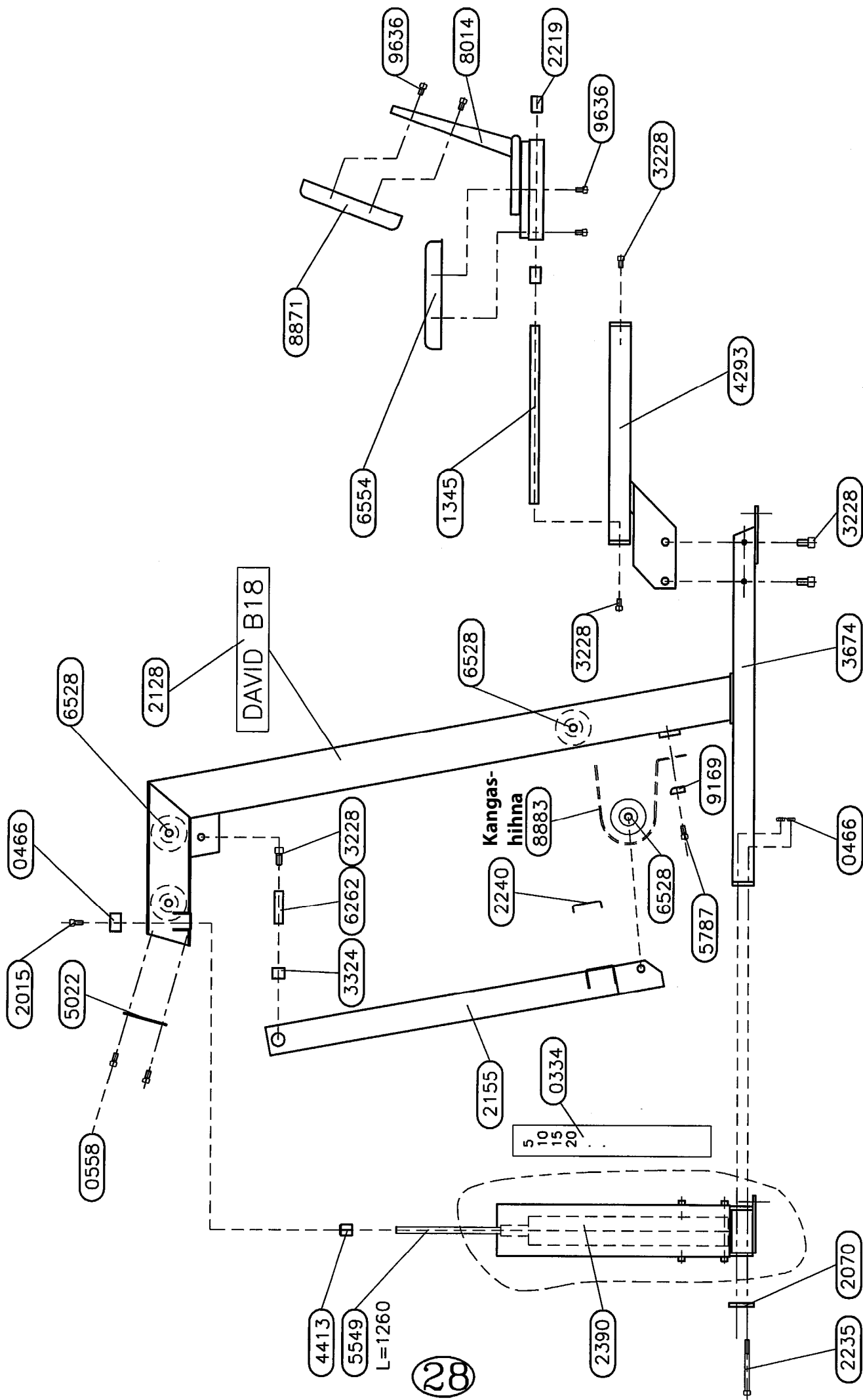


- Att. part no. 11 5956
- use shims between frame and upper axle
 - permitted clearance 0.5-1.0 mm between wheel and guide unit
 - no radial load on wheel when tightened

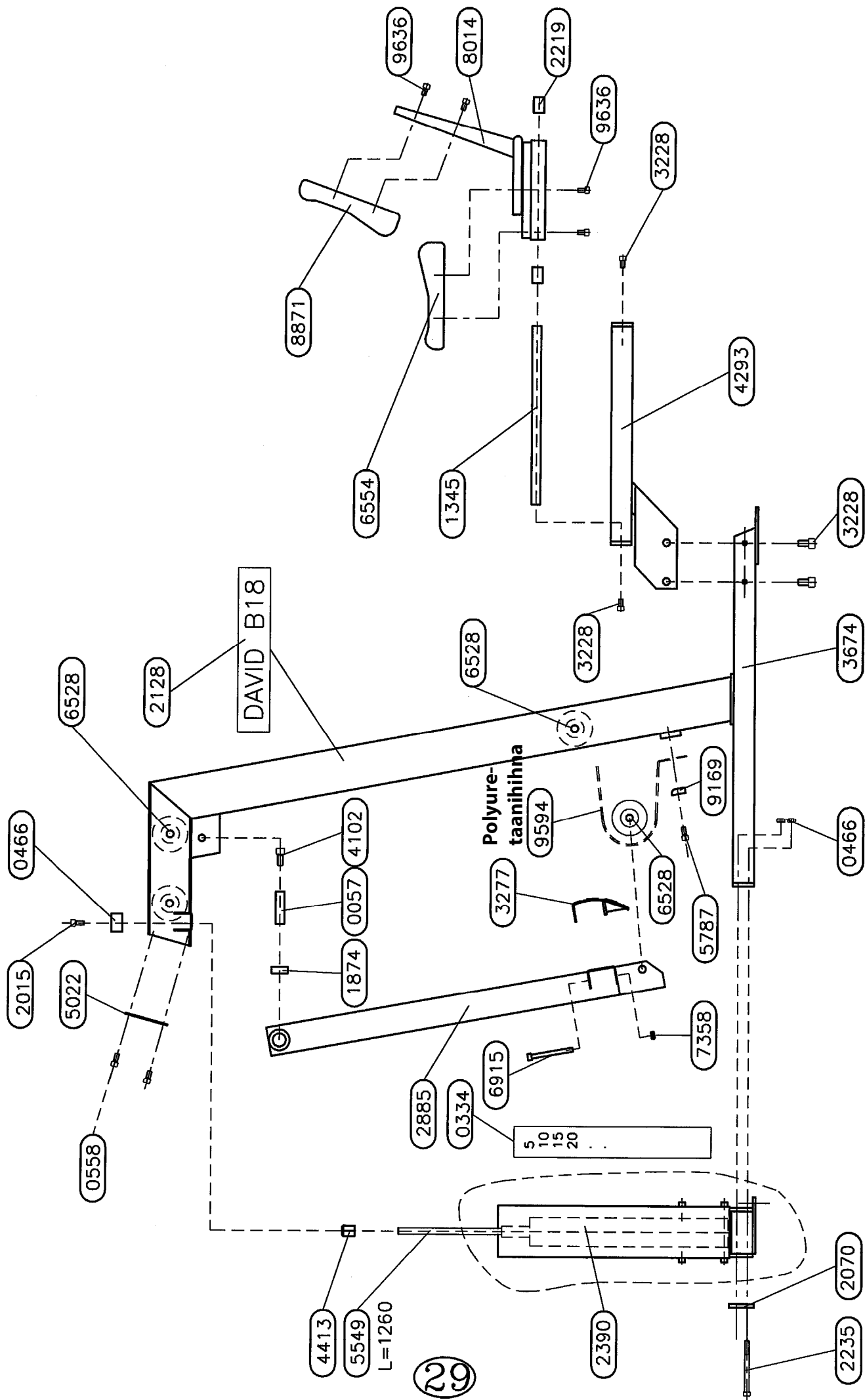
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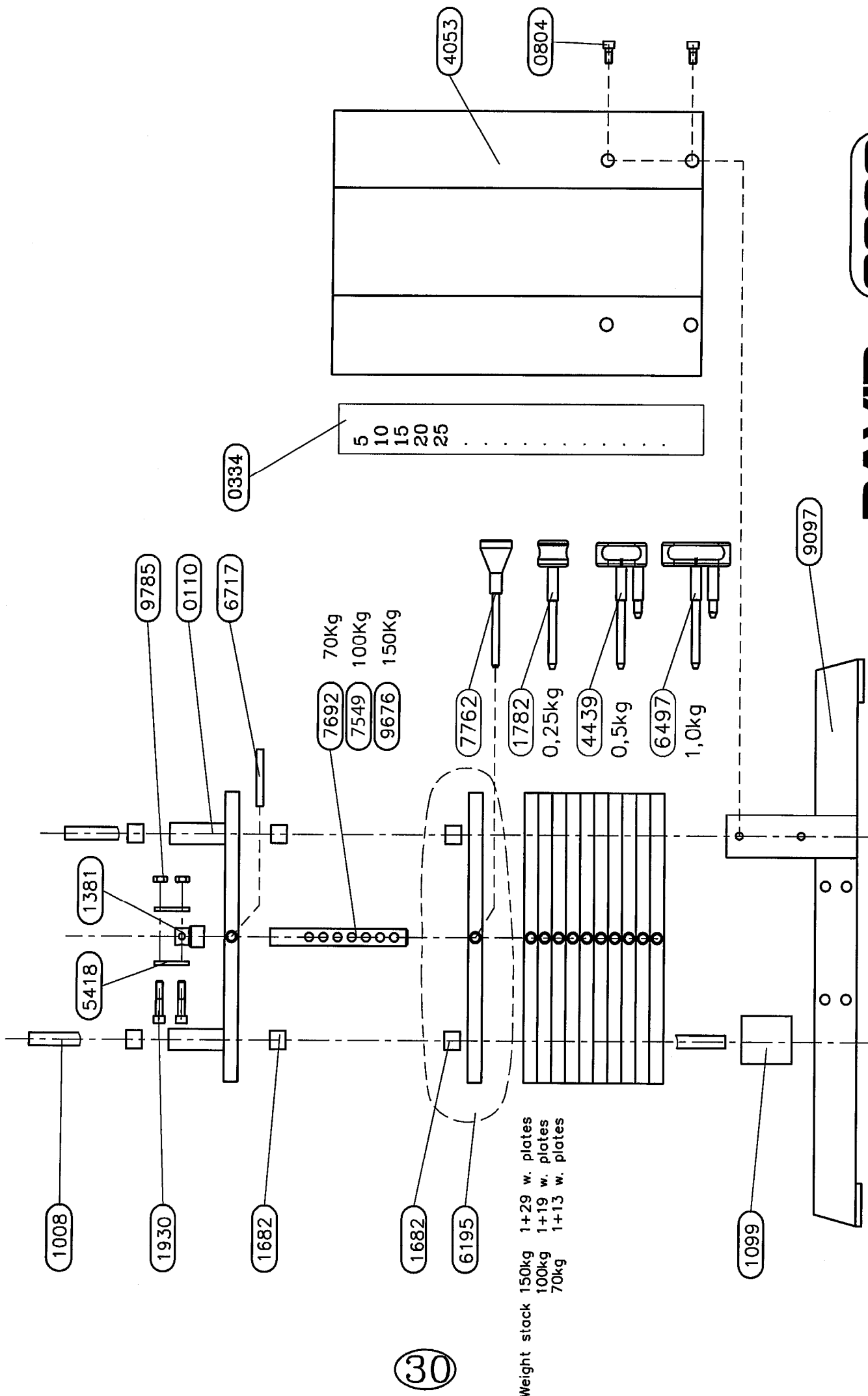
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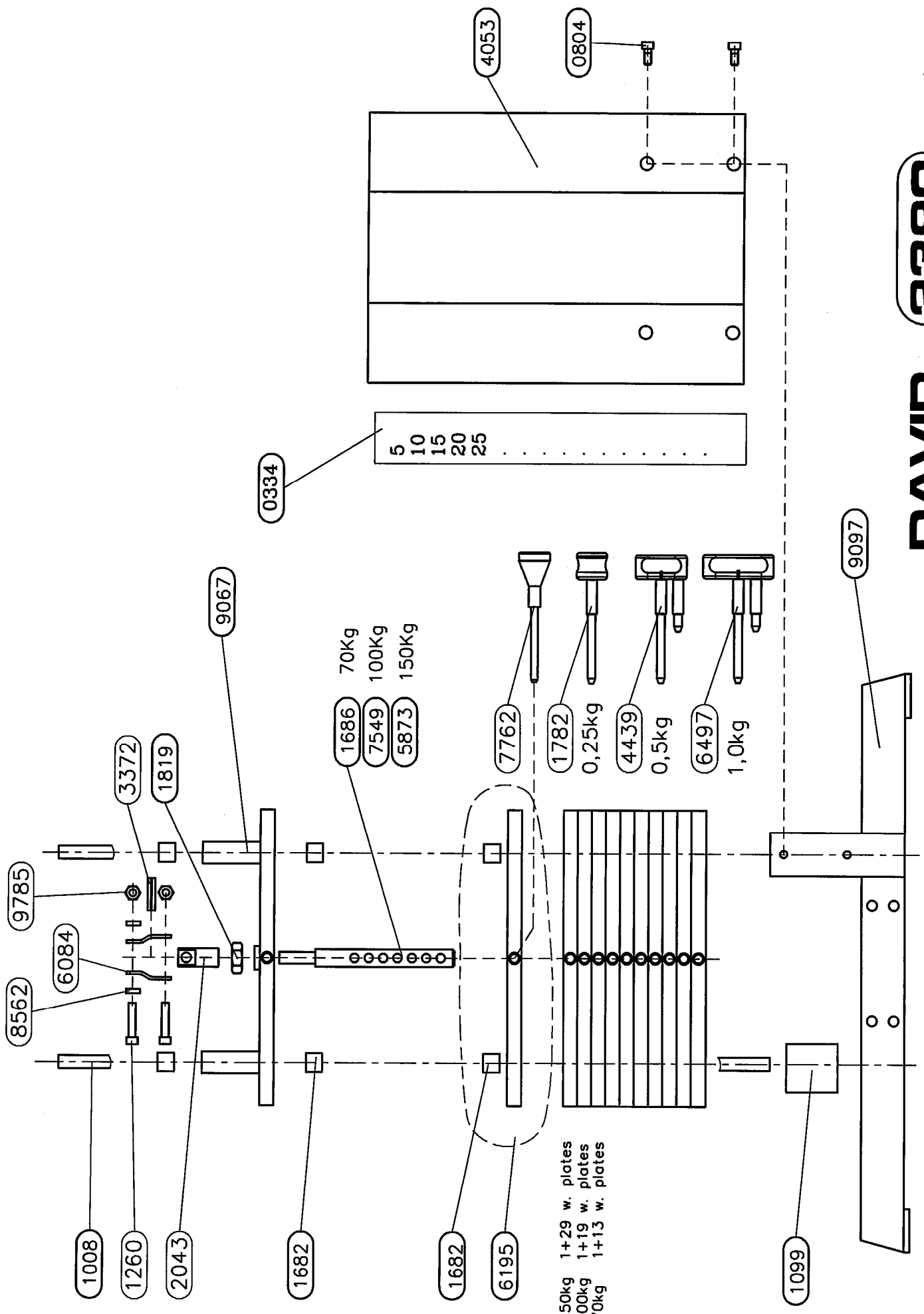


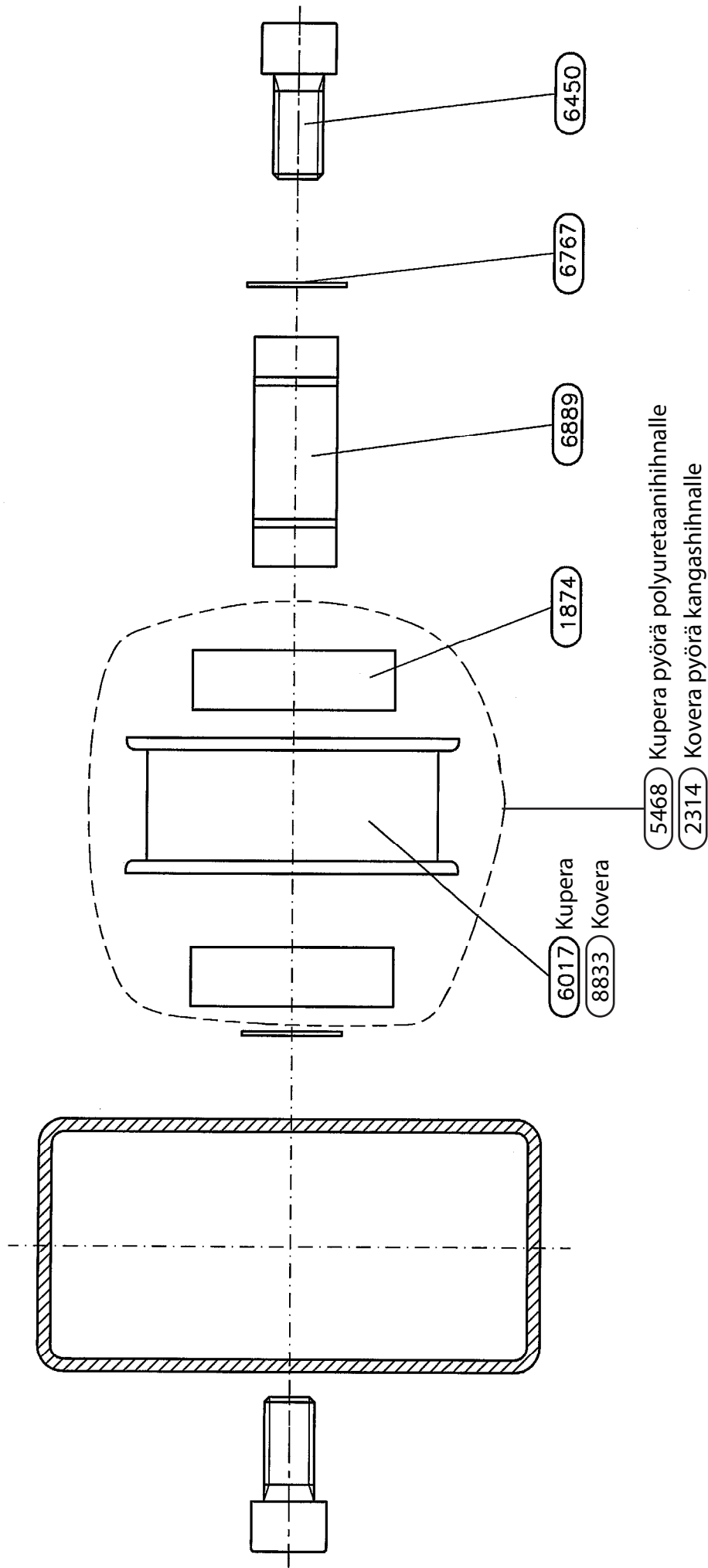
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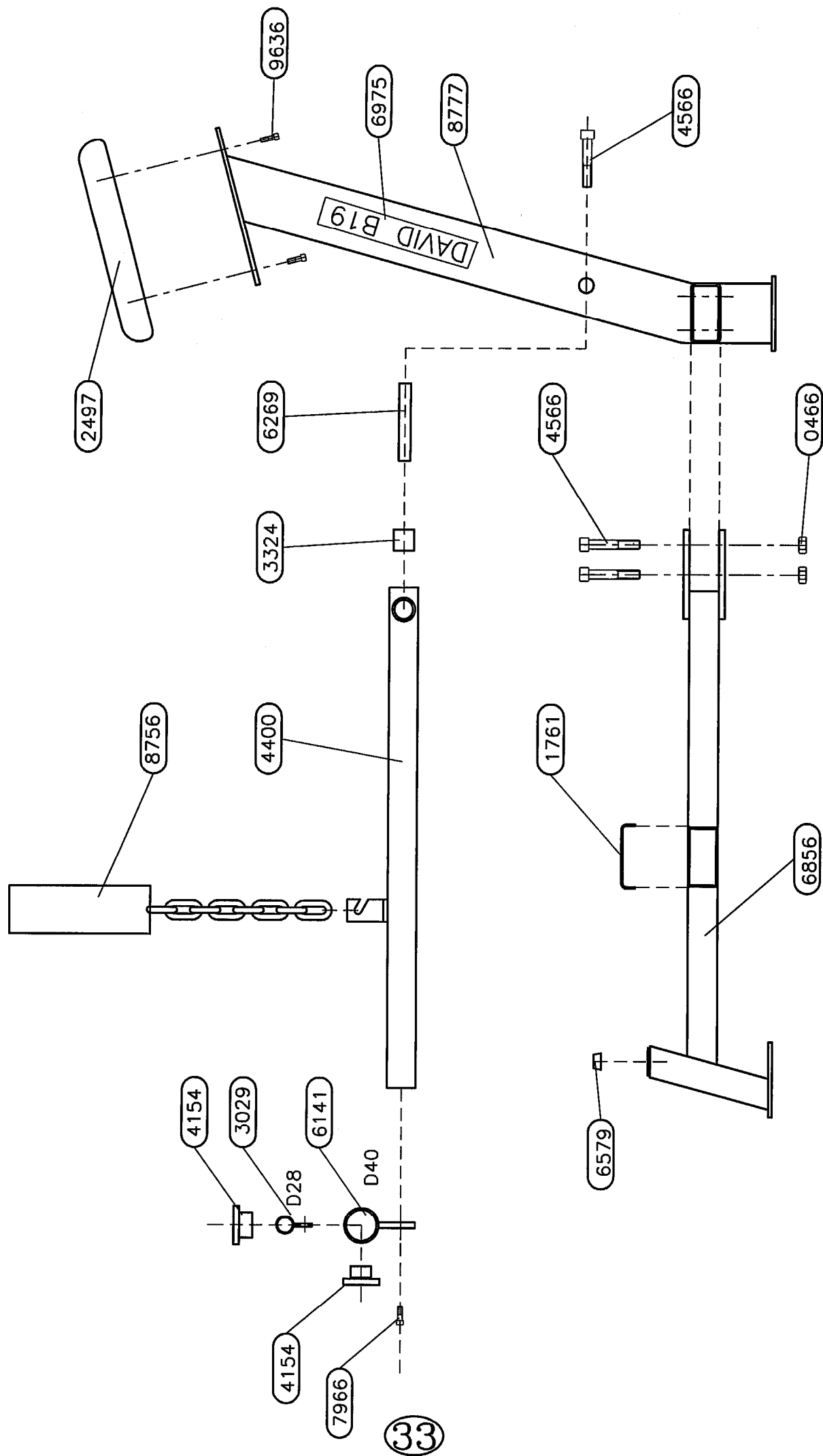
Weight stack 150kg 1+29 w. plates
 100kg 1+19 w. plates
 70kg 1+13 w. plates

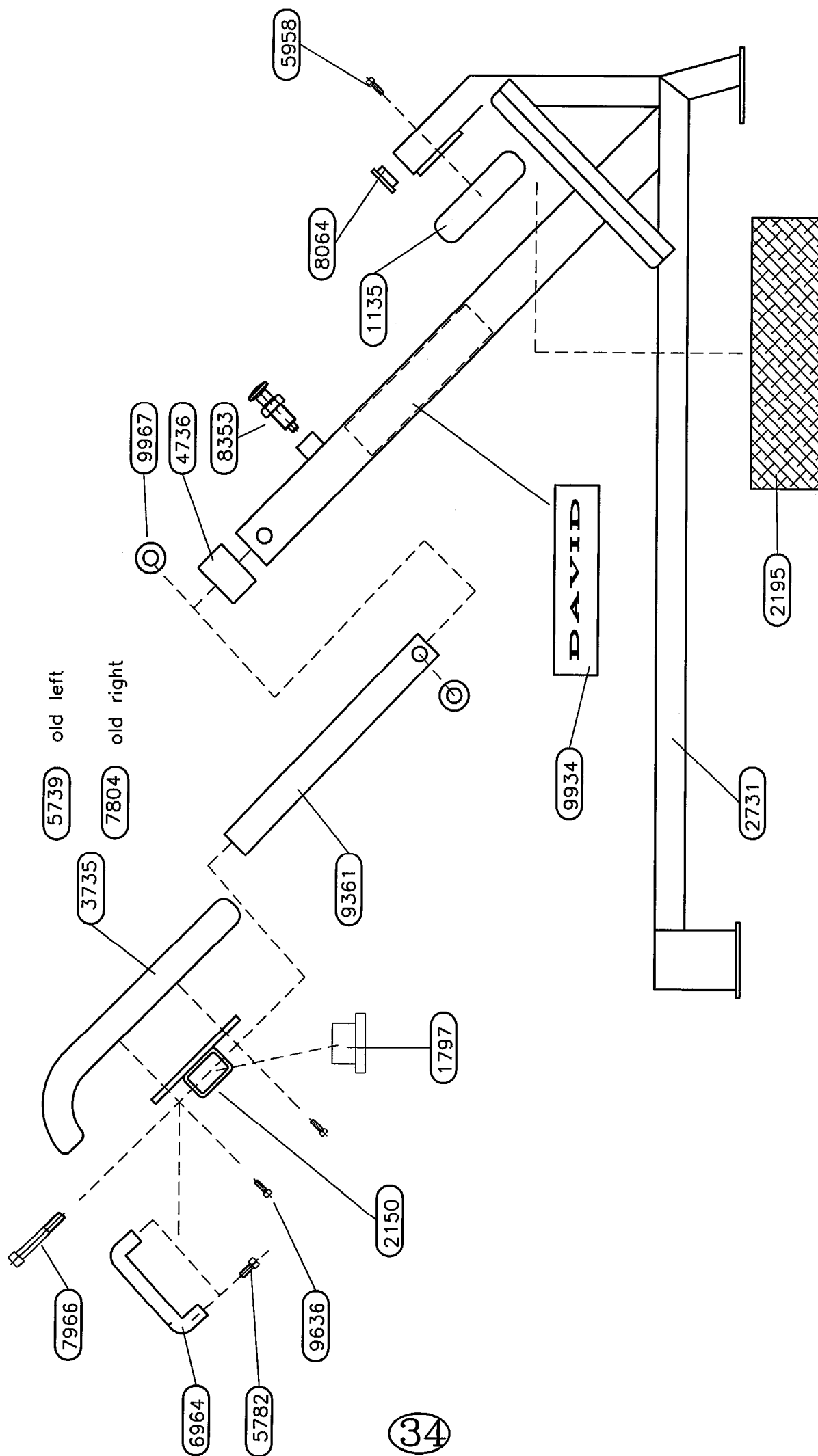




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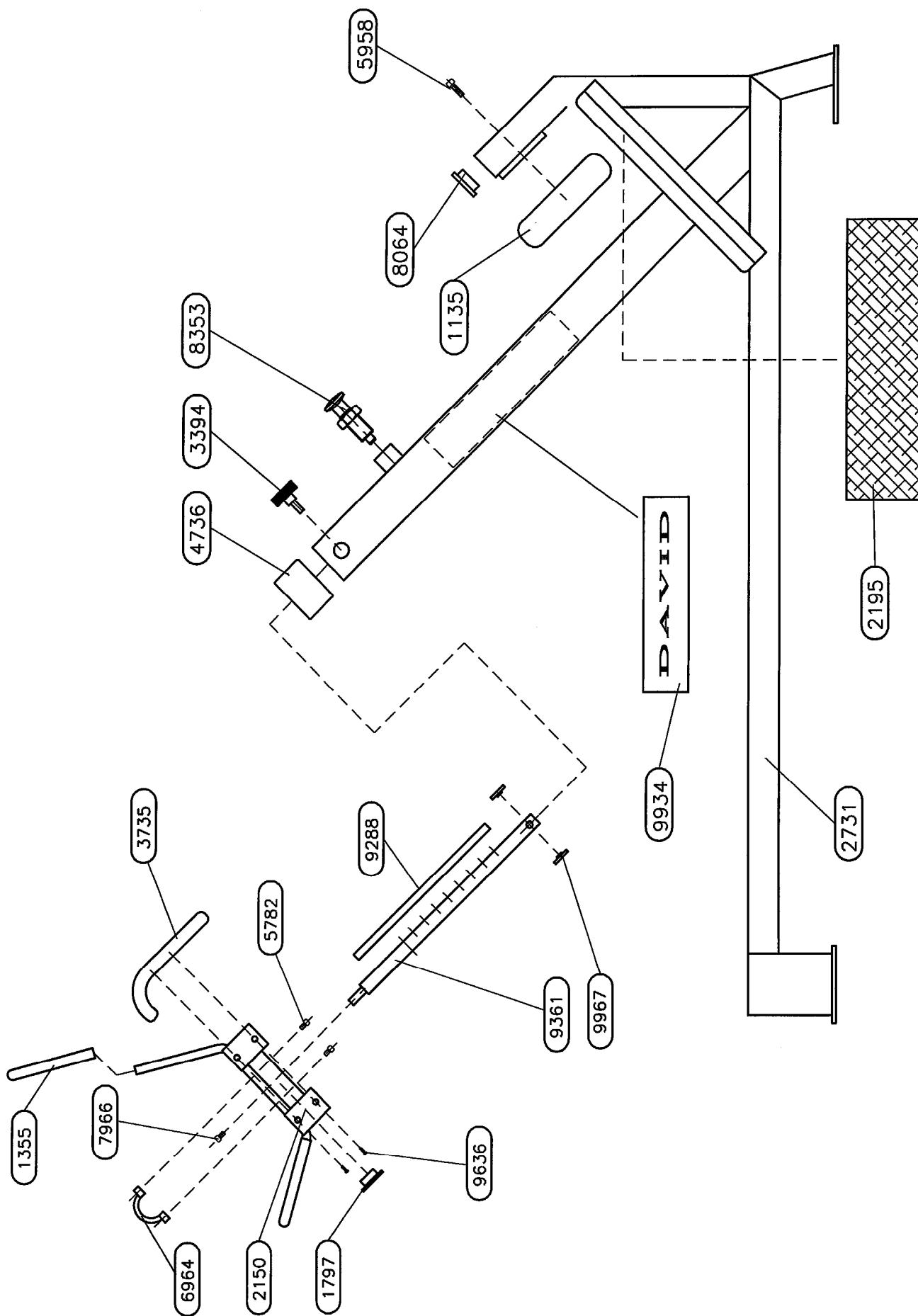
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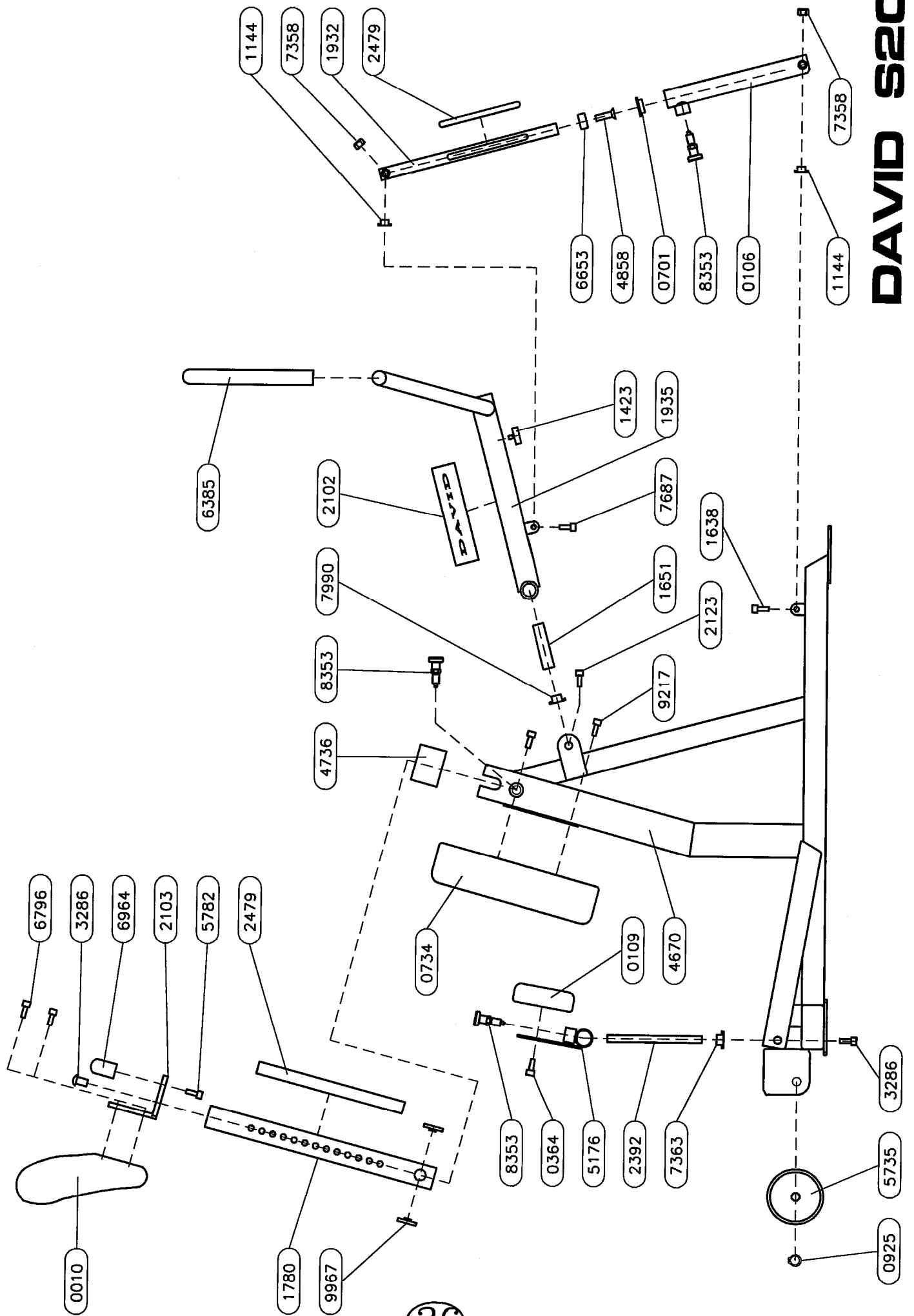




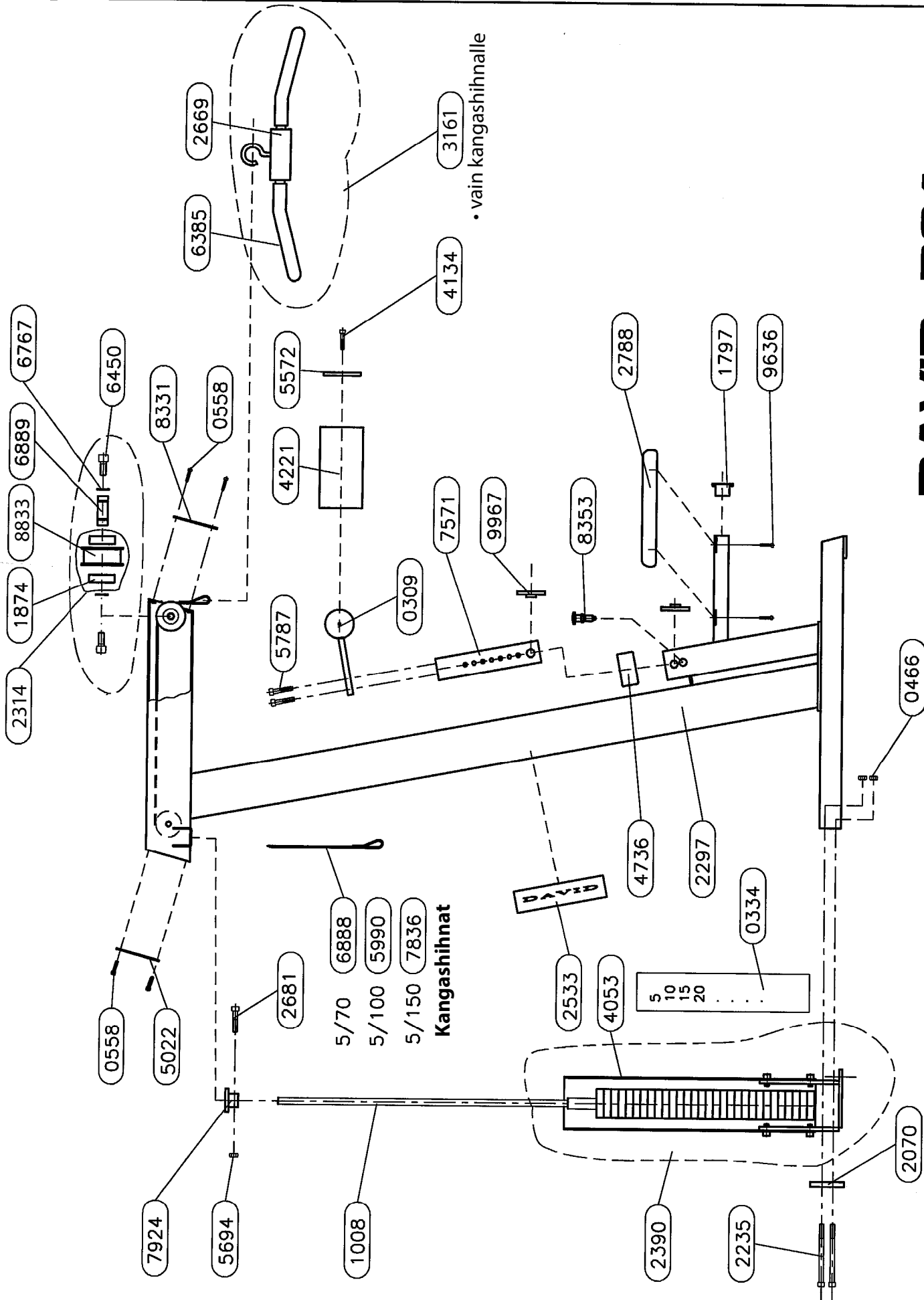
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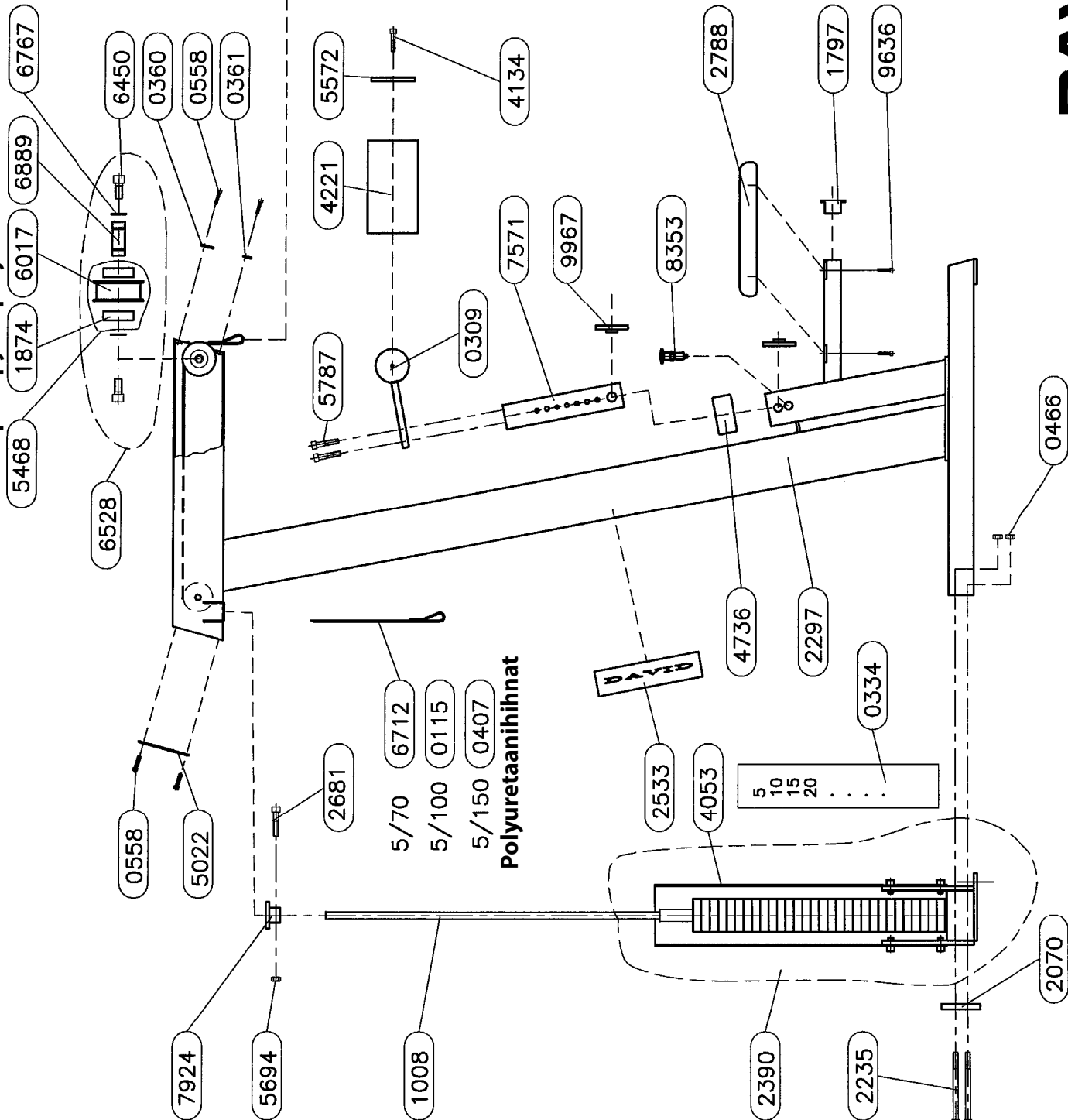




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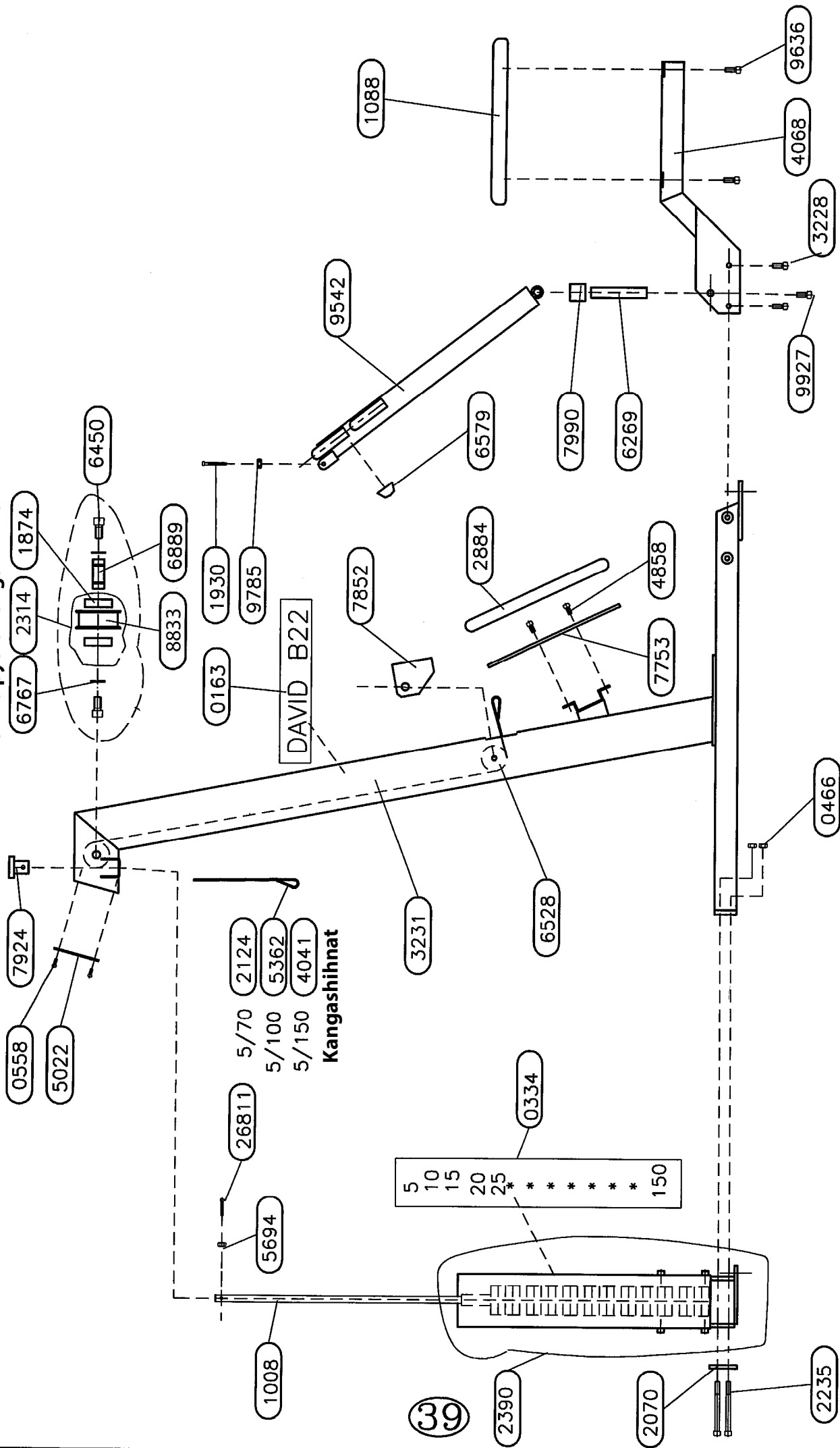


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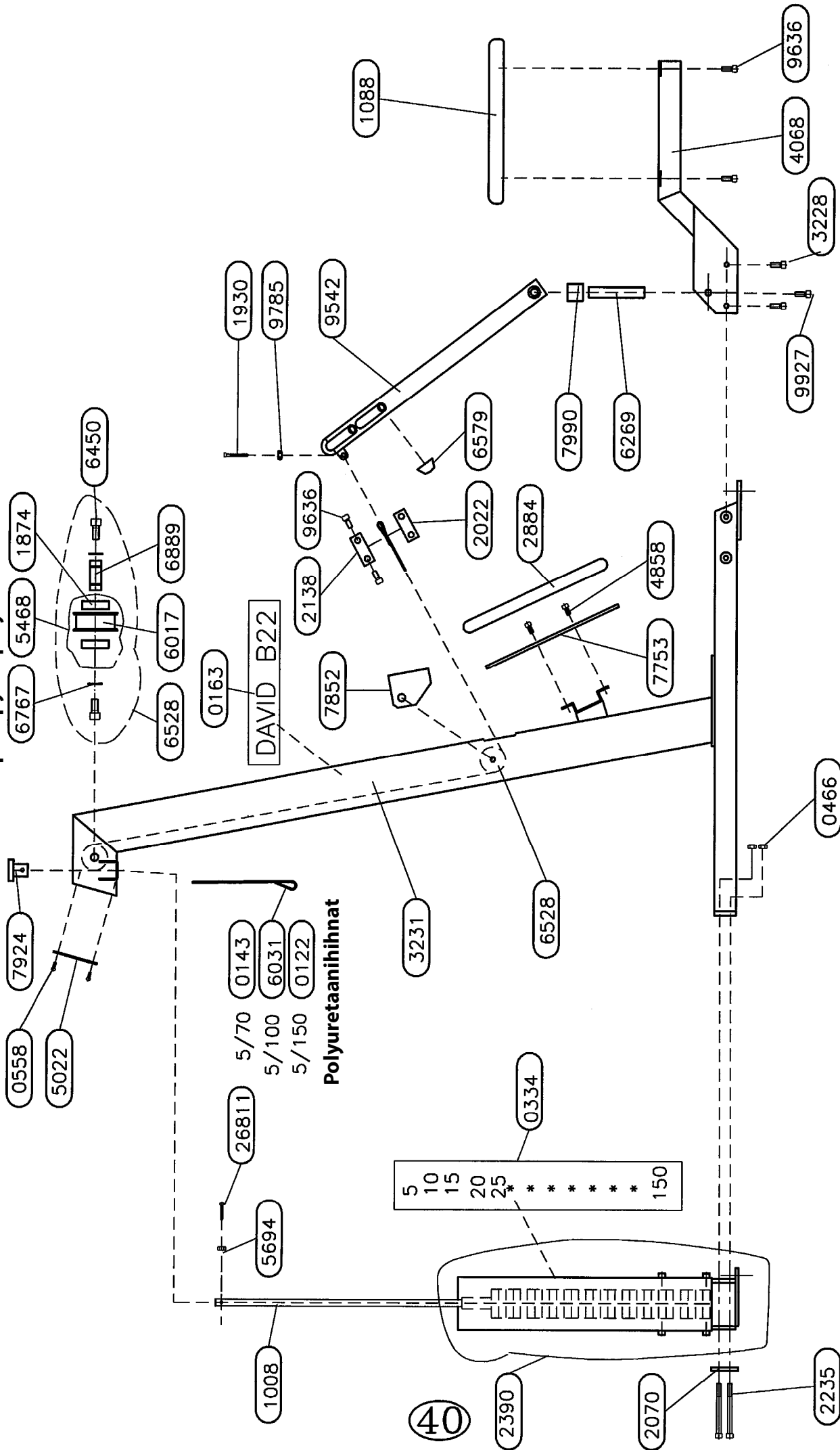


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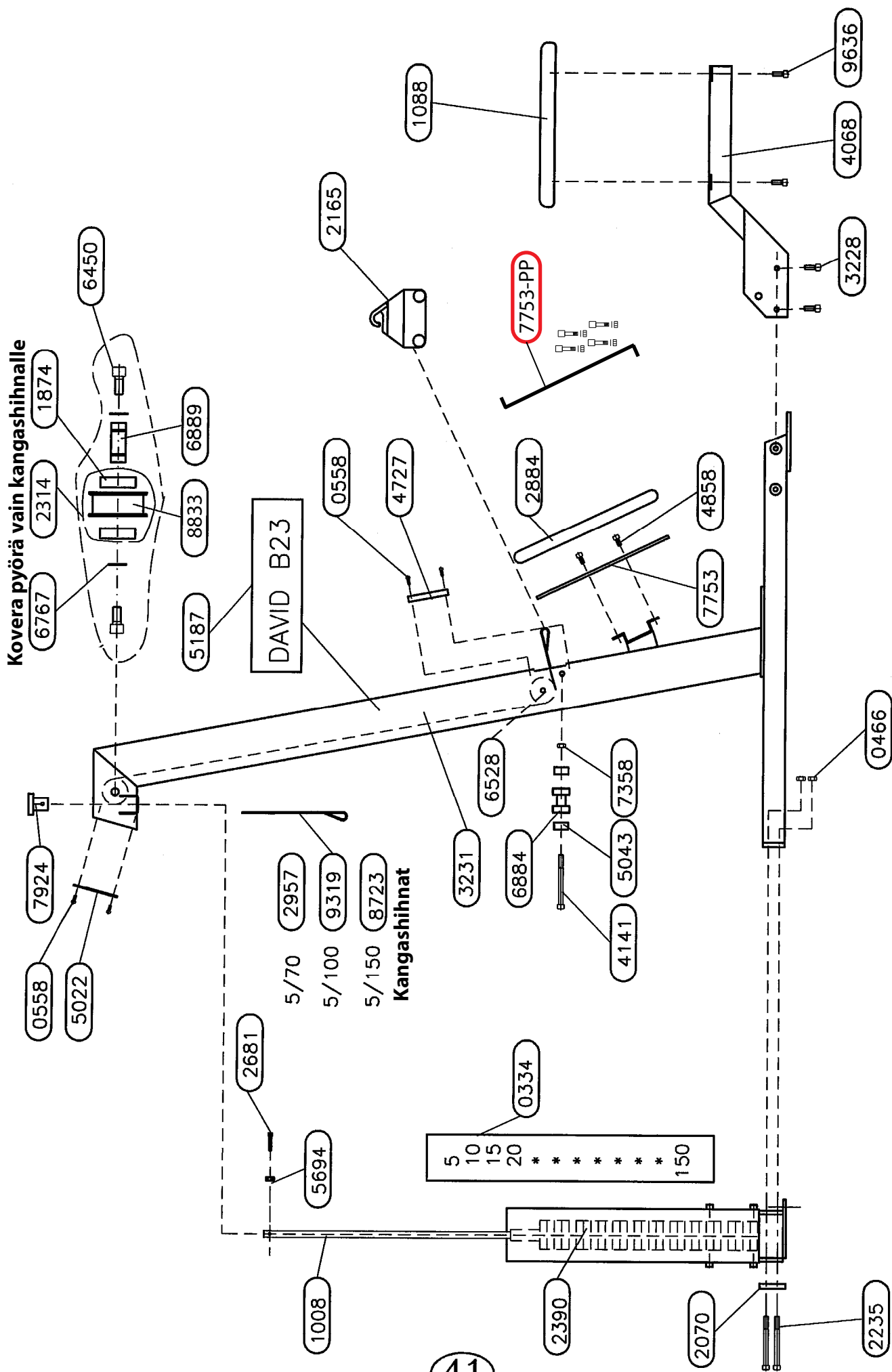
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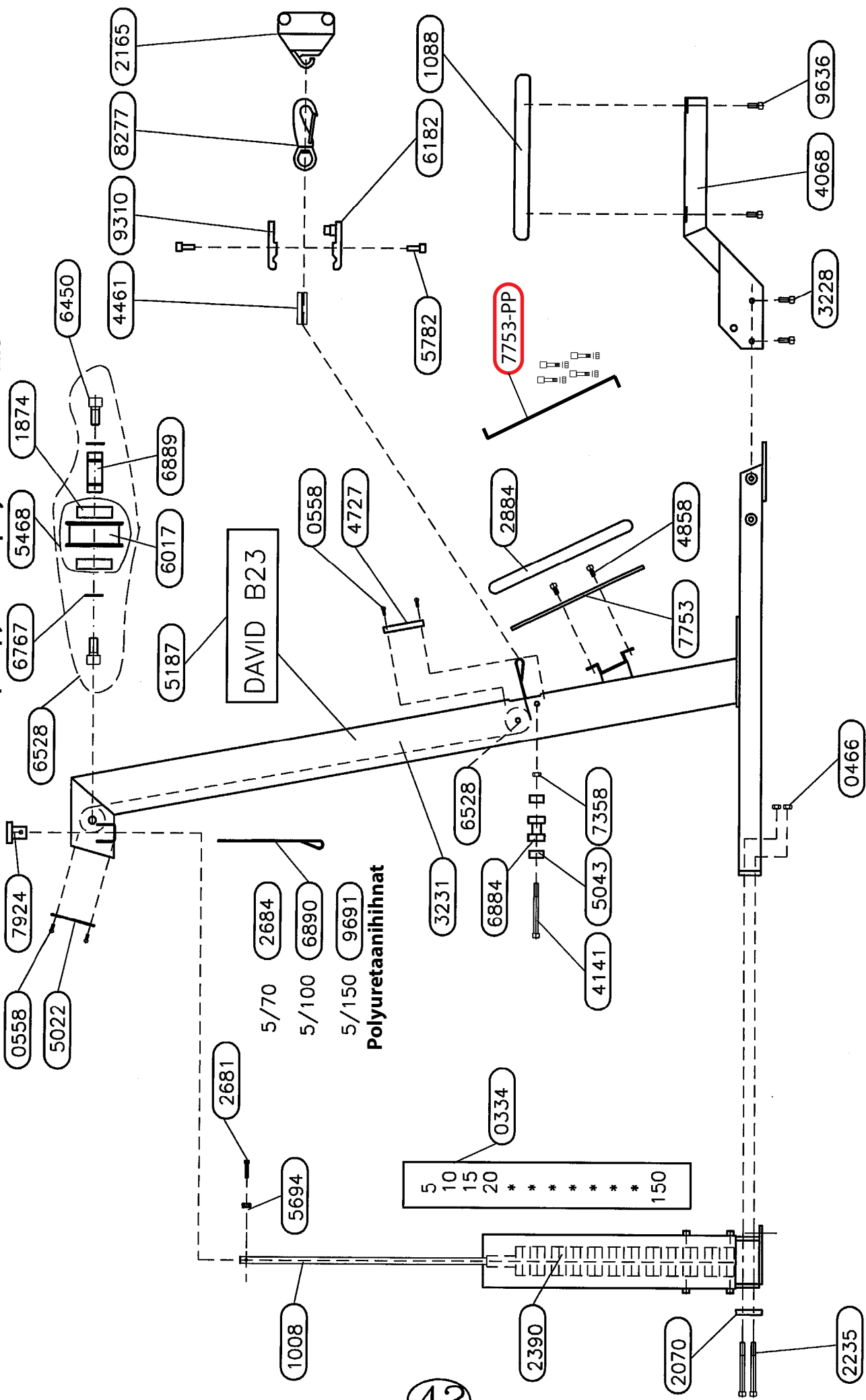
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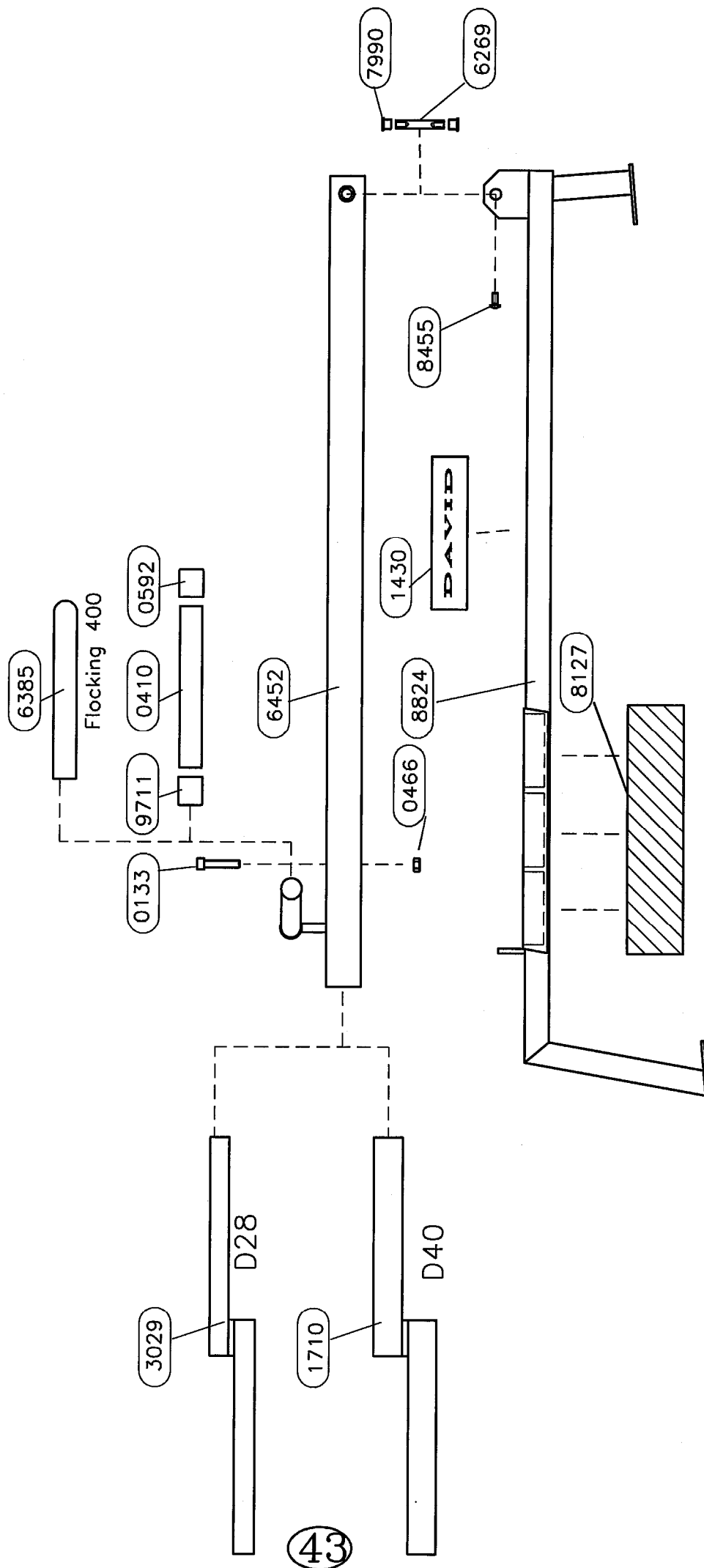


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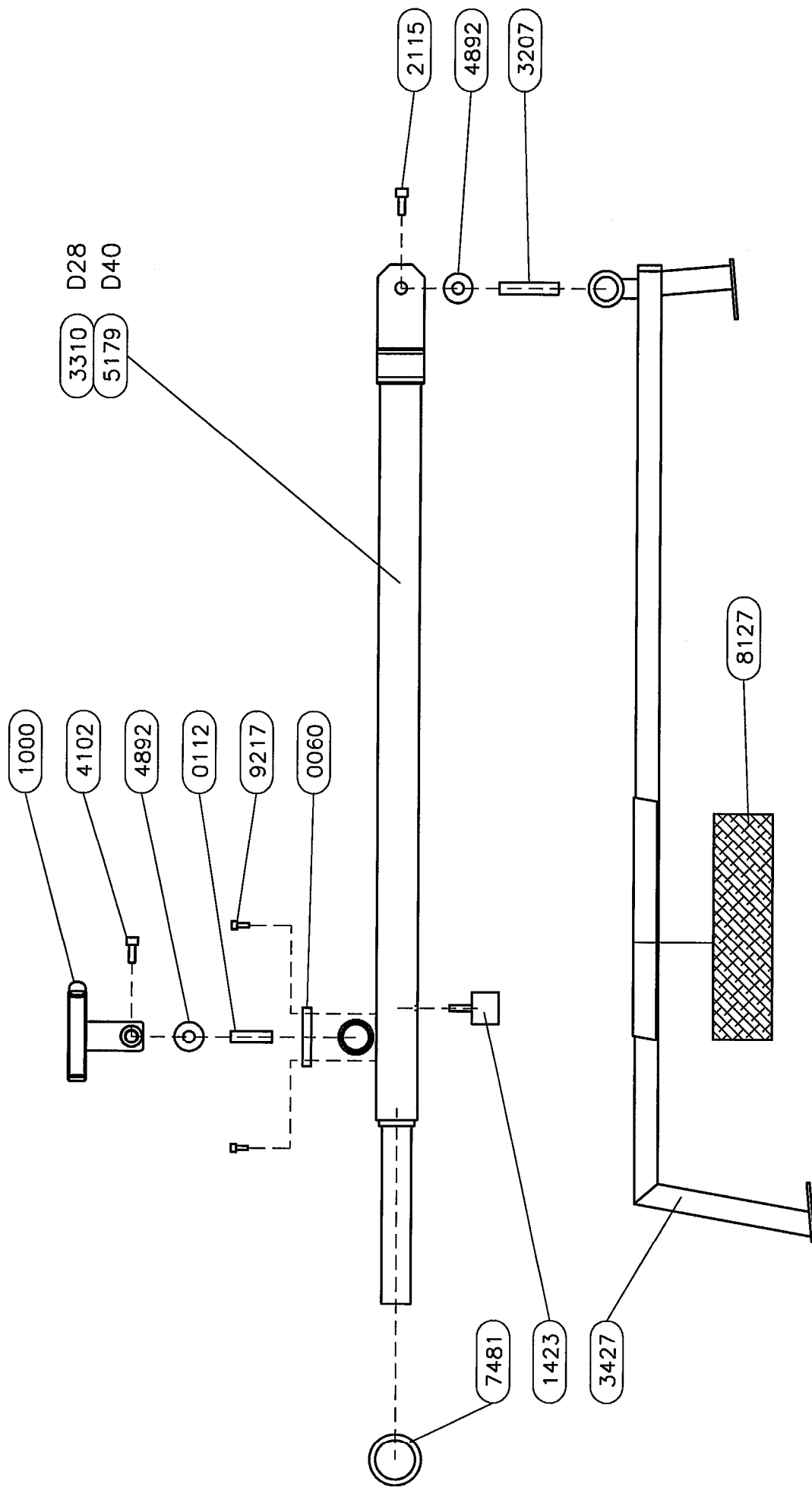
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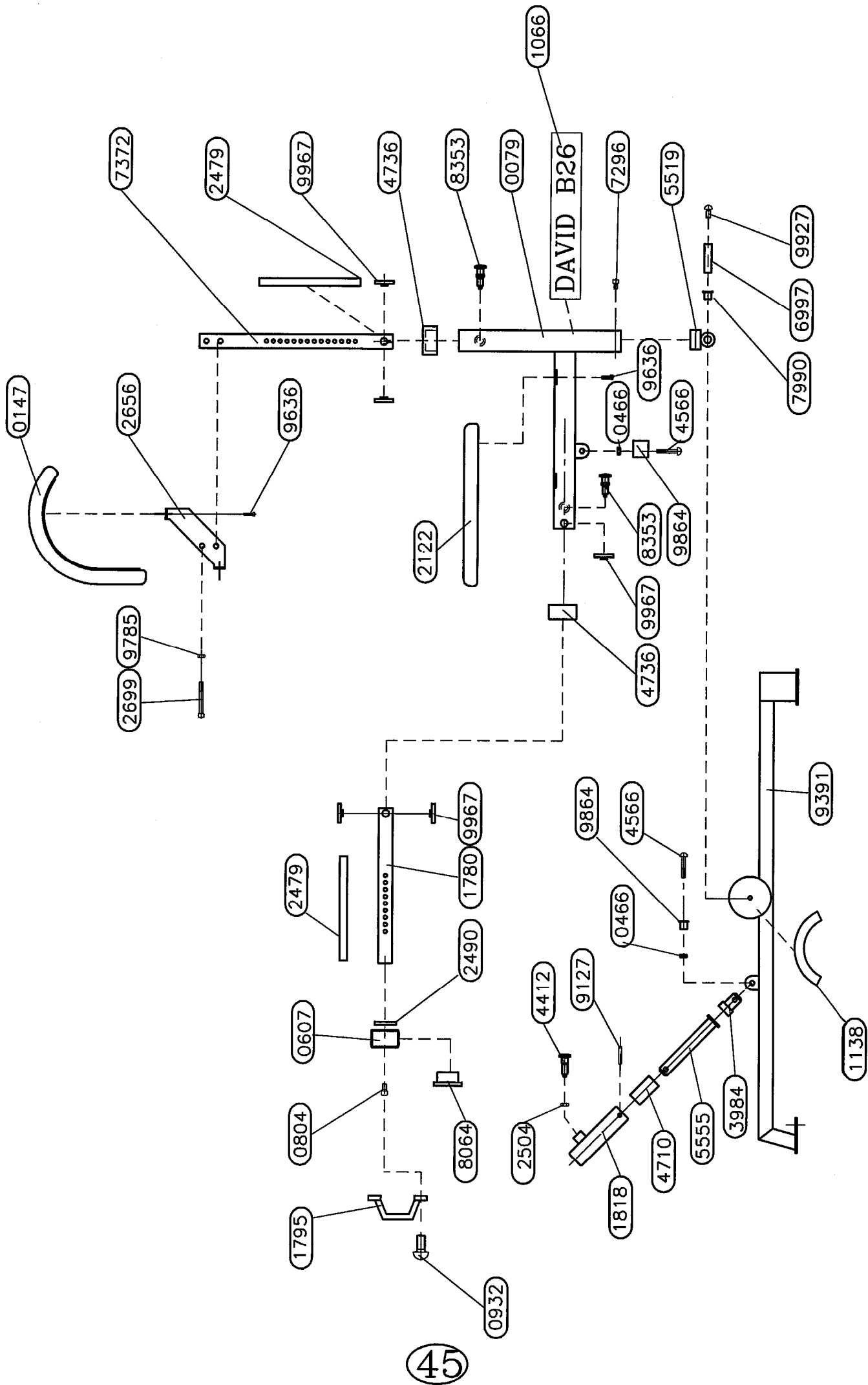




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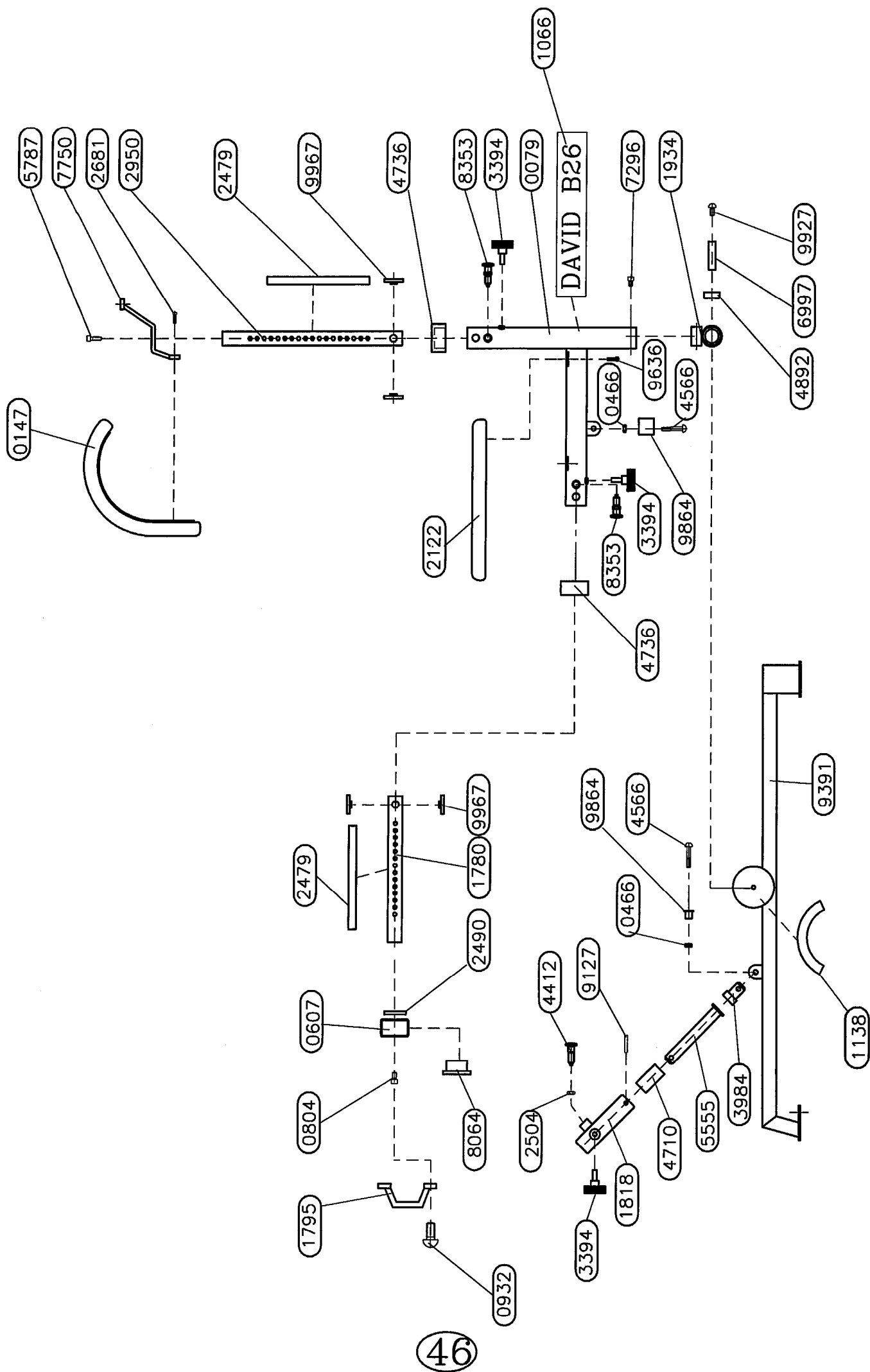
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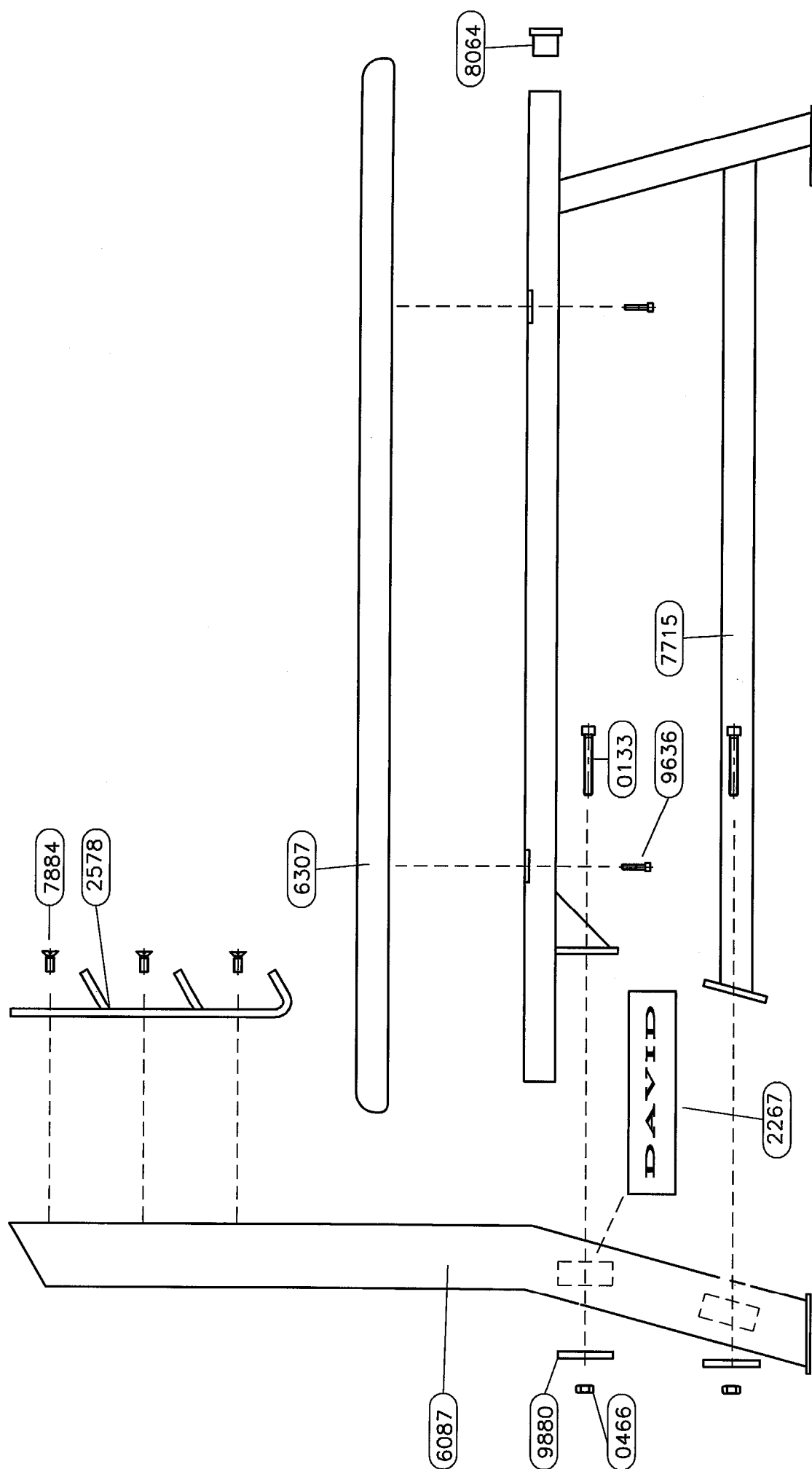




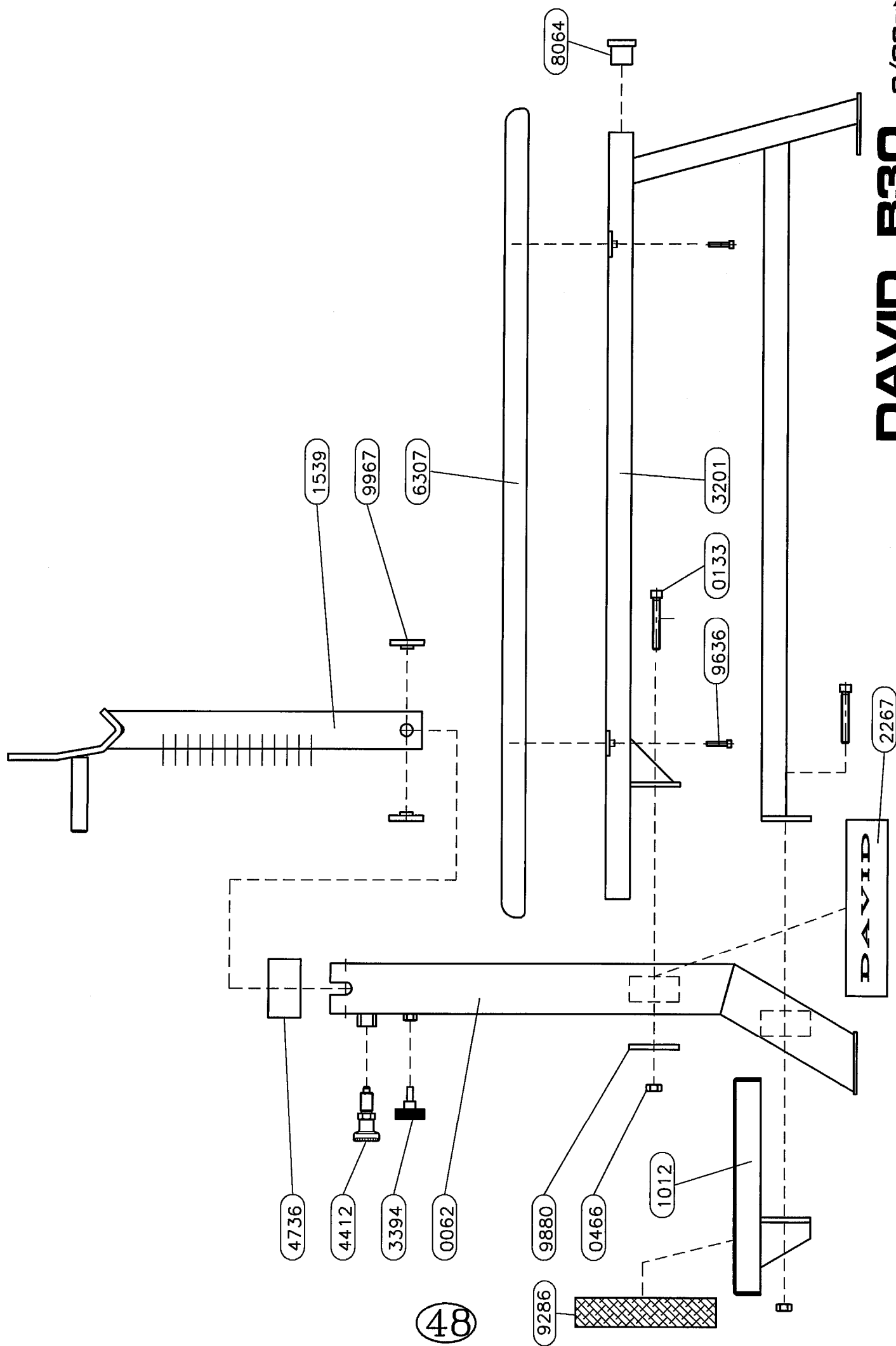
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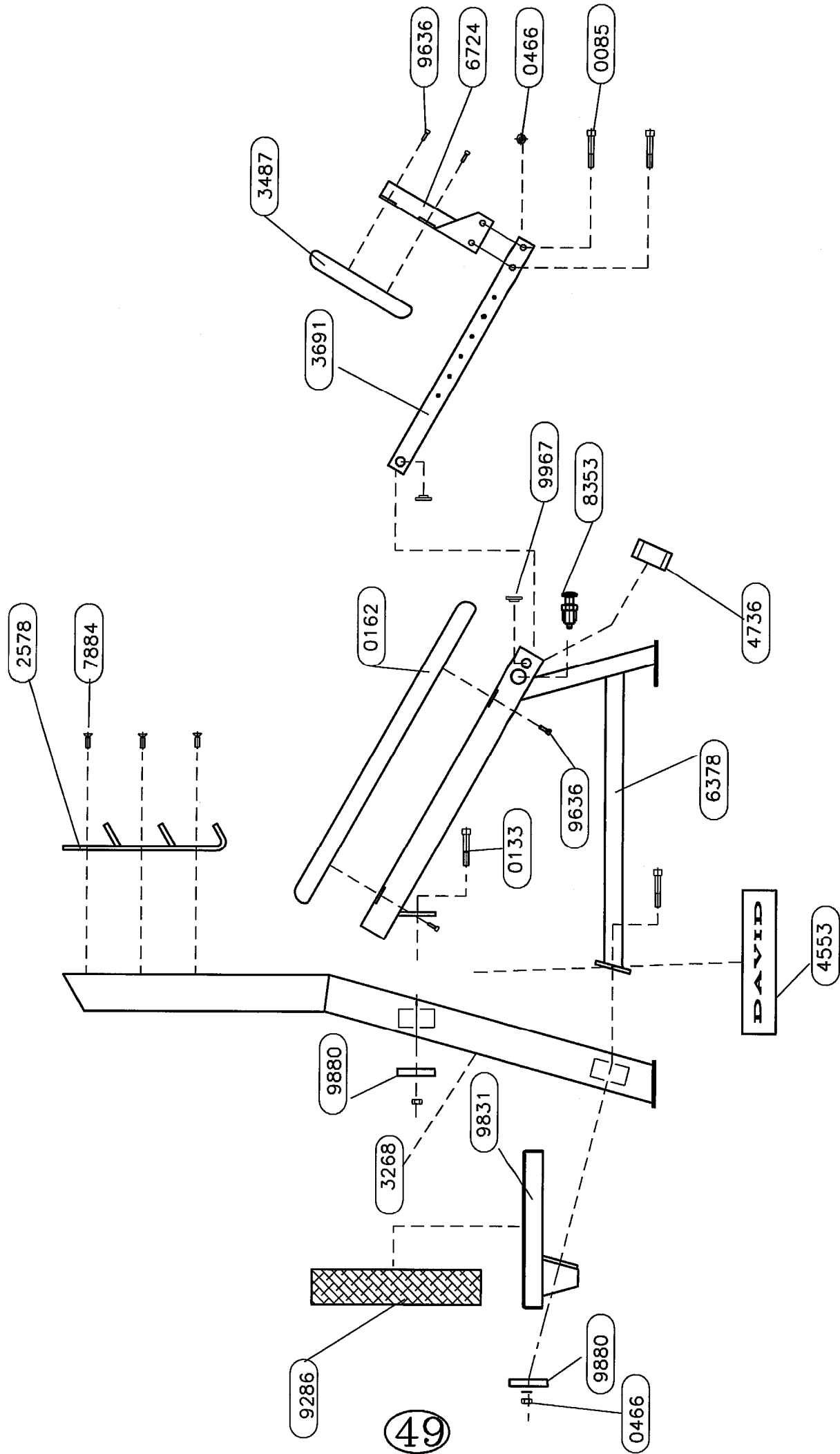
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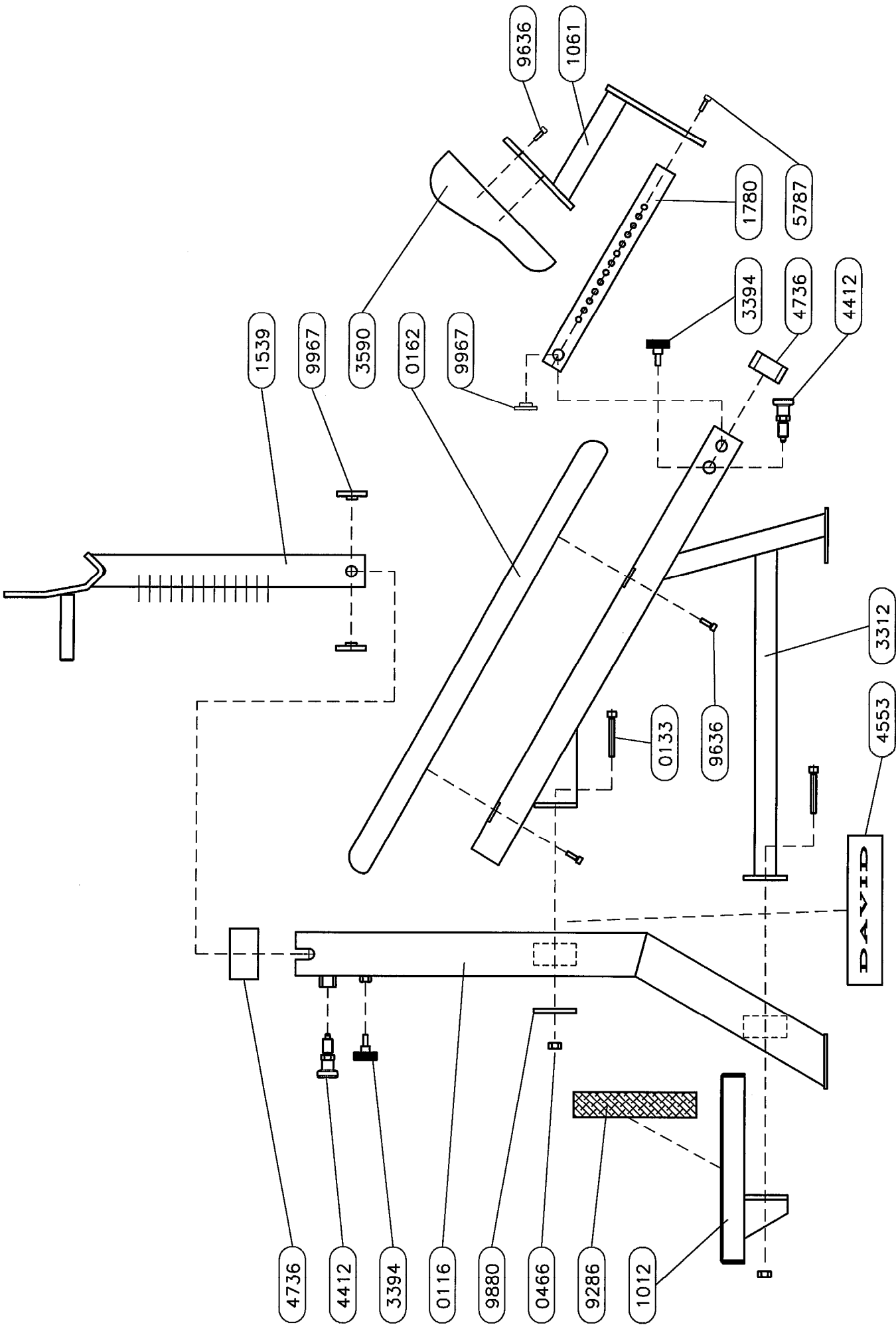


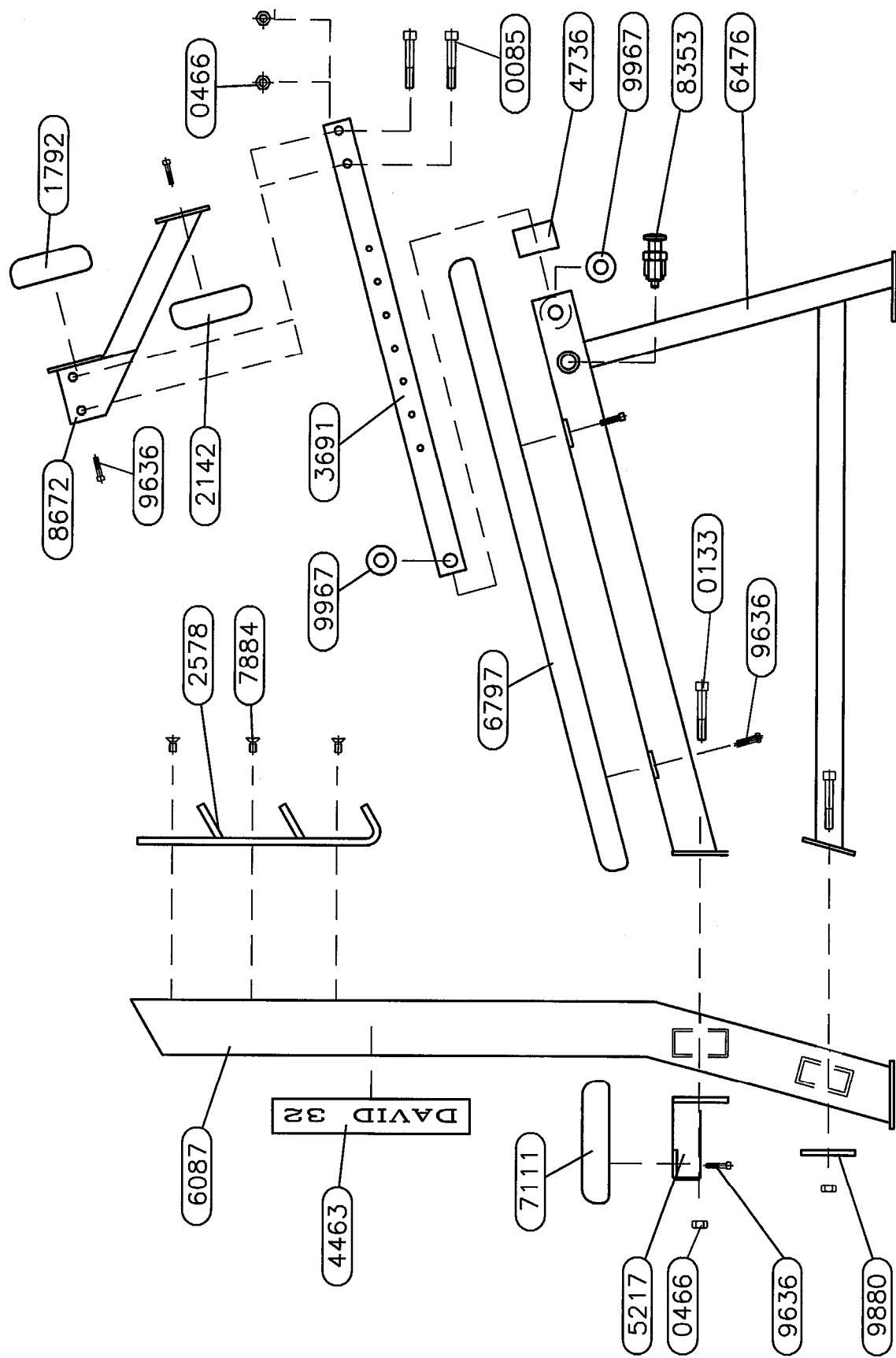


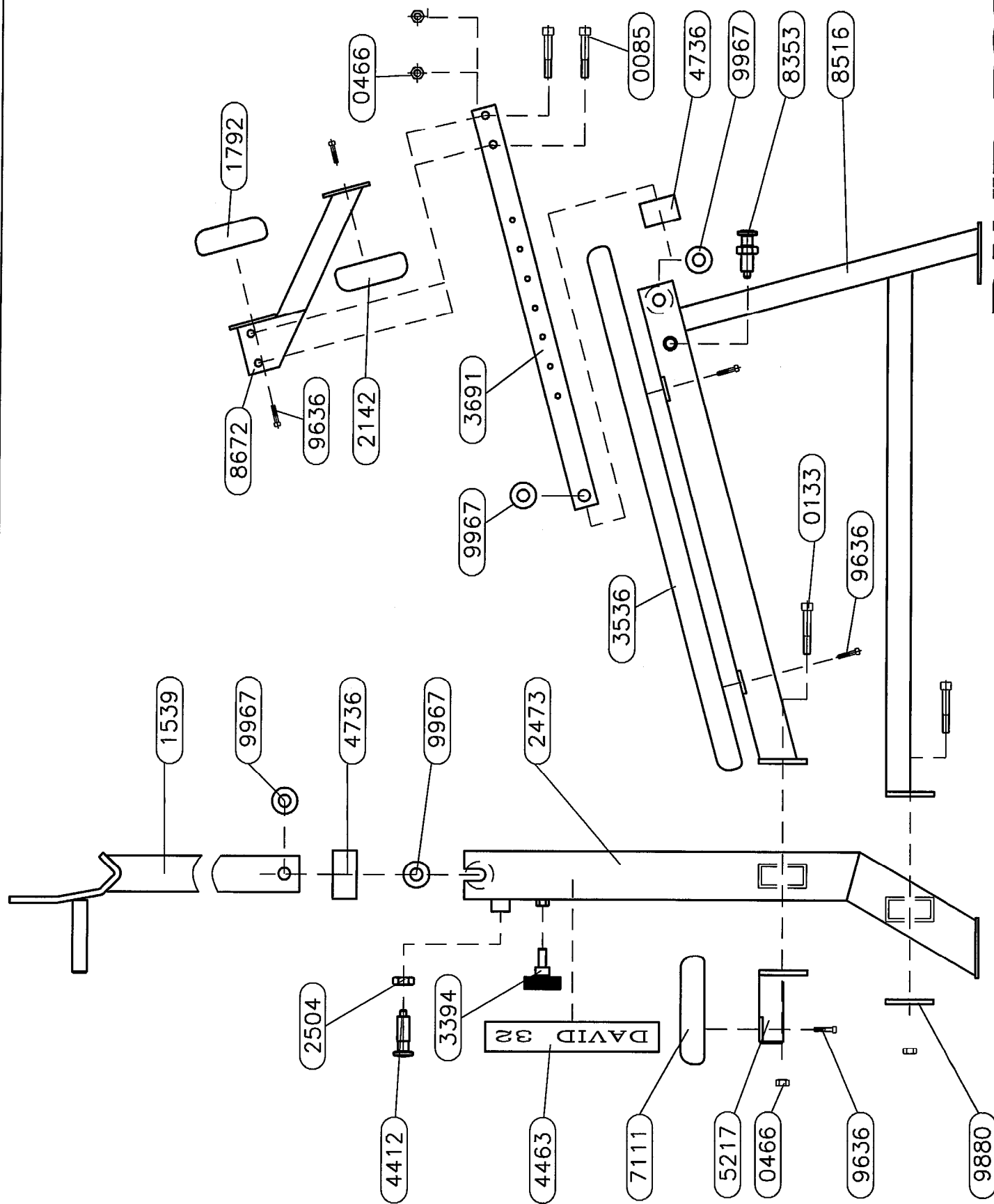
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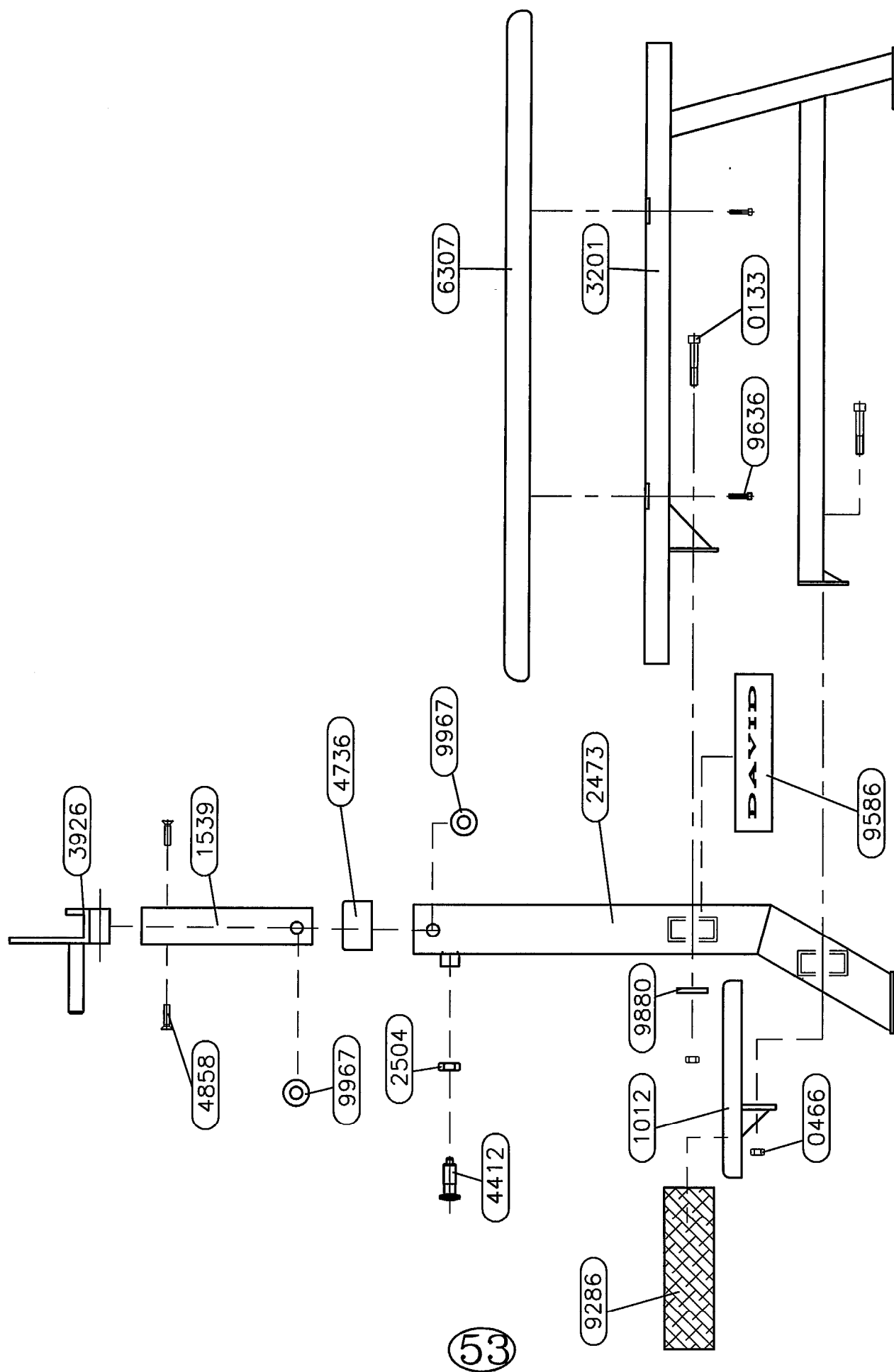




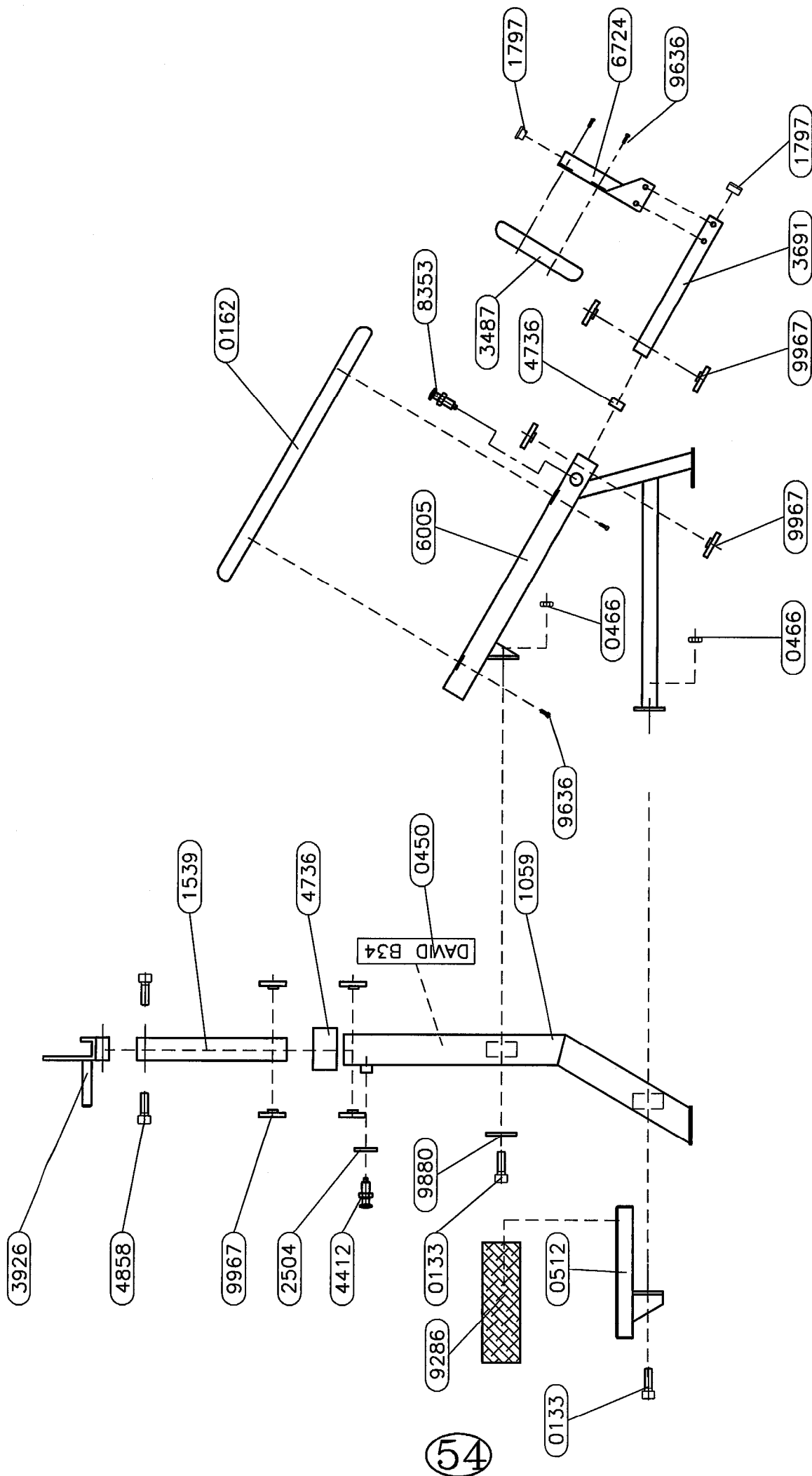




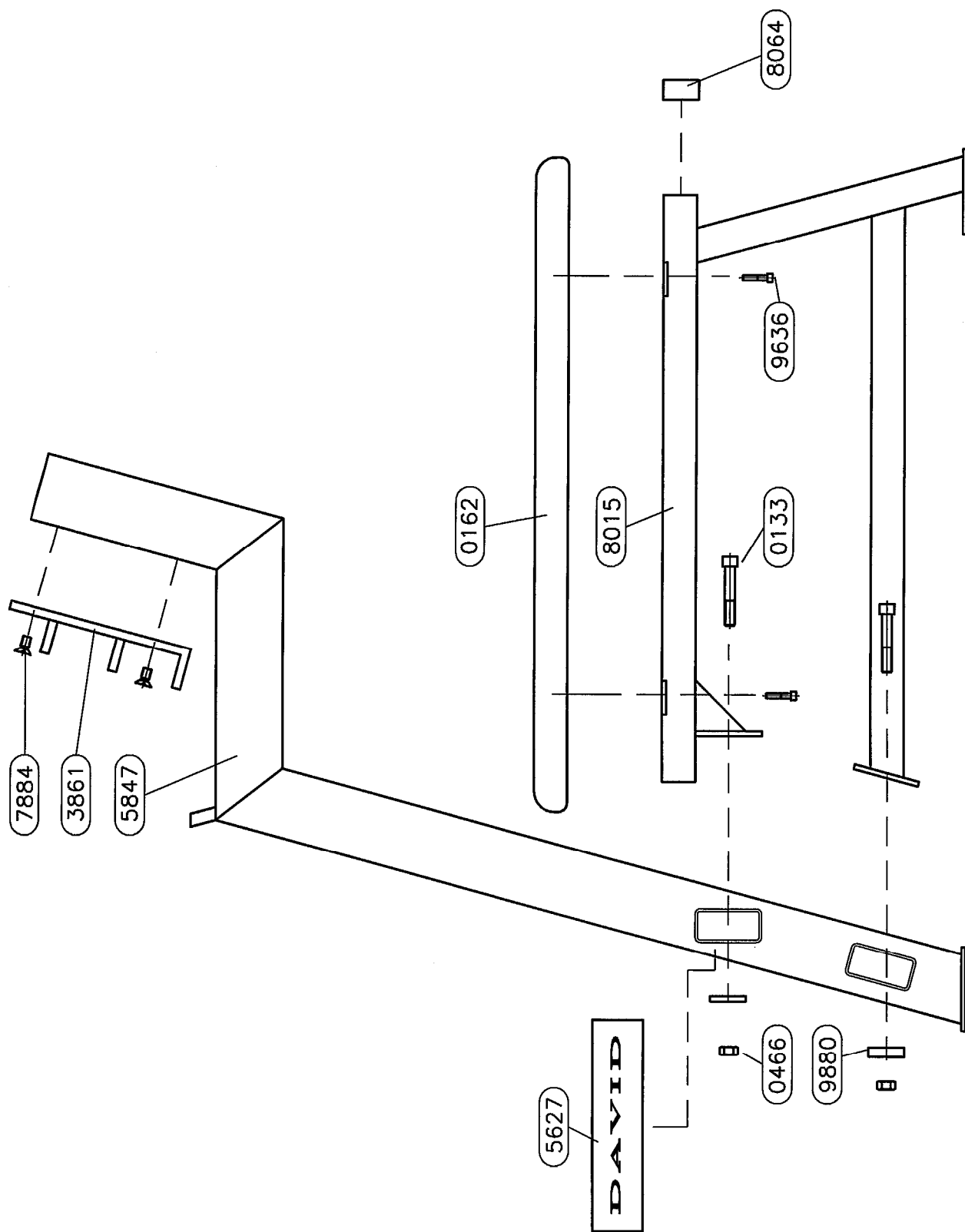




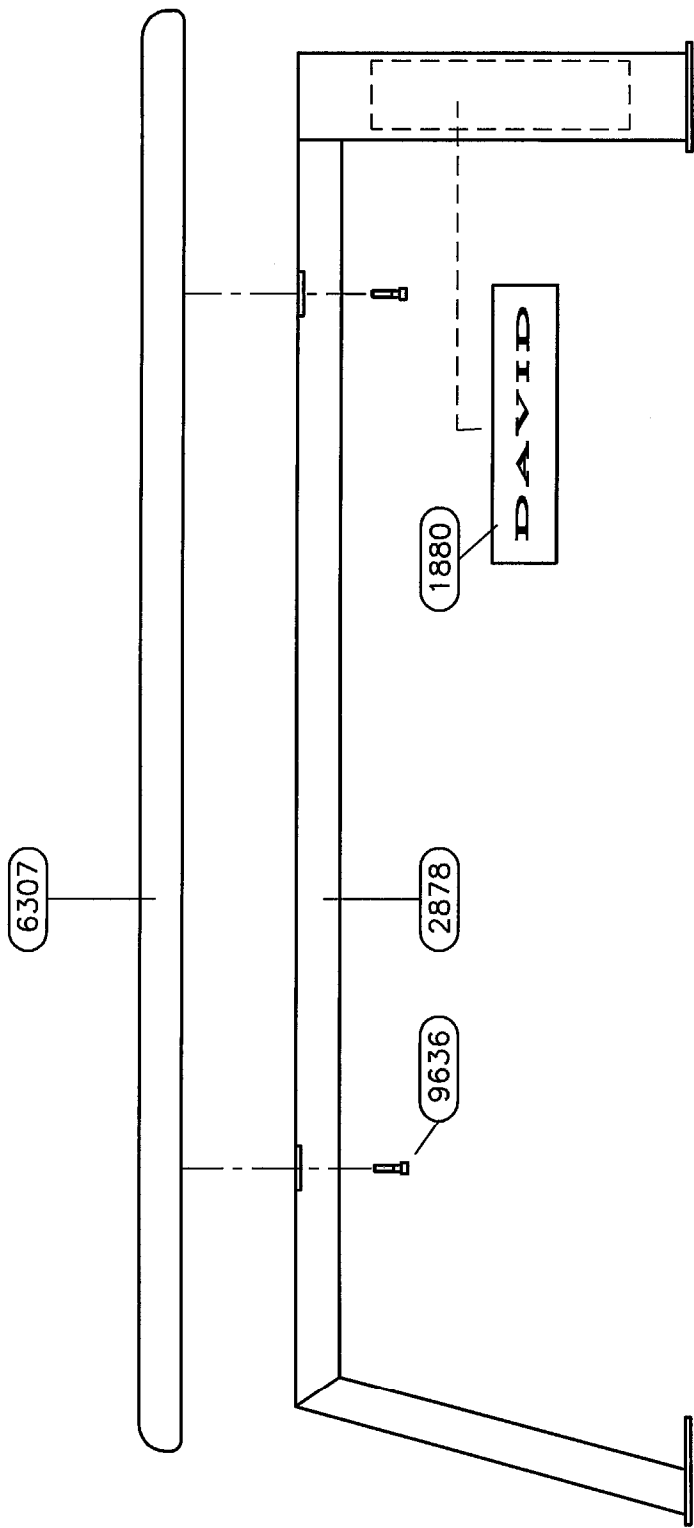
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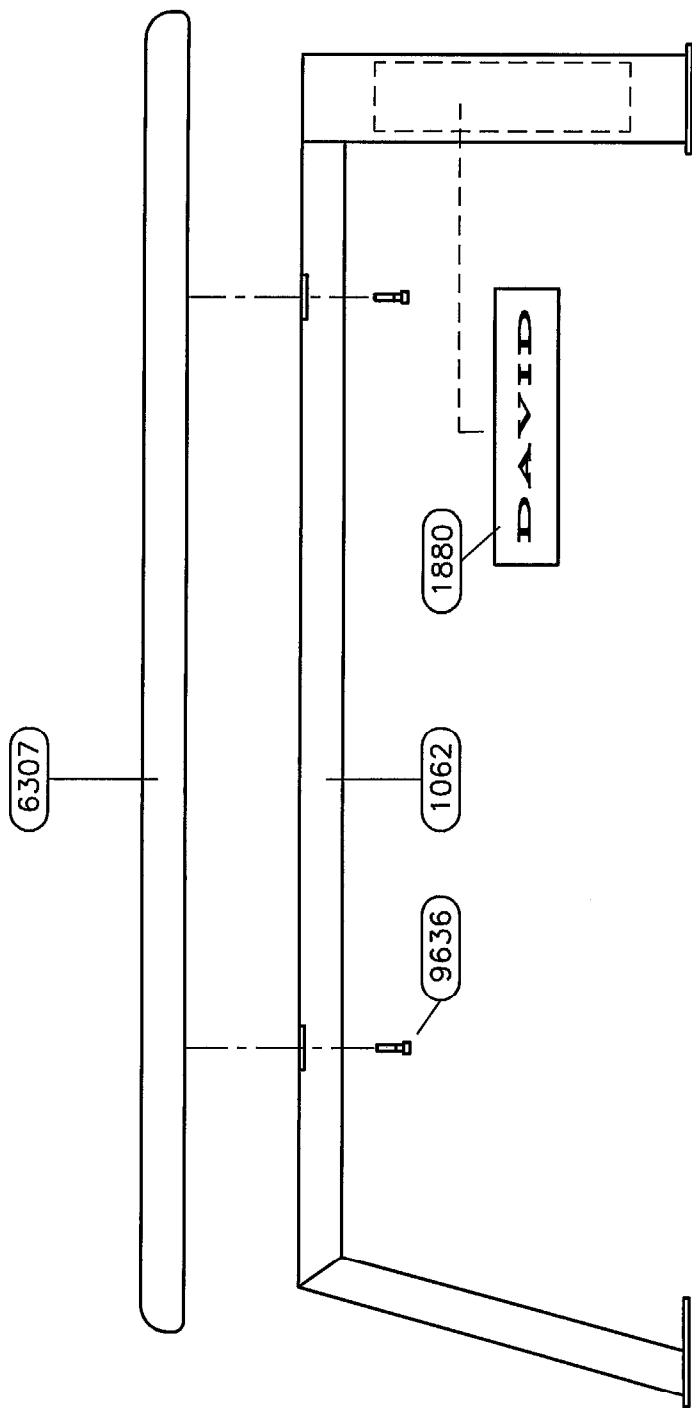


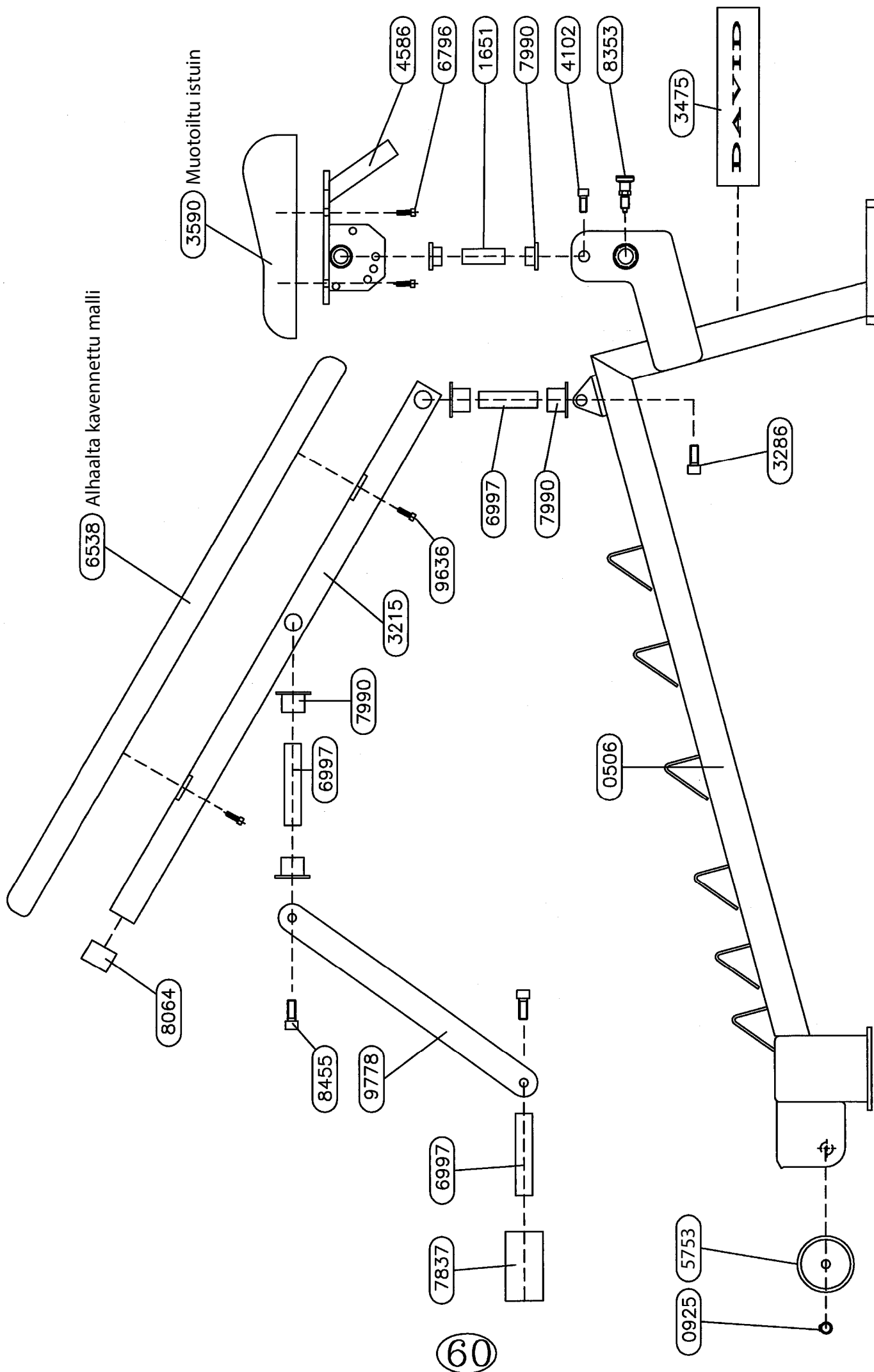
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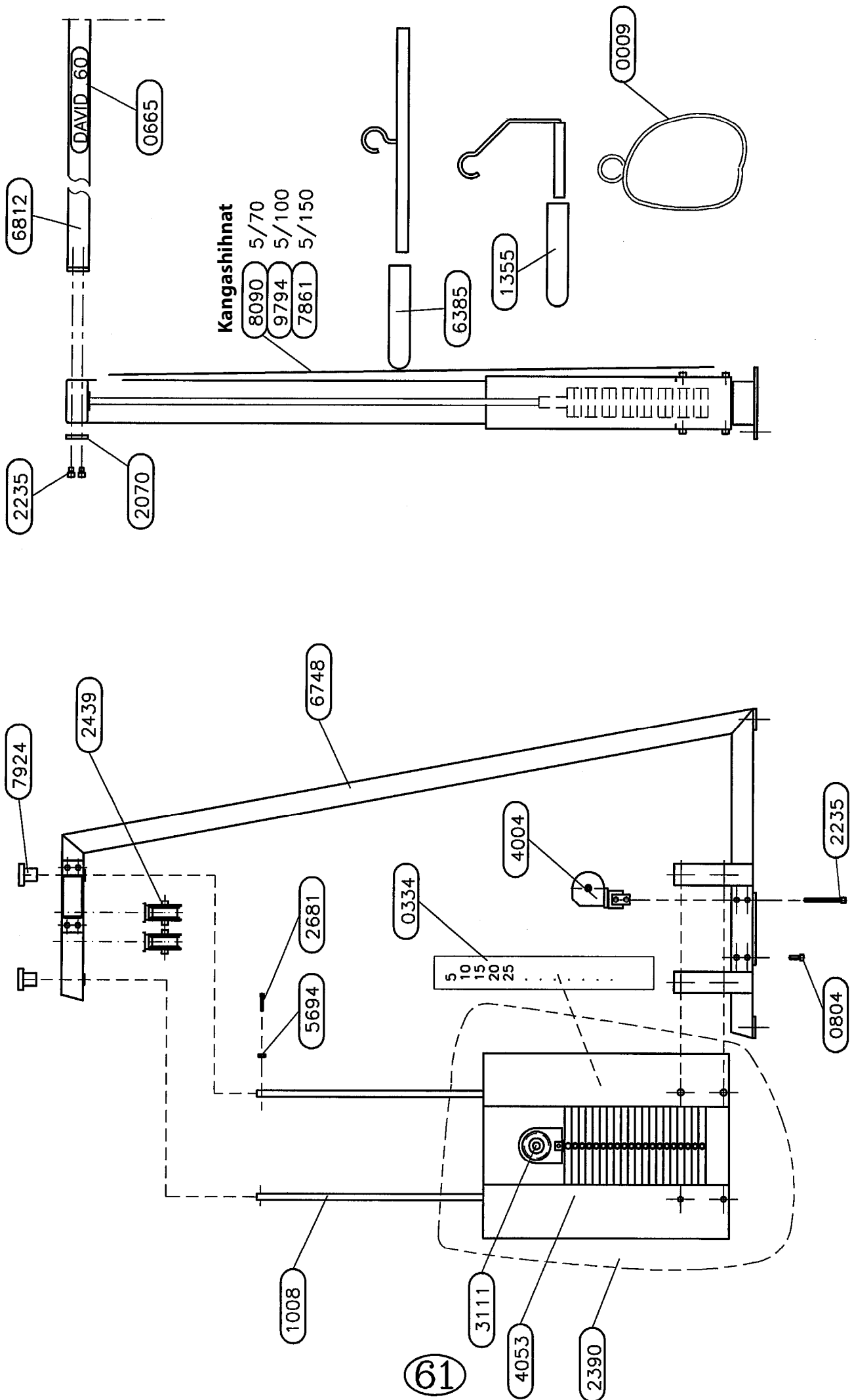


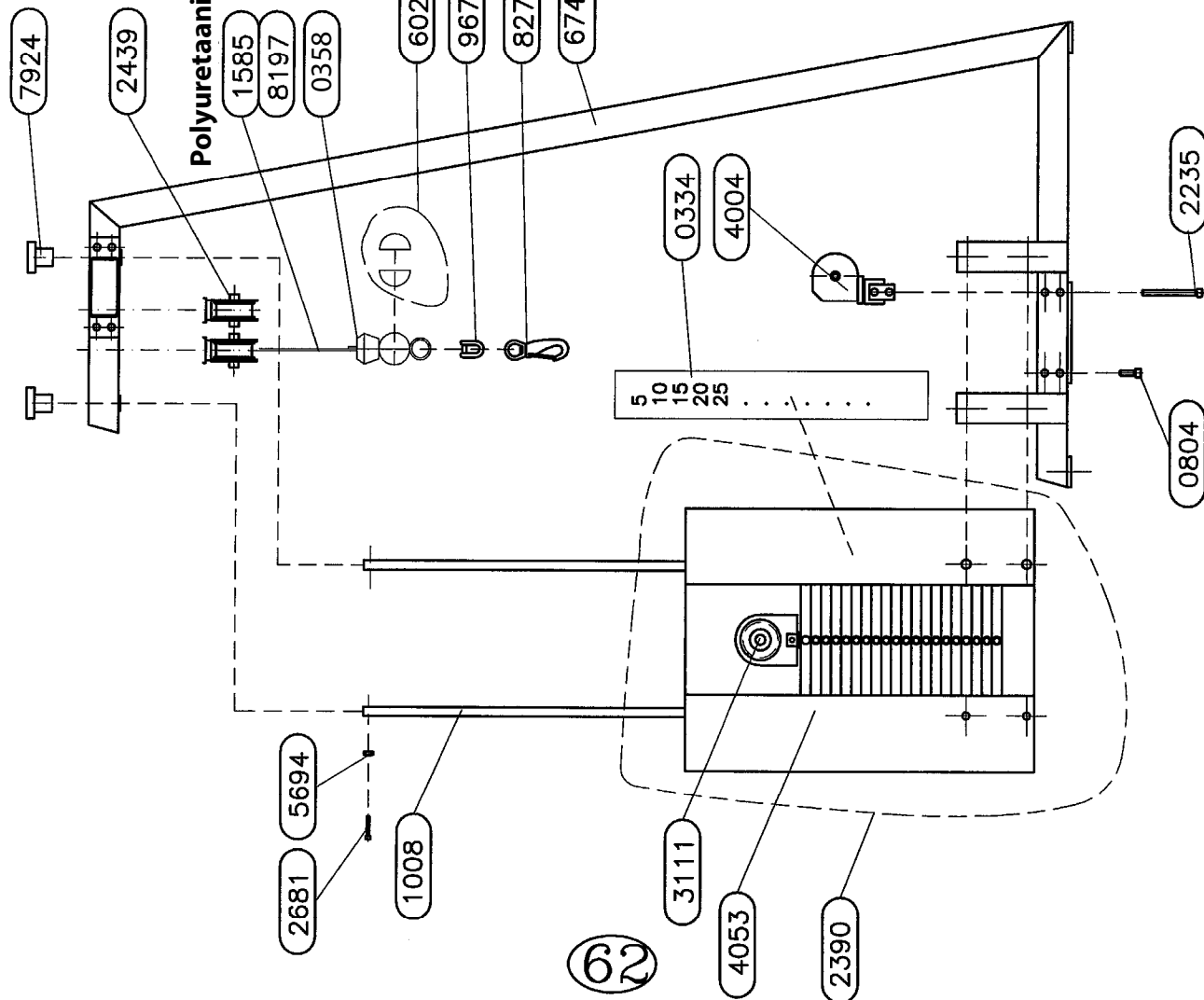
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Kiinteä

Kääntyvä

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6017 Kupera pyörä kangashihnalle

8833 Kovera pyörä polyuretaanihihnalle

5468

Kupera pyörä kangashihnalle

2314

Kovera pyörä polyuretaanihihnalle

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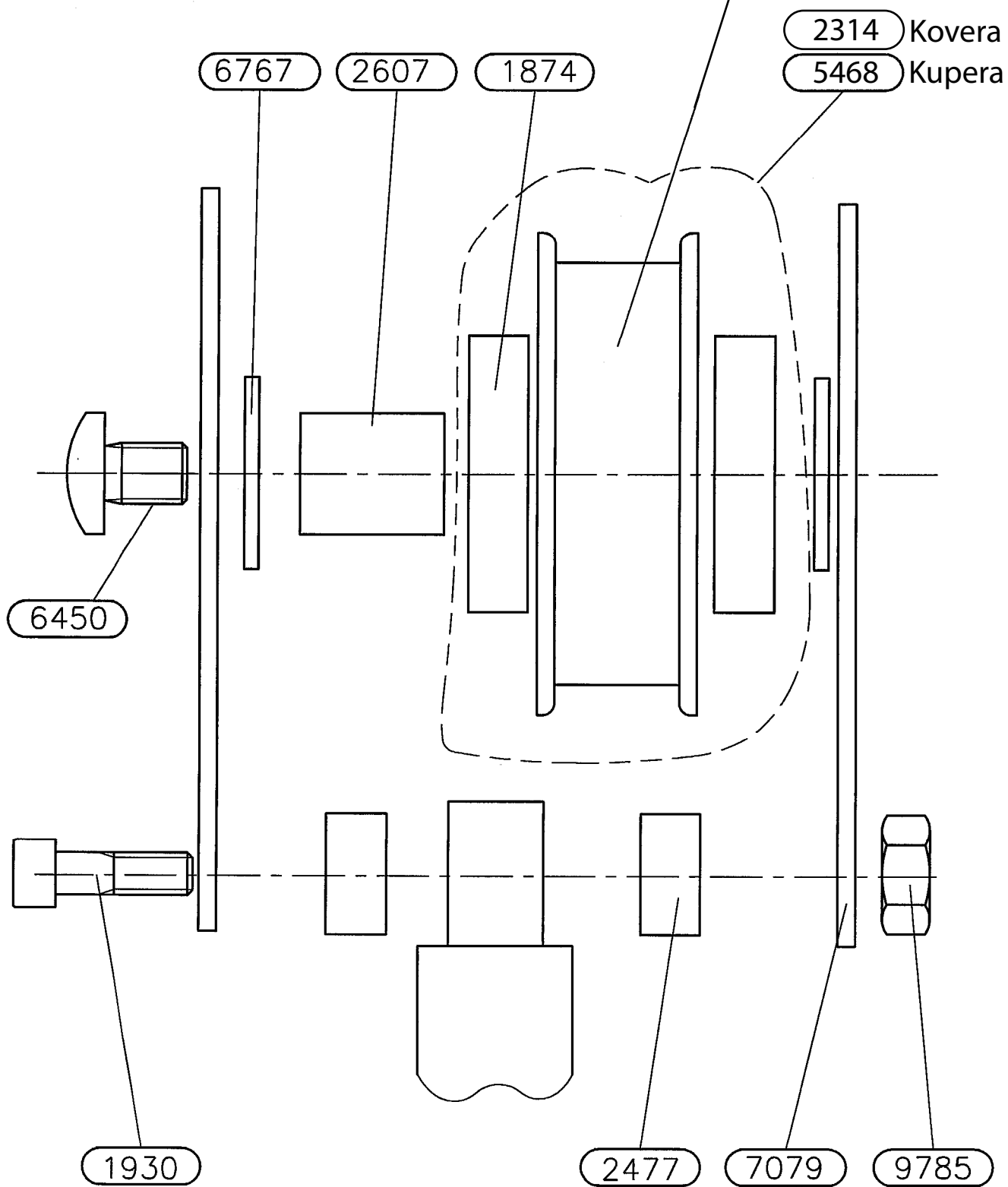
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Kovera pyörä kangashihnalle 8833
 Kupera pyörä polyuretaanihihnalle 6017



Kupera pyörä polyuretaanihihnalle
Kovera pyörä kangashihnalle

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Kupera

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Kovera

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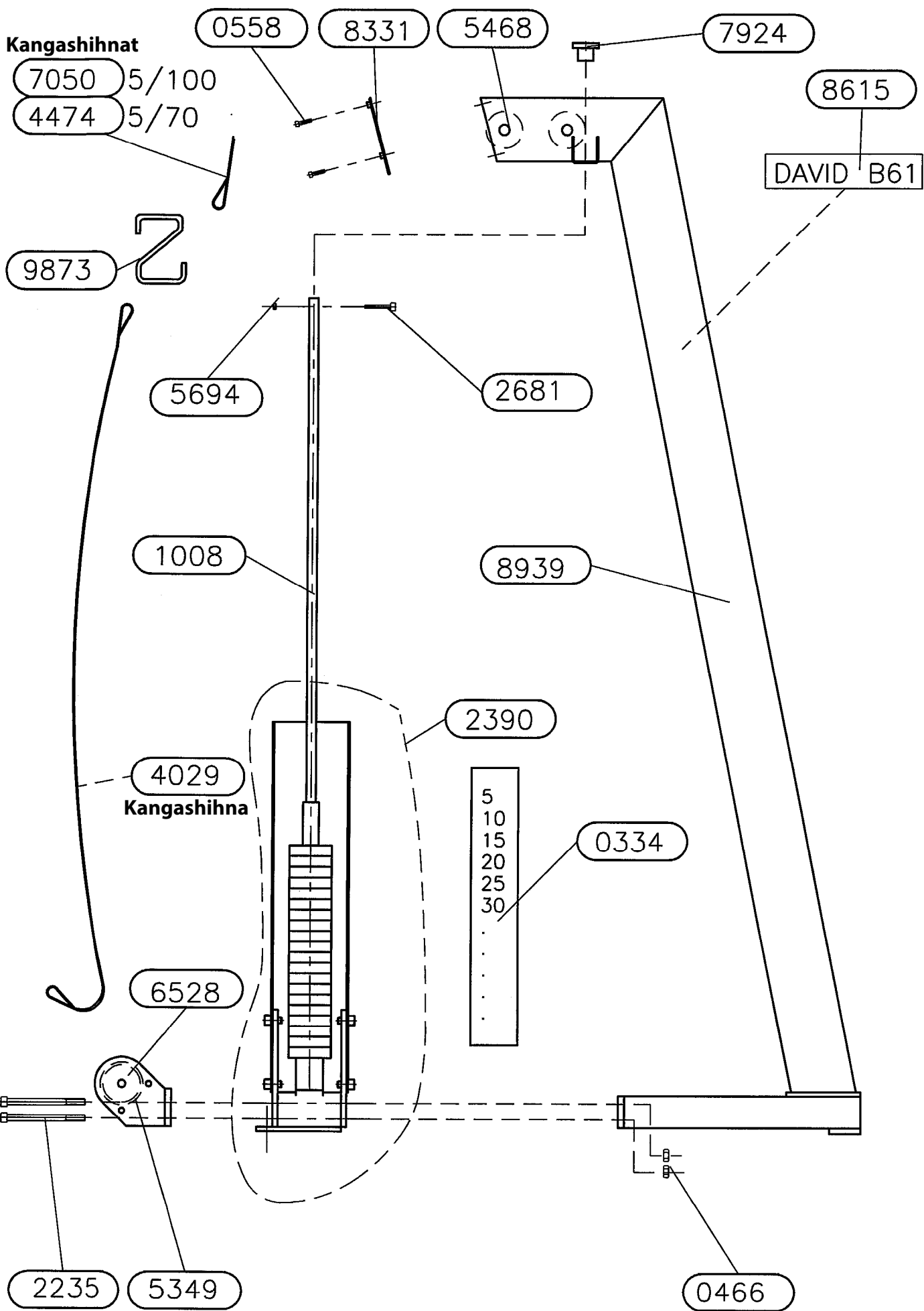
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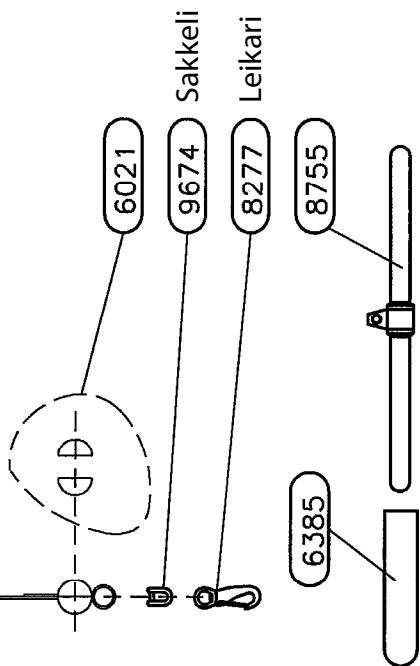
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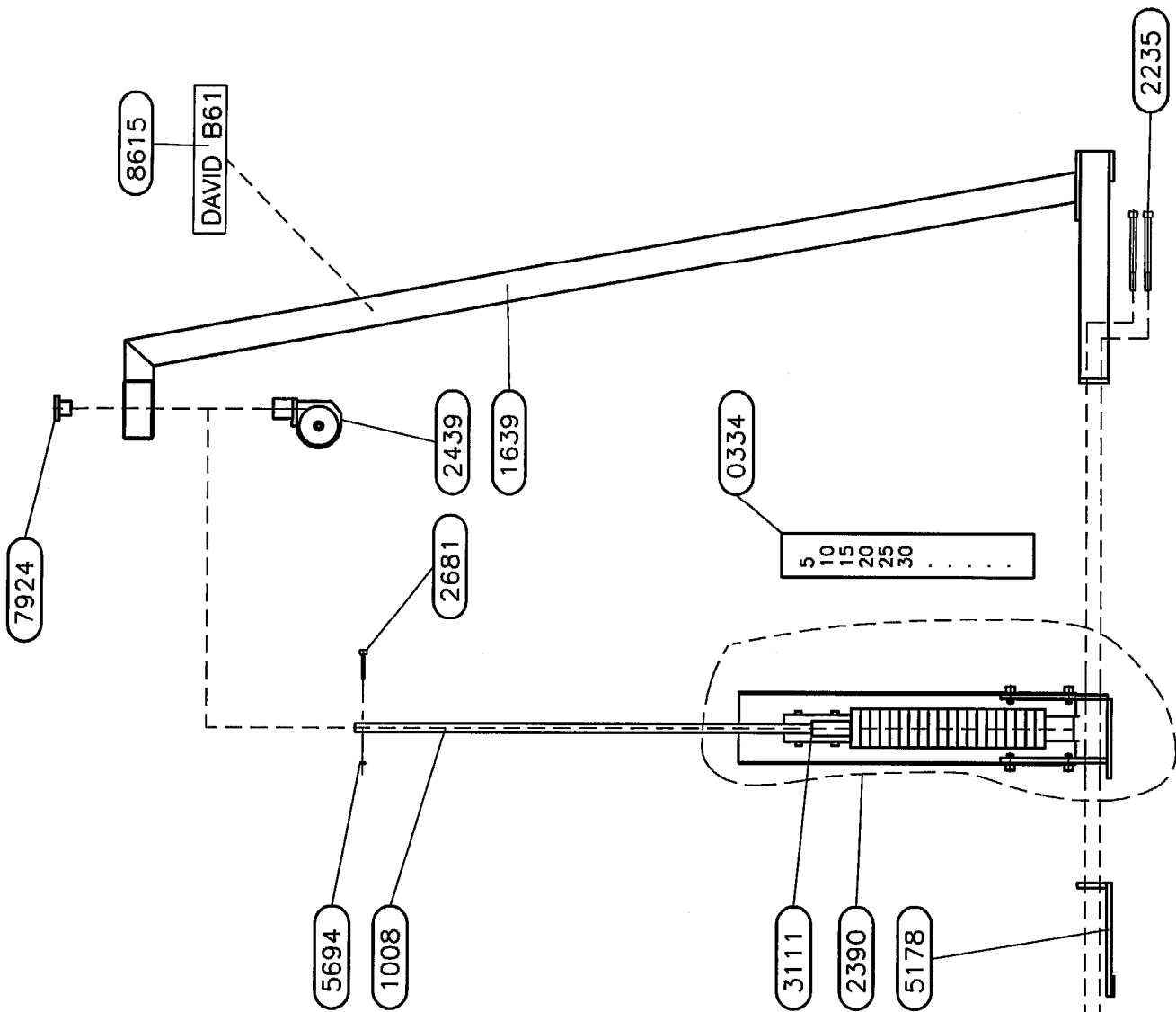


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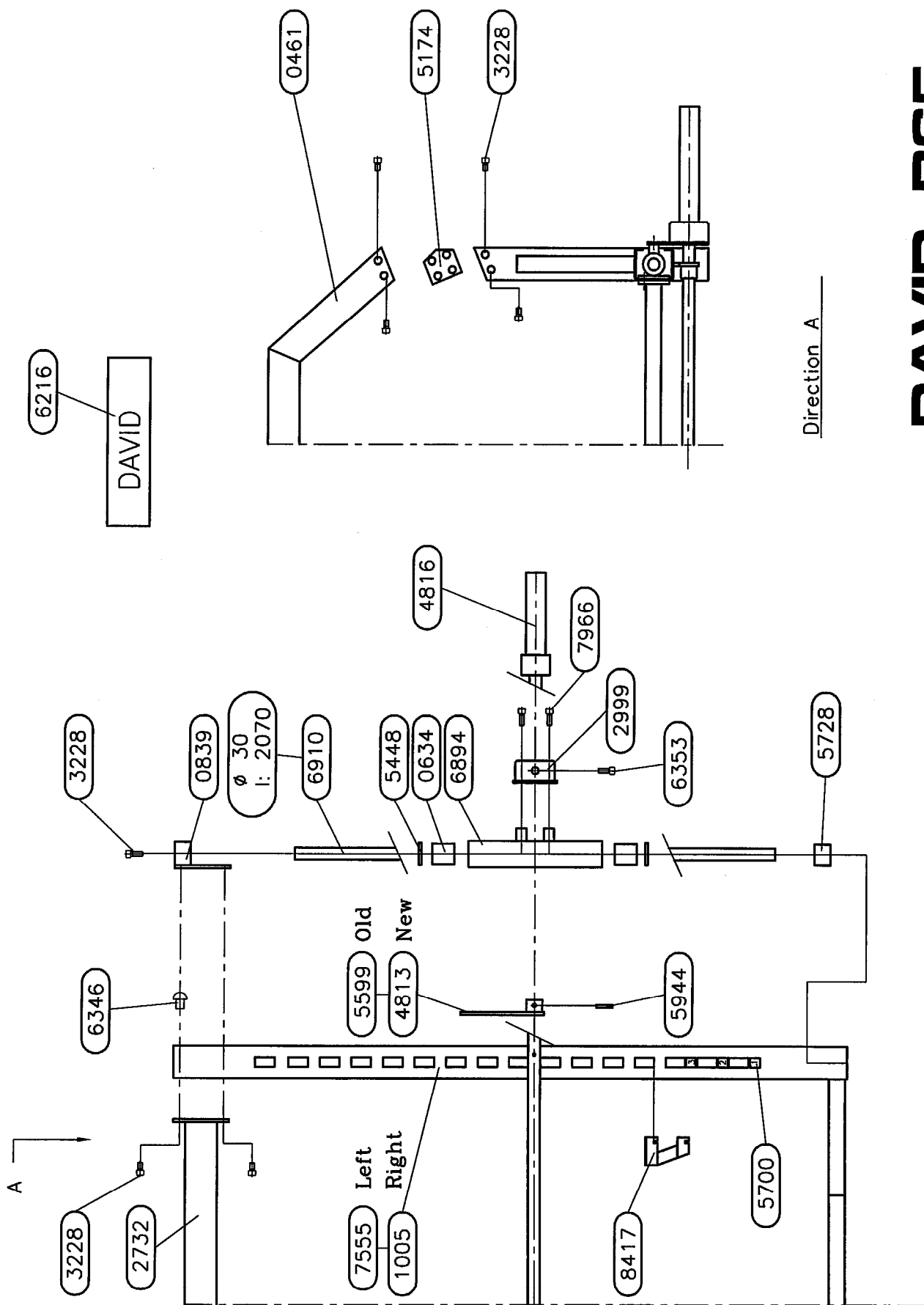
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2095 5/70

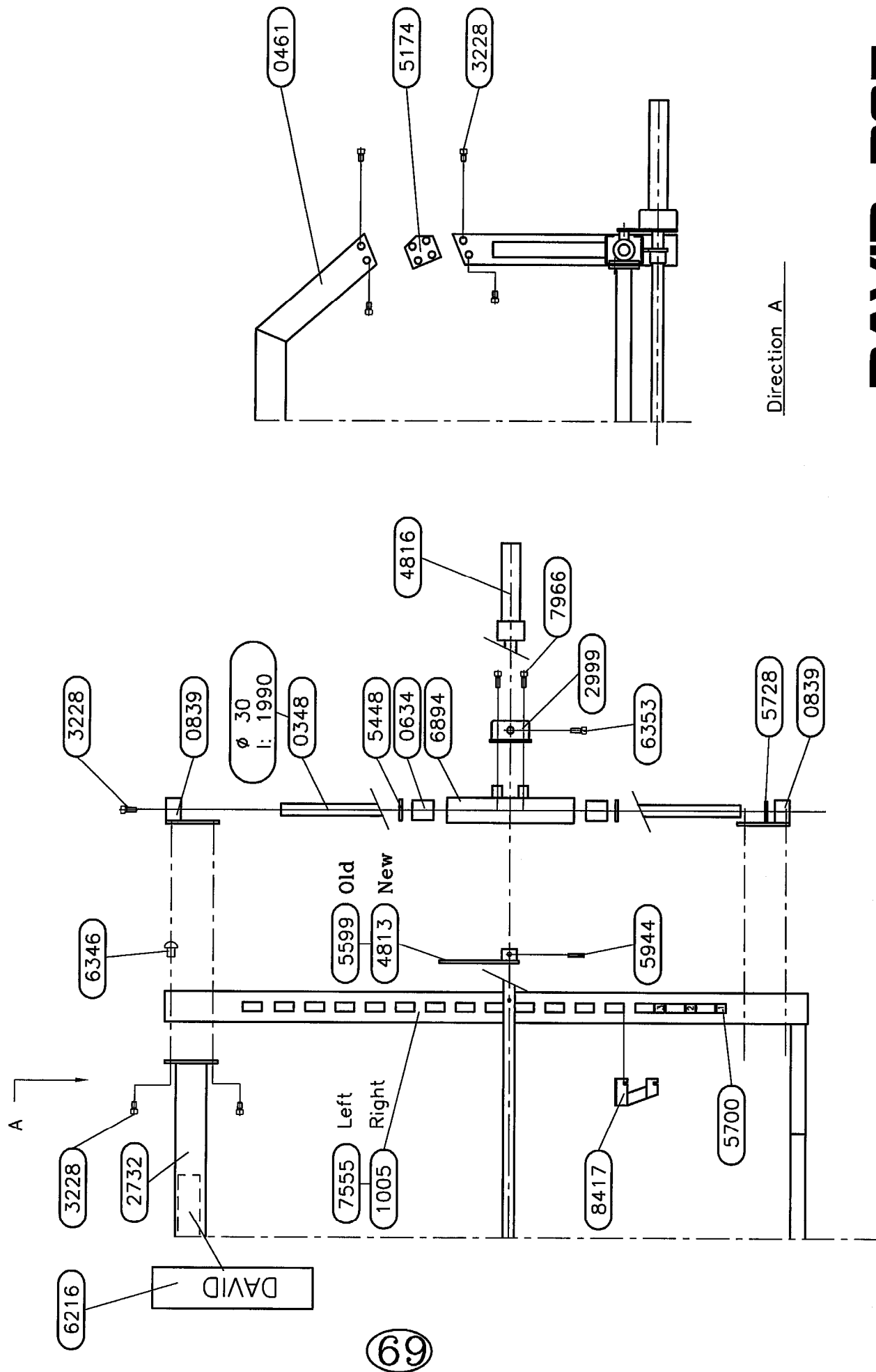


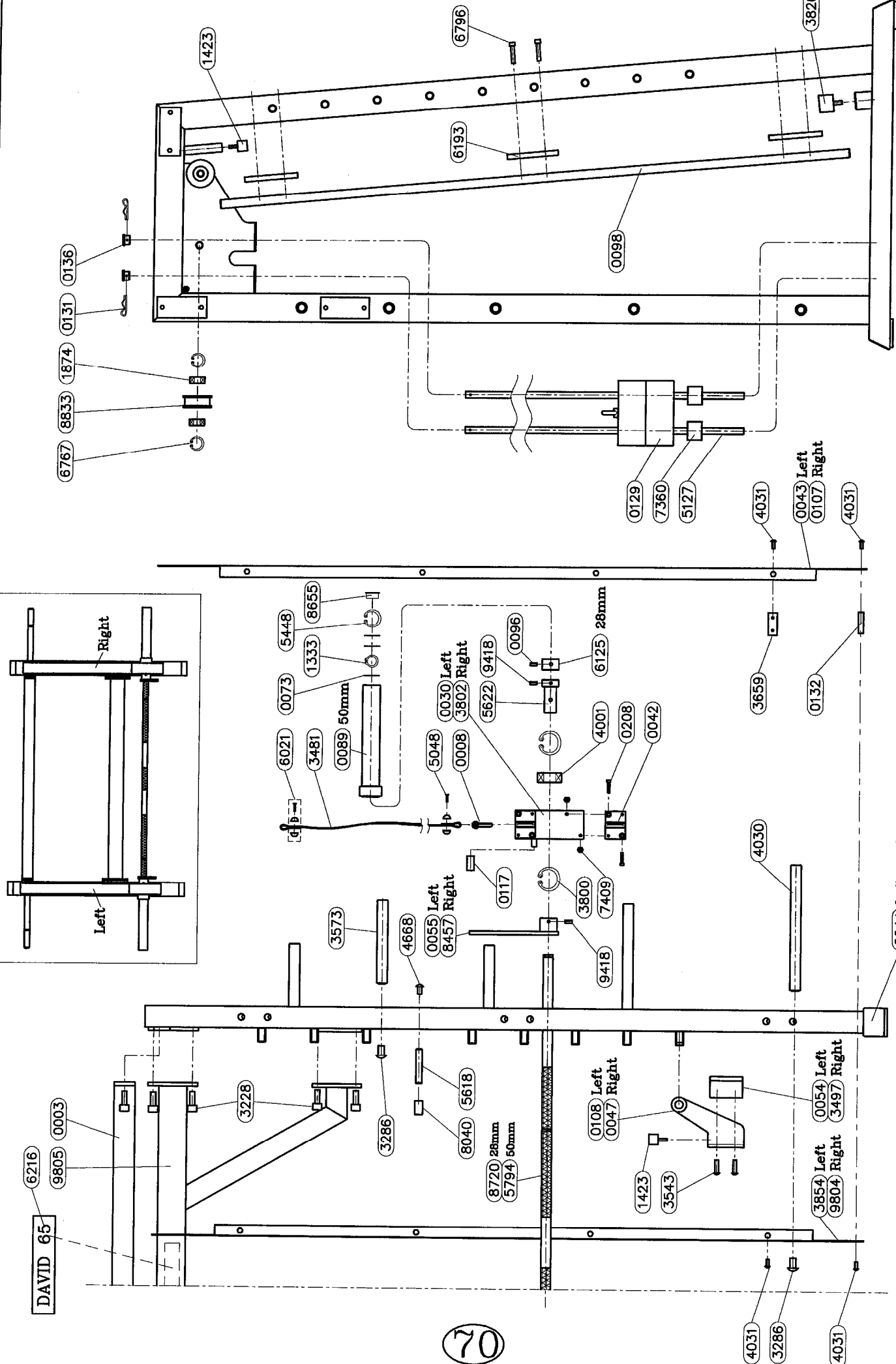
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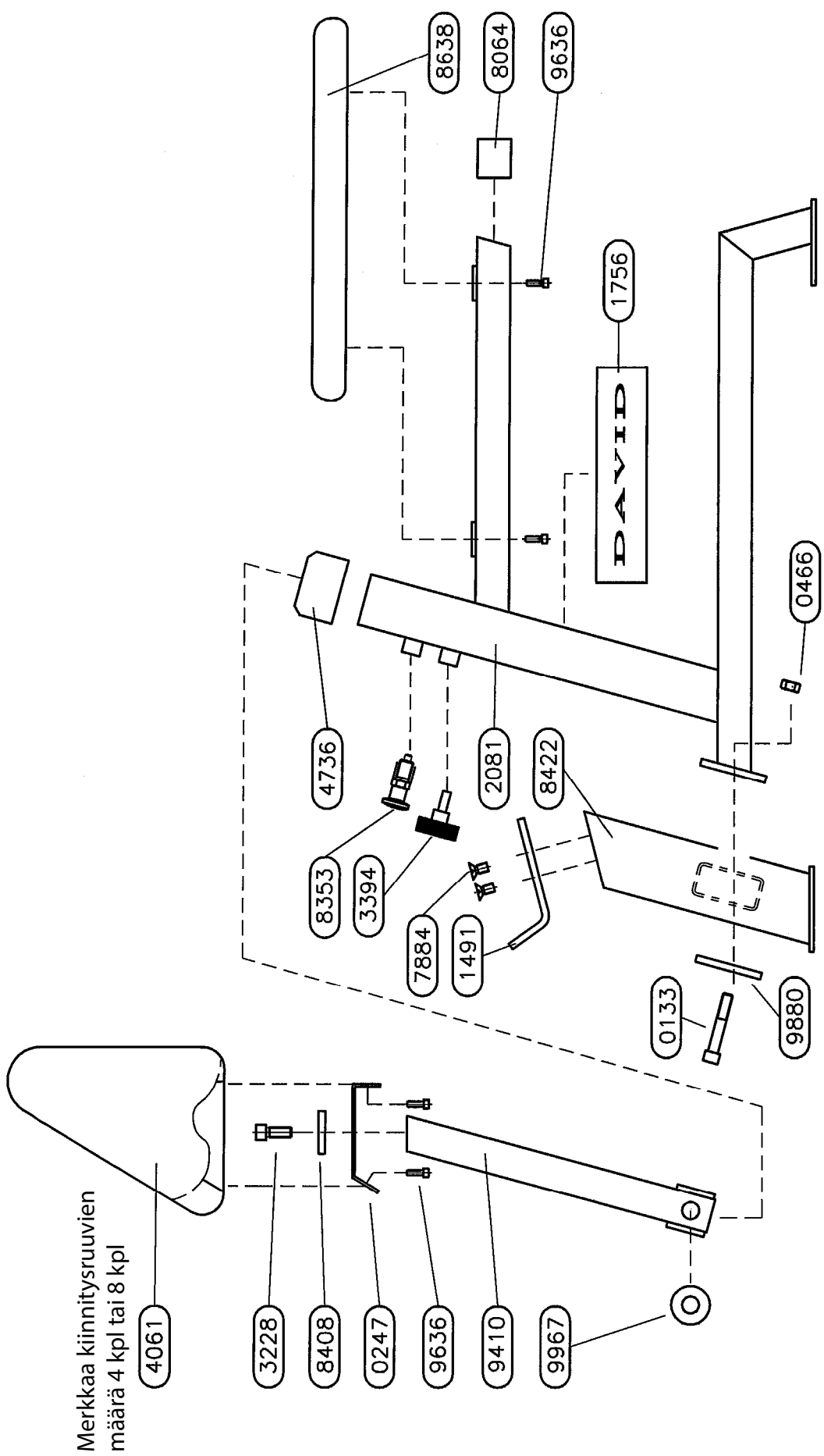
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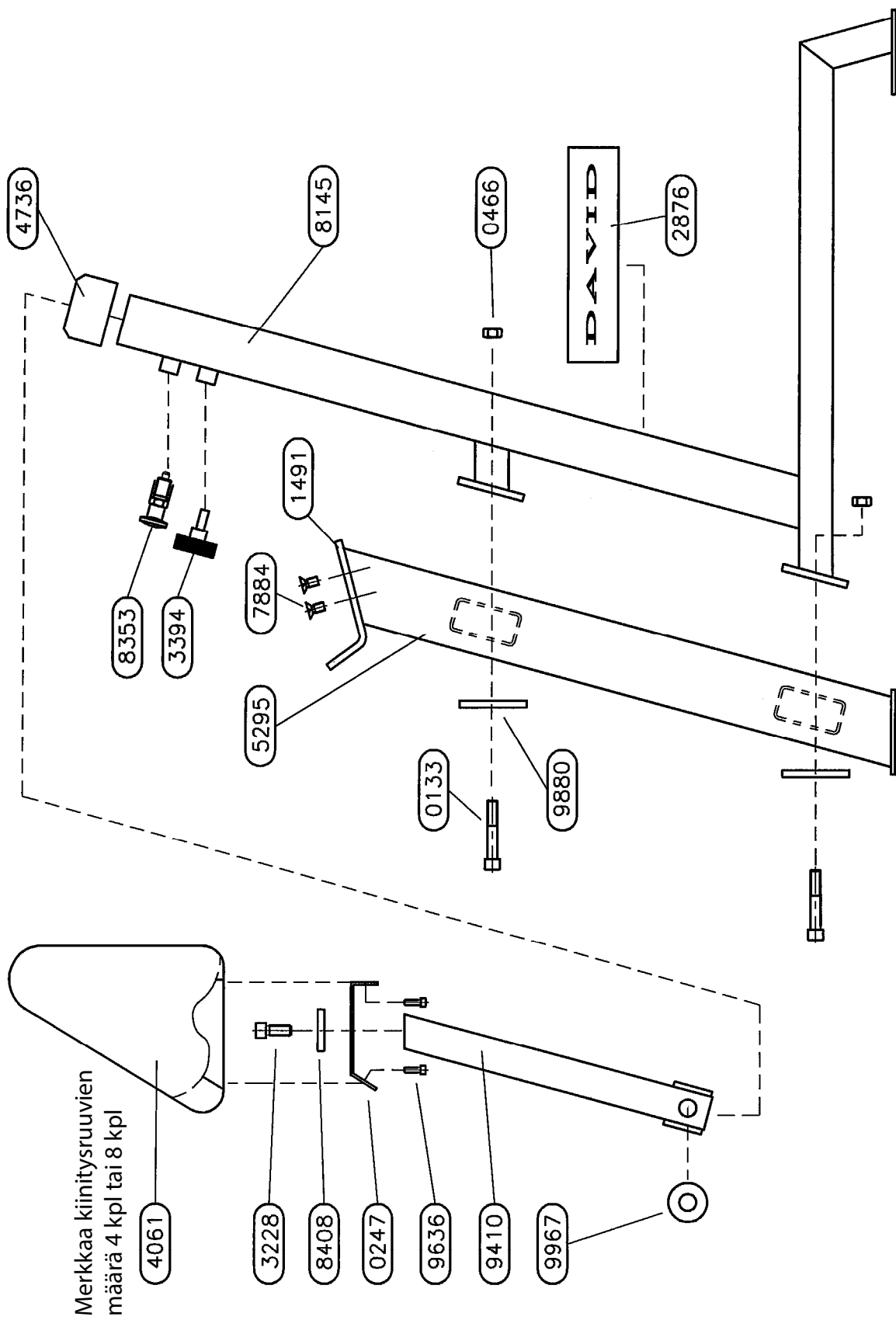


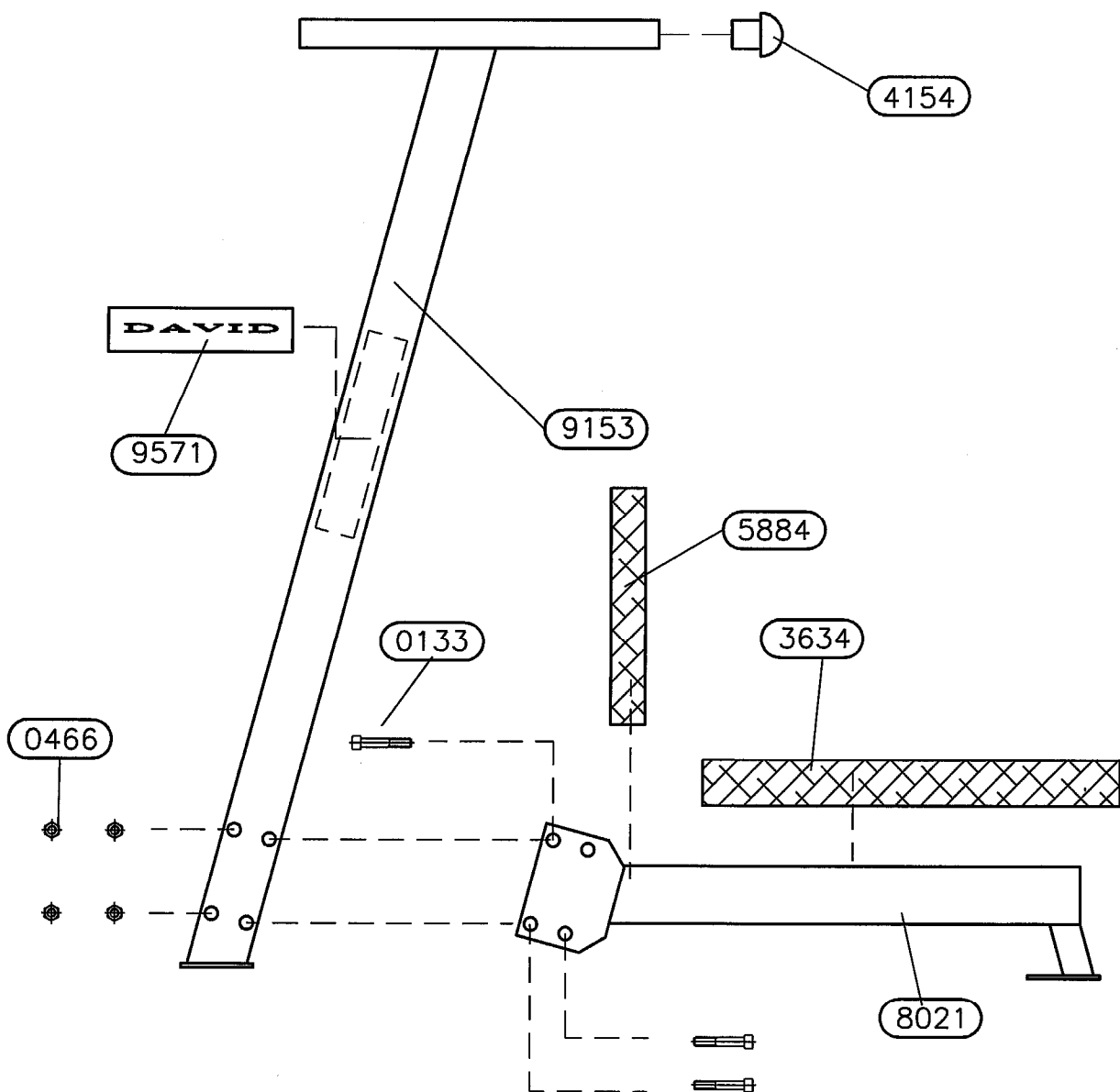


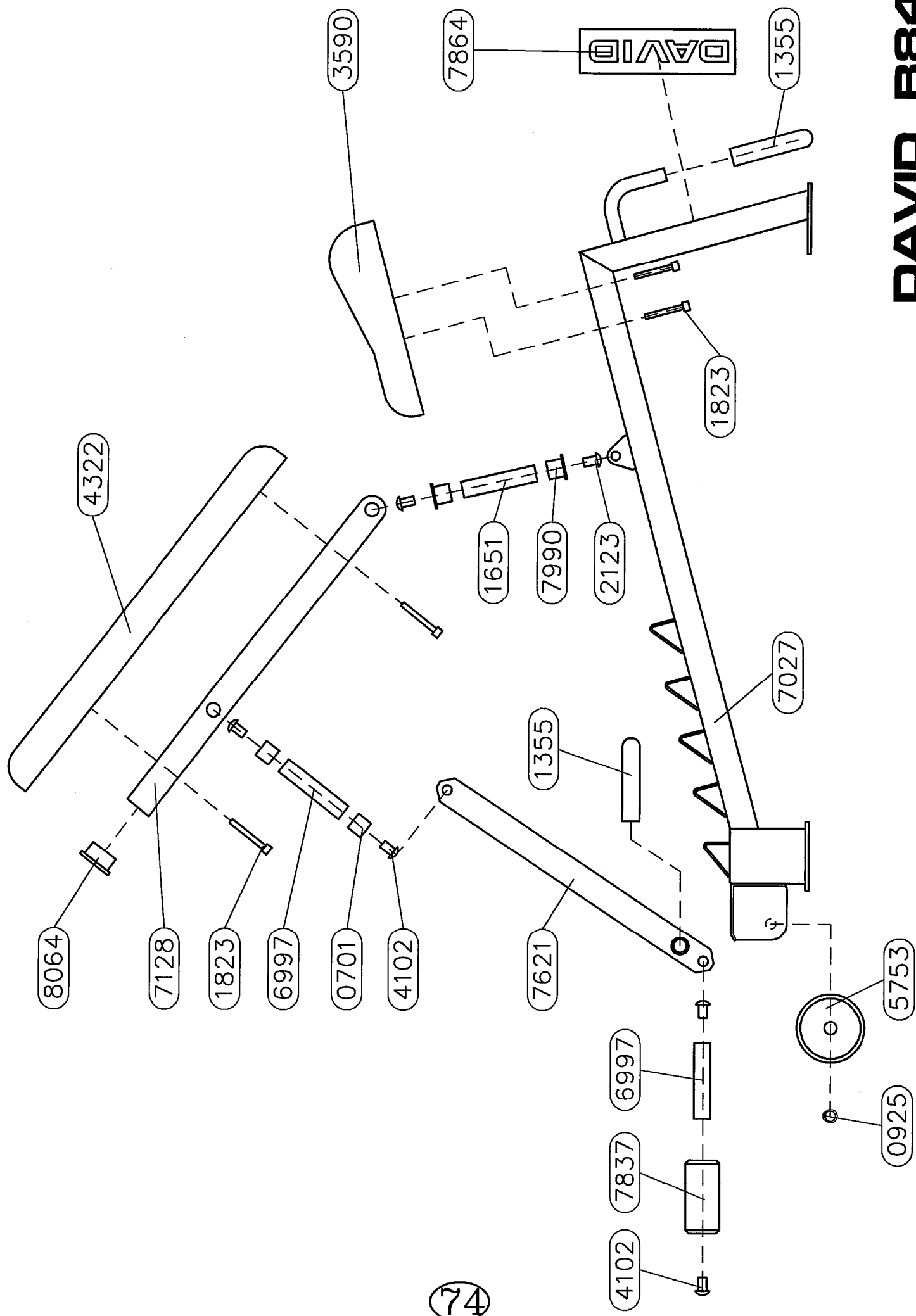
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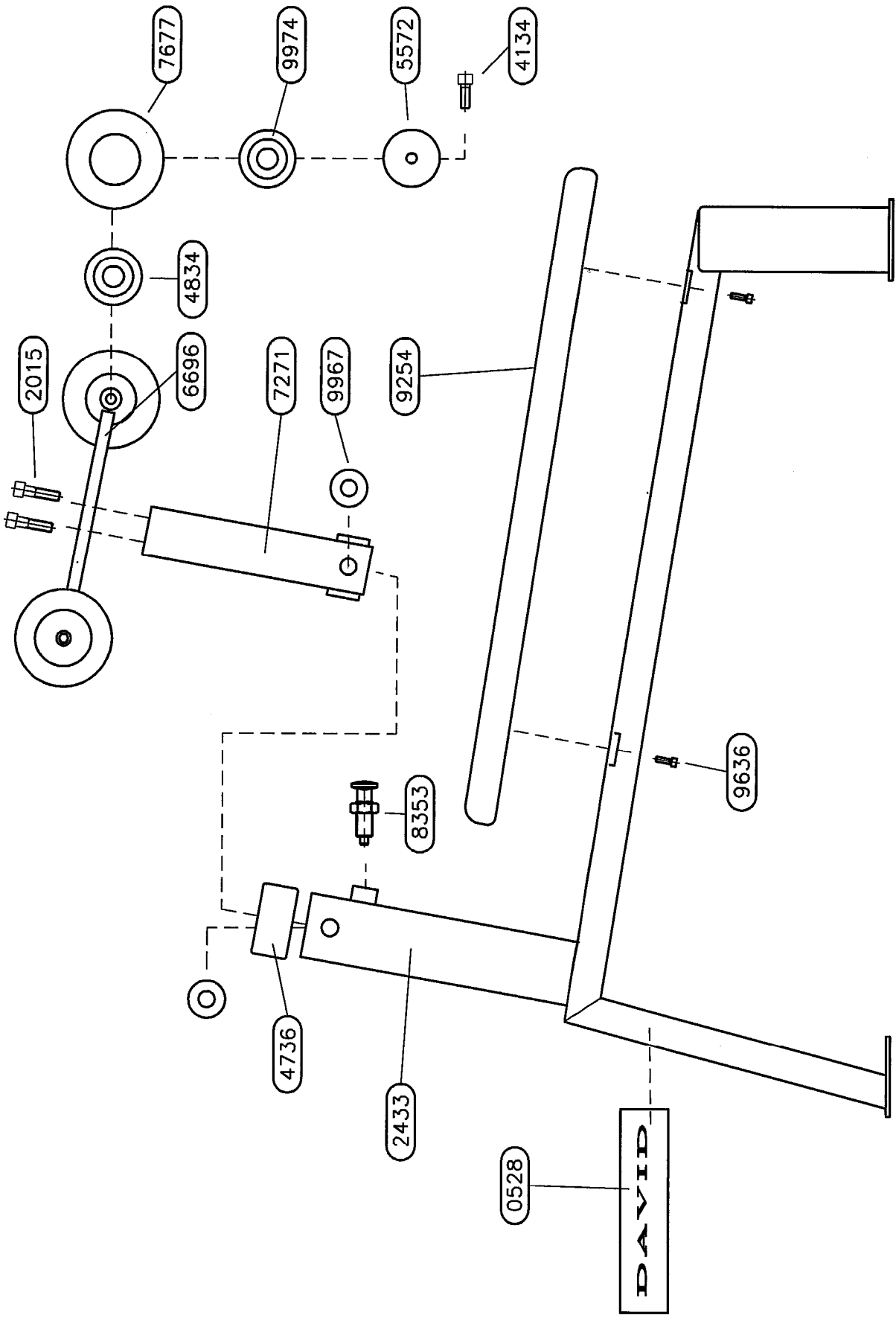


Merkkaa kiinnitysruuvien
määrä 4 kpl tai 8 kpl

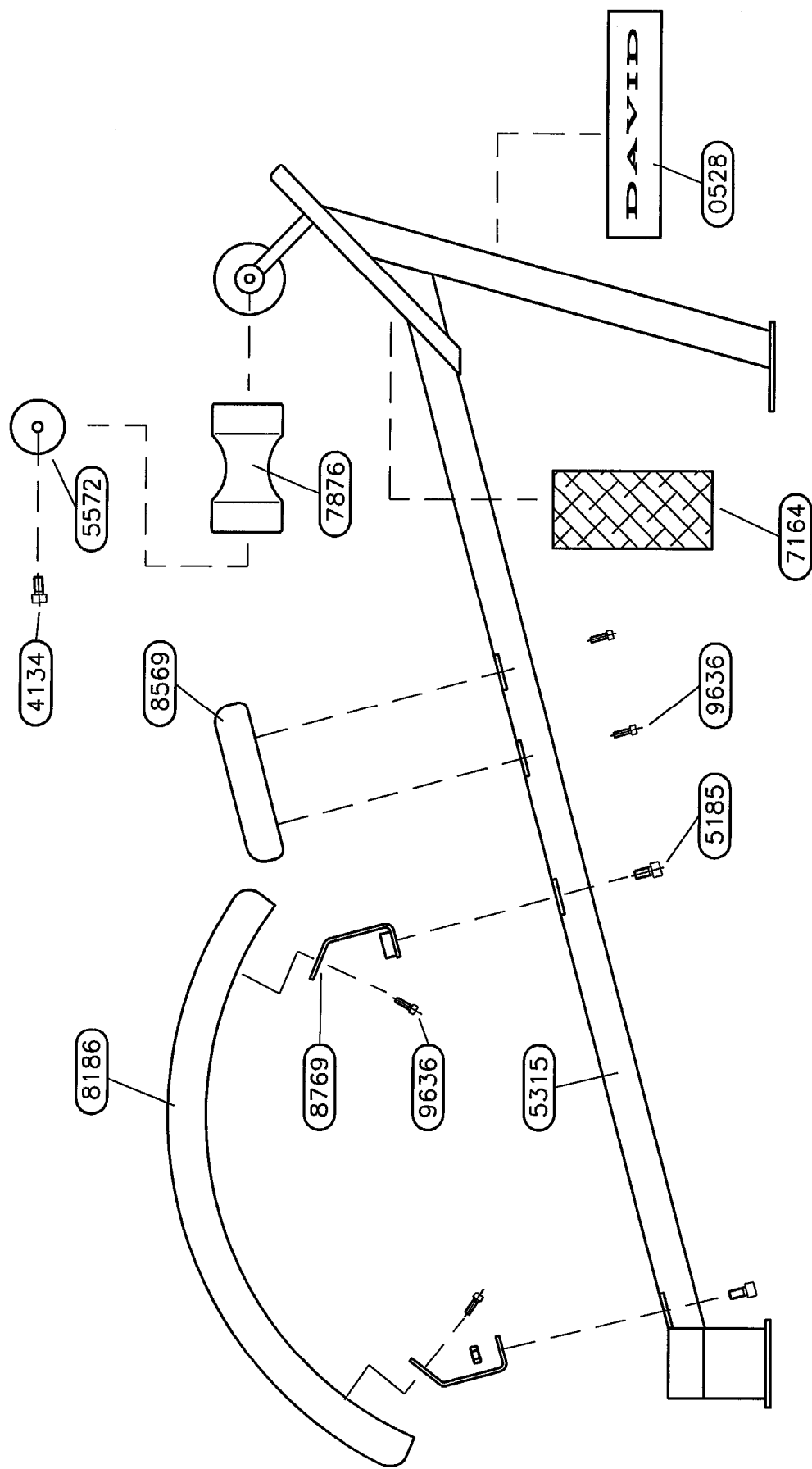


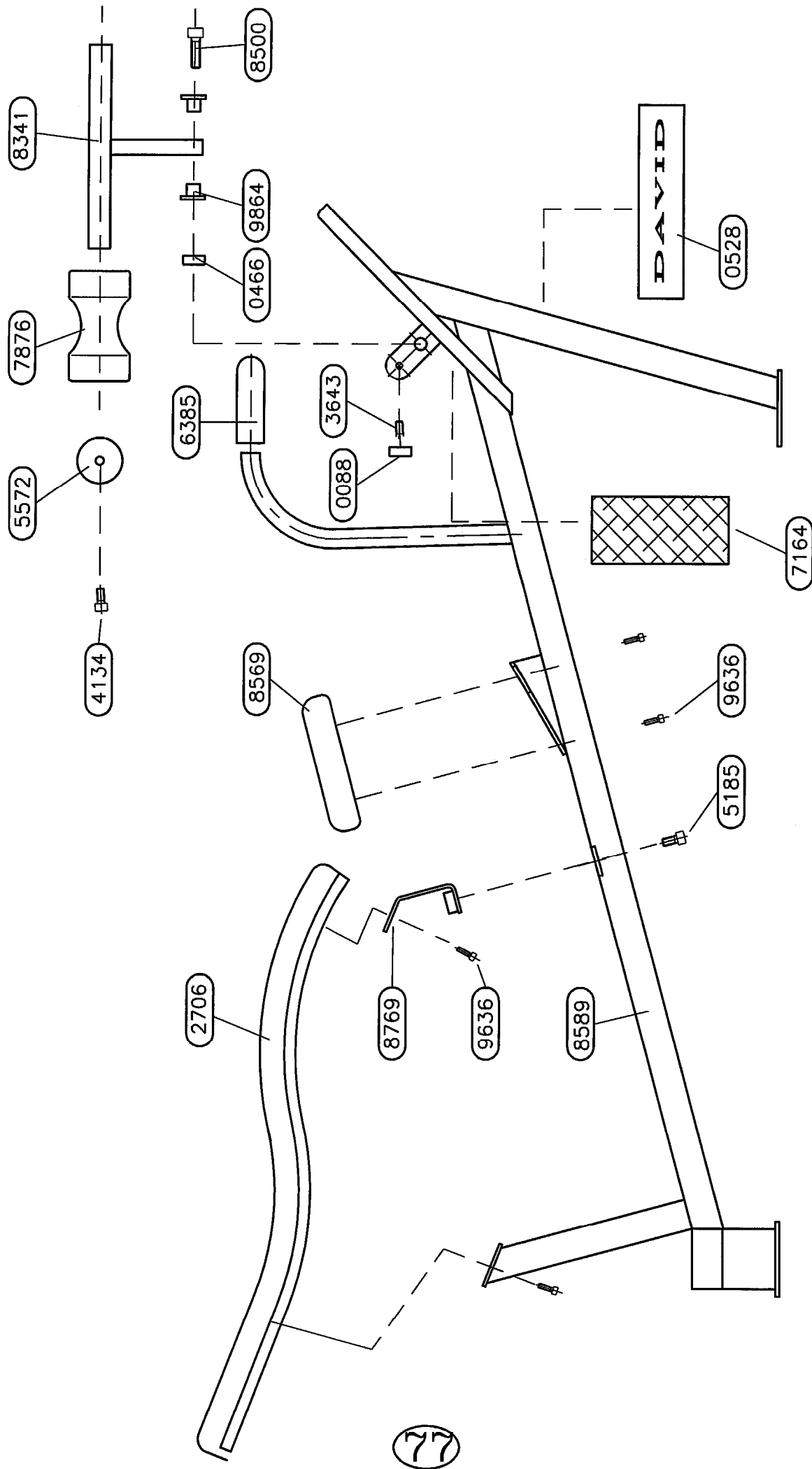


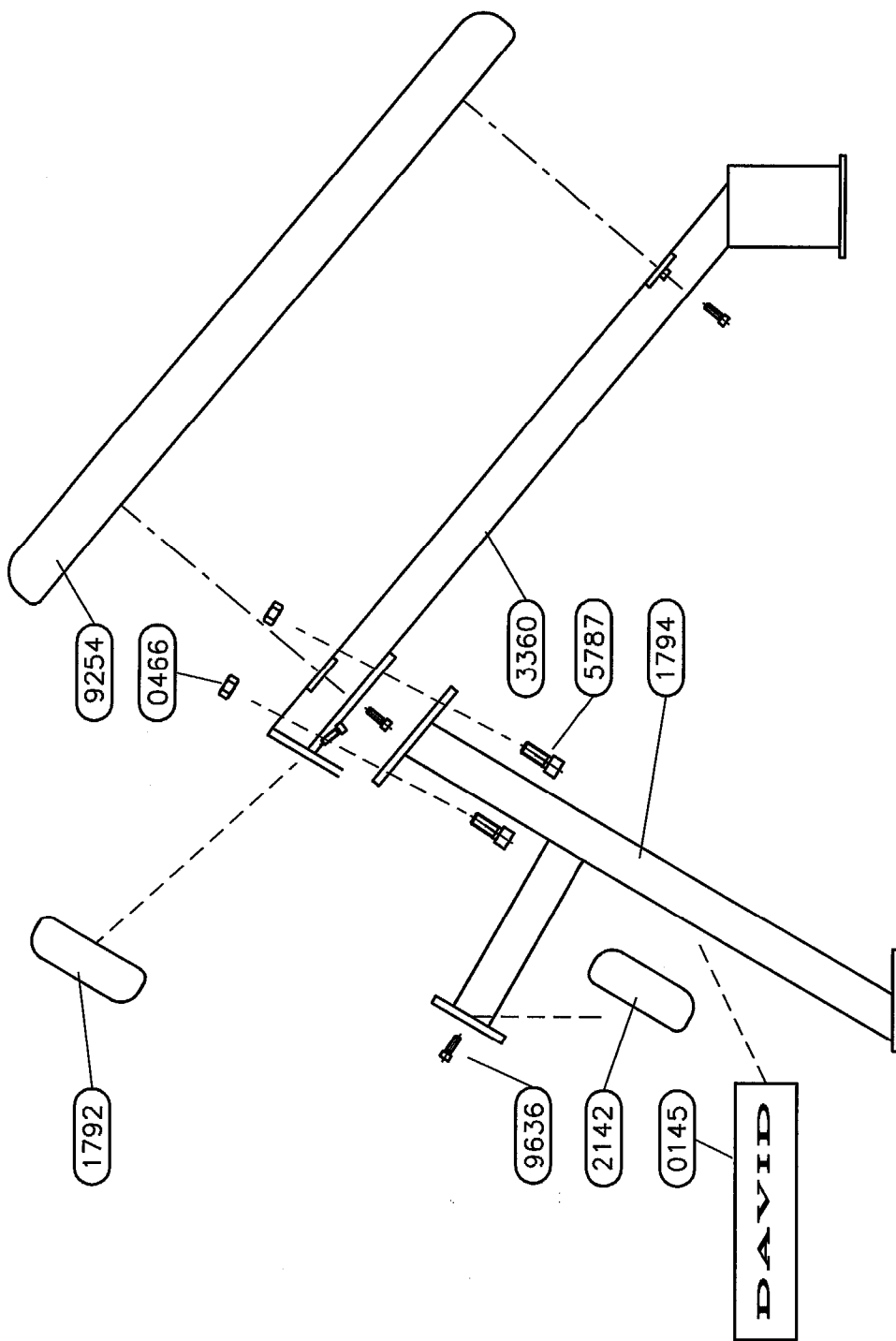


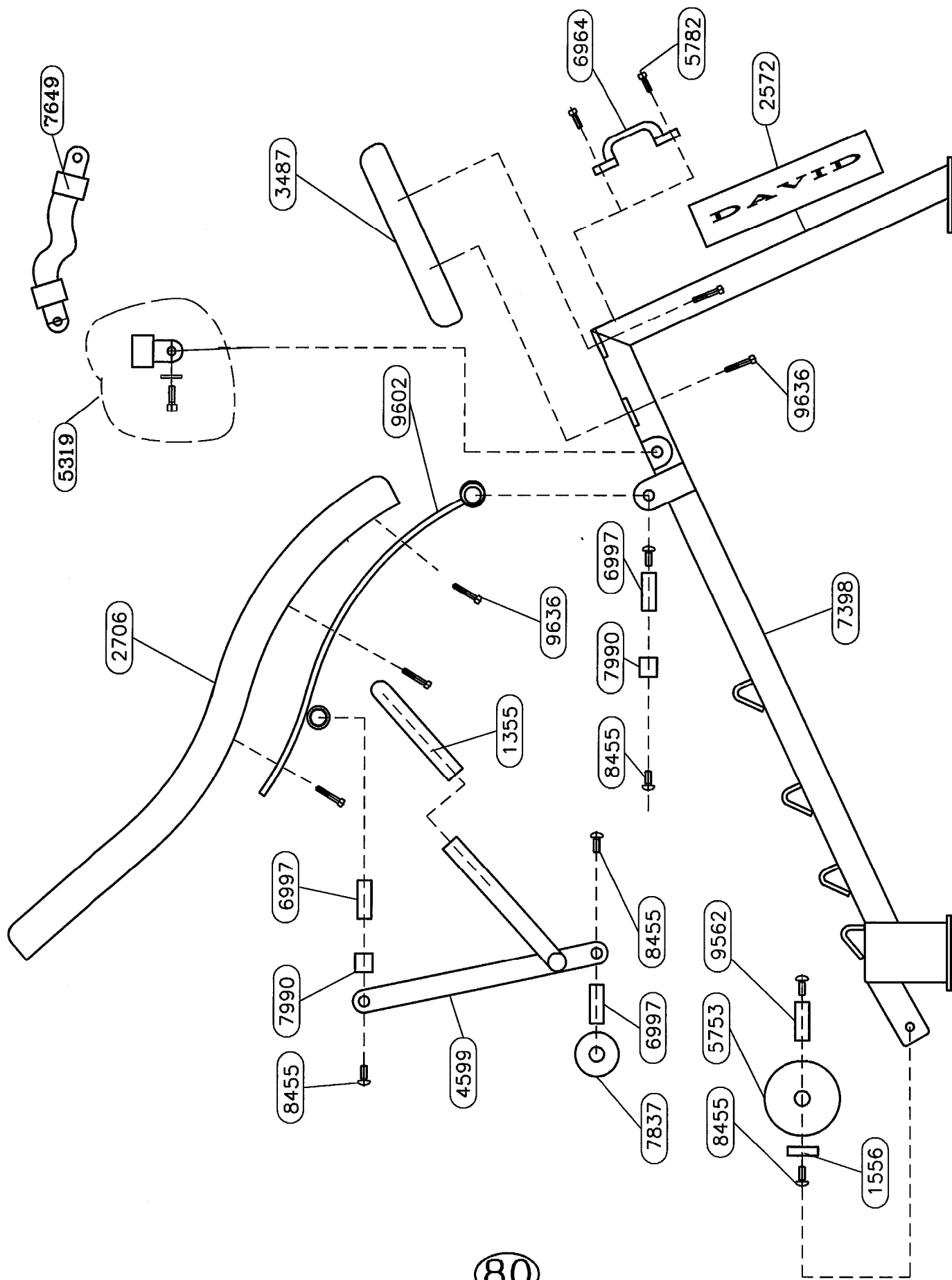


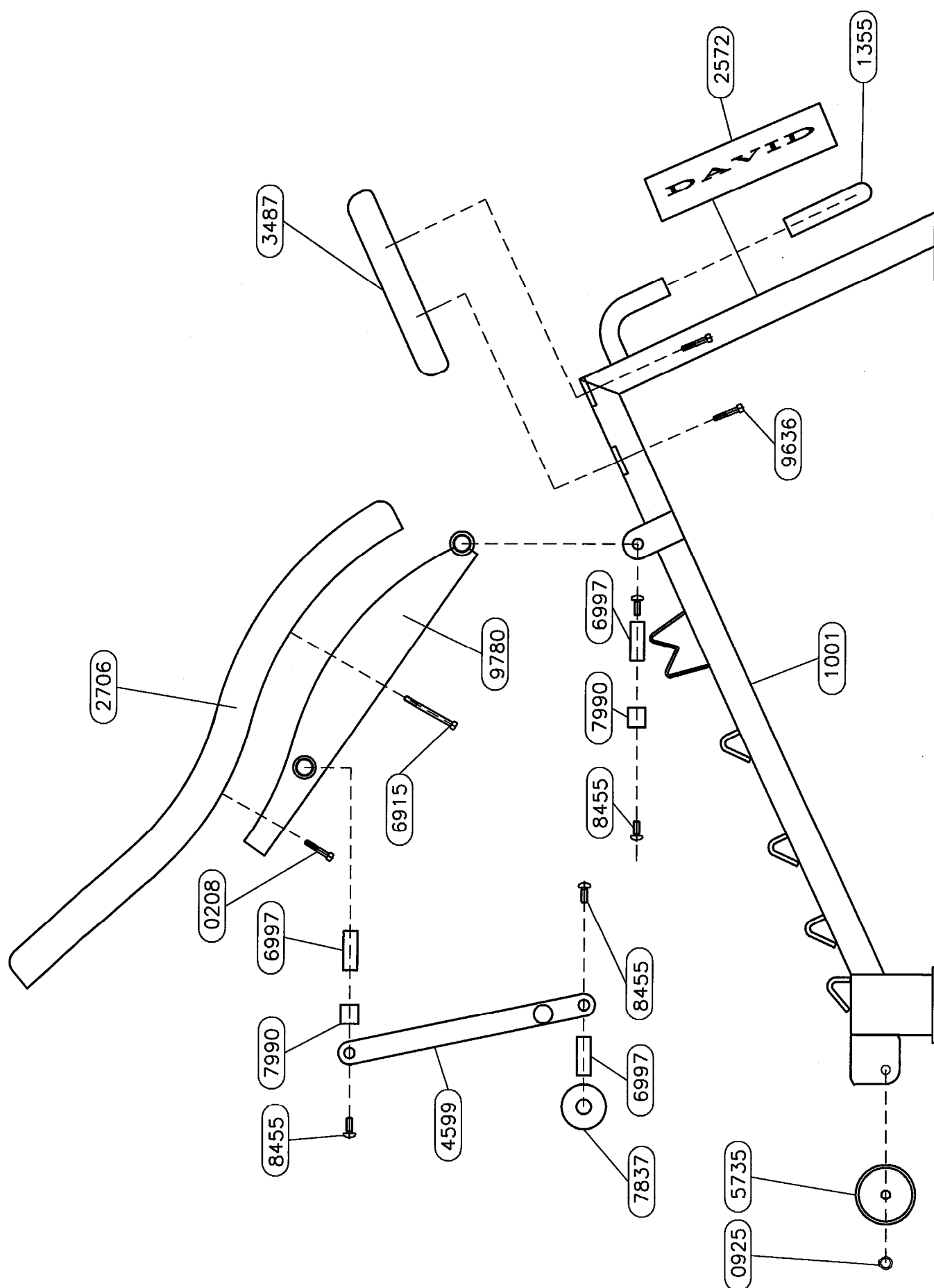
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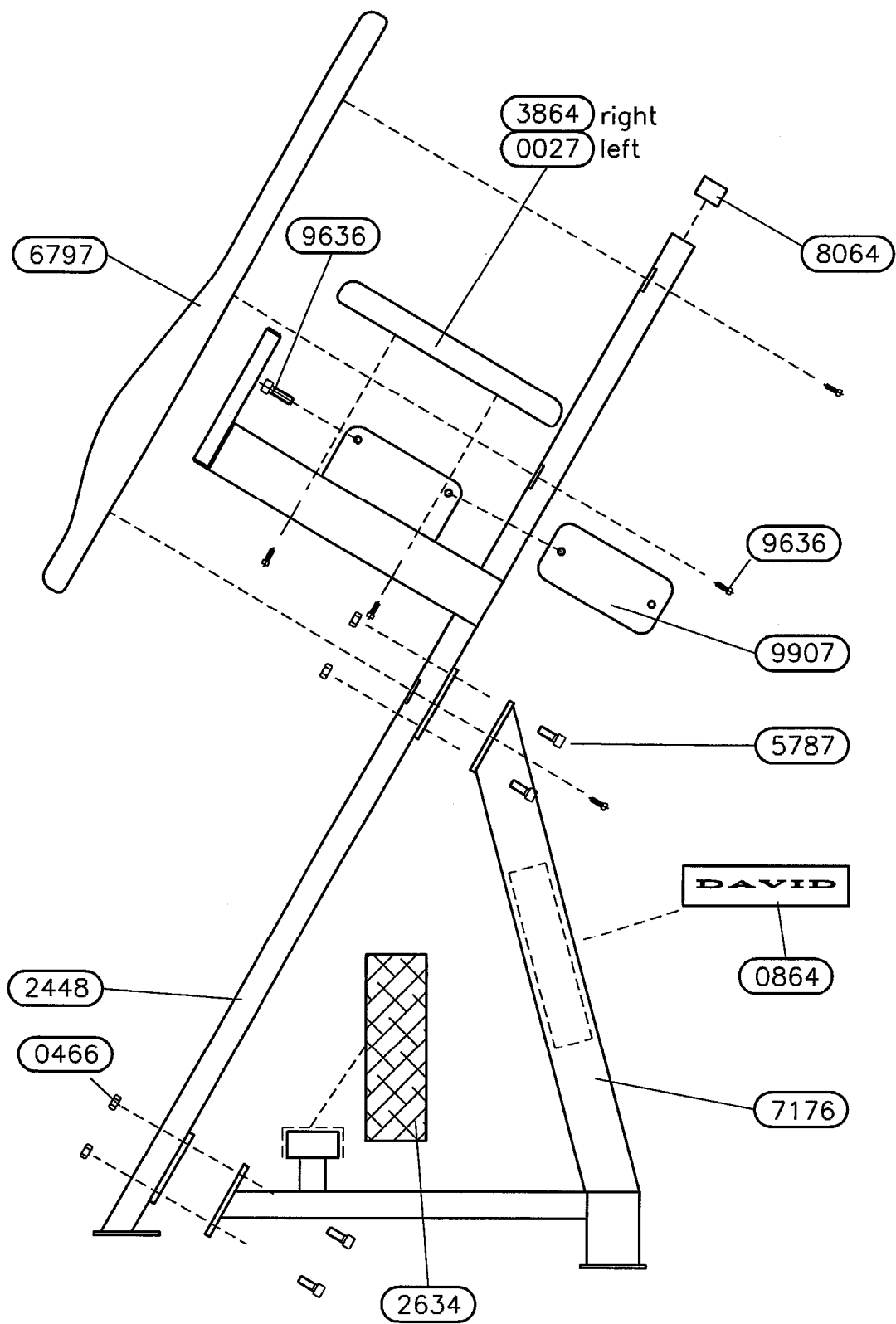












B-LINE BELT LENGTHS

MODEL	WEIGHT STACK	NYLON BELT LENGTH		PU-BELT LENGTH CUTTING LENGTH / WIDTH	
		=> 9/98			10/98 =>
B 18 Calf Machine	5/100	2850			2700 / 25
B 18 Calf Machine	5/150	2650			2500 / 25
B 21 Lat Pulldown	5/70	2400			2620 / 25
B 21 Lat Pulldown	5/100	2280			2500 / 25
B 21 Lat Pulldown	5/150	2080			2300 / 25
B 22 Leverage Rowing	5/70	3270			3550 / 25
B 22 Leverage Rowing	5/100	3150			3430 / 25
B 22 Leverage Rowing	5/150	2950			3230 / 25
B 23 Long Pull	5/70	3160			3450 / 25
B 23 Long Pull	5/100	3040			3330 / 25
B 23 Long Pull	5/150	2840			3130 / 25
B 60 Cross-Over Unit	2 x 5/70	2 x 5280			5240 / 20
B 60 Cross-Over Unit	2 x 5/100	2 x 5040			5000 / 20
B 60 Cross-Over Unit	2 x 5/150	2 x 4640			4600 / 20
B 61 High/Low Pulley	5/70	1910 and 2050 (extension)			5240 / 20
B 61 High/Low Pulley	5/100	1790 and 2050 (extension)			5000 / 20
B 61 High/Low Pulley	5/150	1590 and 2050 (extension)			4600 / 20
B 65 Smith's Machine					2230 / 20
B24 Lat Pulldown / Long Pull	5/70				2470 / 25 and 2500 / 25 (extension)
B24 Lat Pulldown / Long Pull	5/100				2350 / 25 and 2500 / 25 (extension)
B24 Lat Pulldown / Long Pull	5/150				2150 / 25 and 2500 / 25 (extension)

PU-WEIGHT STACK DRIVE BELT CONVERSION KITS 10/88 – 9/98

Unit	Weight Stack	Up-Date kit Code
B 18 Calf Machine	5/100 kg and 5/150 kg	2257
B 21 Lat Pulldown	5/70 kg, 5/100 kg and 5/150 kg	0151
B 22 Leverage Row	5/70 kg, 5/100 kg and 5/150 kg	9808
B 23 Long Pull	5/70 kg, 5/100 kg and 5/150 kg	5829
B 60 Cross-Over Unit	5/70 kg, 5/100 kg and 5/150 kg	7307
B 61 High / Low Pulley	5/70 kg, 5/100 kg and 5/150 kg	1365

Each up-date kit includes all necessary pulley assemblies, belts, belt attachments, swivel snaphooks and related hardware.

GENERAL INSPECTION

All machines should be inspected on a weekly basis using the following steps:

Loose bolts or nuts – tighten immediately

Loose cable or belt attachment – tighten immediately

Loose pads – fasten immediately by tightening the screws

Missing bolts, nuts or screws – Replace immediately

Badly worn or torn pad – Replace immediately

Loose or torn grip – Replace immediately

Worn or damaged cable – Replace immediately

Worn or damaged belt – Replace immediately

Worn or damaged seat belt or attachment – Replace immediately

Any bearing, pivoting component, adjustment part, movement arm or frame component that is damaged must be replaced immediately. If this is not possible, the machine must be kept out of use until properly repaired.

We strongly recommend using only original David spare parts, in order to ensure the proper function and warranty coverage. We only recommend using authorized David service personnel for repair or up-date installation.

MAINTENANCE

All mechanical exercise devices require certain maintenance in order to assure their optimal function. Frequent cleaning and service protocol ensures trouble free operation and prevents more serious damage to the equipment. Use the following procedure as the basic guideline.

- Cleaning the equipment 2 – 3 times / week will ensure the proper function even in the most demanding conditions. The frame and all plastic parts can be cleaned by using mild soap and a soft cloth. The upholstery is best preserved with a time to time cleaning procedure, where a soft, damp cloth (not wet) is used to wipe off any dirt. Also normal dry cleaning foam can be used if necessary.
- All machines equipped with a weight stack do require frequent cleaning of the moving parts and components. For best results, the weight stack should be elevated so that the guide rods can be cleaned thoroughly. CAUTION! When elevating single weight plates or the entire stack, they must be secured in such a way, that they can not move or fall down, since this might cause an injury to anyone close to the weight stack. The guide rods should be cleaned with a degreaser and they can be lubricated with neutral silicon lubricant. Never use grease or oil to lubricate the guide rods, since this will attract dust and dirt thus restraining the proper function. In severe cases of built-up grease and dirt, the guide rods and all weight plates should be removed. Then each weight plate bushing and the guide rods must be cleaned properly.
- All machines equipped with linear bearings must be frequently cleaned. The guide rods of linear bearings should be cleaned with soft, damp cloth. A degreaser can be used when necessary. Do not oil or grease the guide rods.
- In order to maintain the maximum security among the users of the equipment, do the following. Check out the machines every 3 months to ensure that all the bolts and nuts in the frame, lever arms, pivot points, upholstery fastenings etc. are securely tighten. Should there ever be loose nuts, bolts or screws immediately tighten them according to the given specifications or installation instructions.
- The upholstery material must also be checked. Any torn naugahyde can damage clothing or even skin and must be replaced immediately.
- Finally, the grips on the movement arms, levers etc. should be checked for possible wear. These should also be replaced immediately when torn, since the grip security will be affected by worn or loose gripping material.
- In case a machine can not be properly fixed immediately, keep it out of use until repaired.
- By following the above mentioned simple steps the proper function and trouble free operation of any David machine will be ensured.