



GHD-27

GHD-27PF

METALWORKING
Gear Head Drill Press

50000406T/50000407T
400/50/3

PARTS LIST

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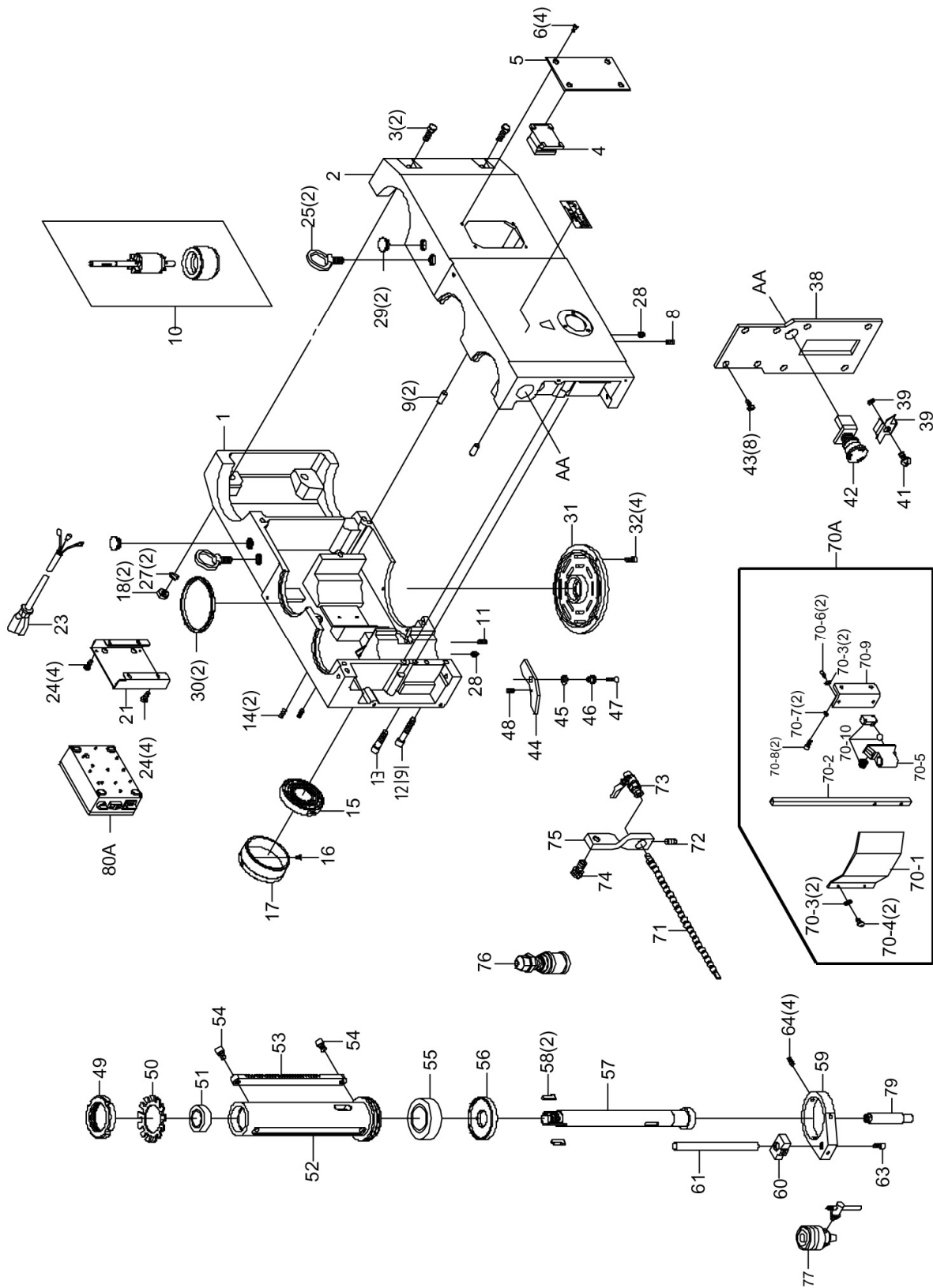
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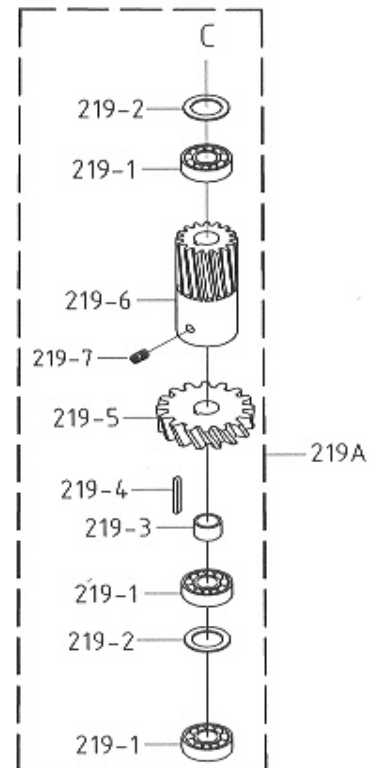
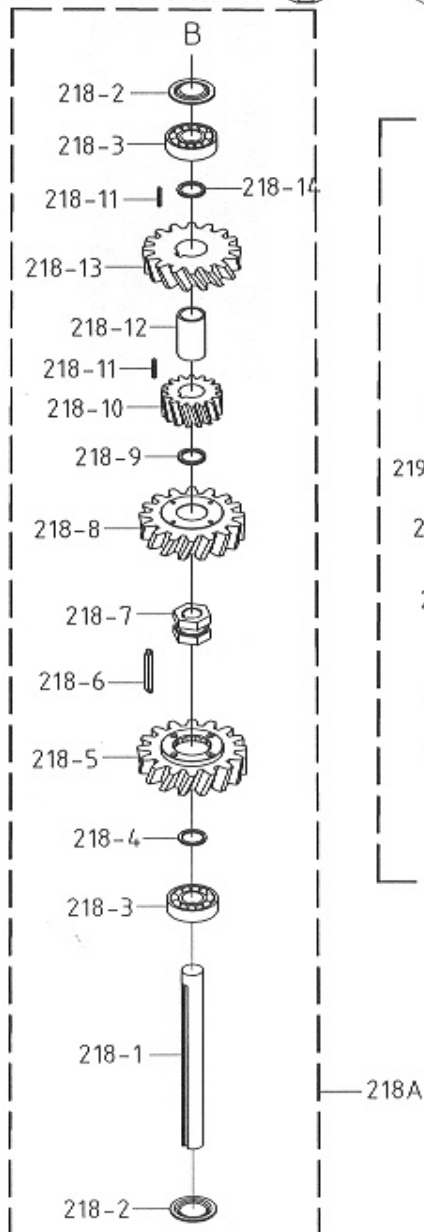
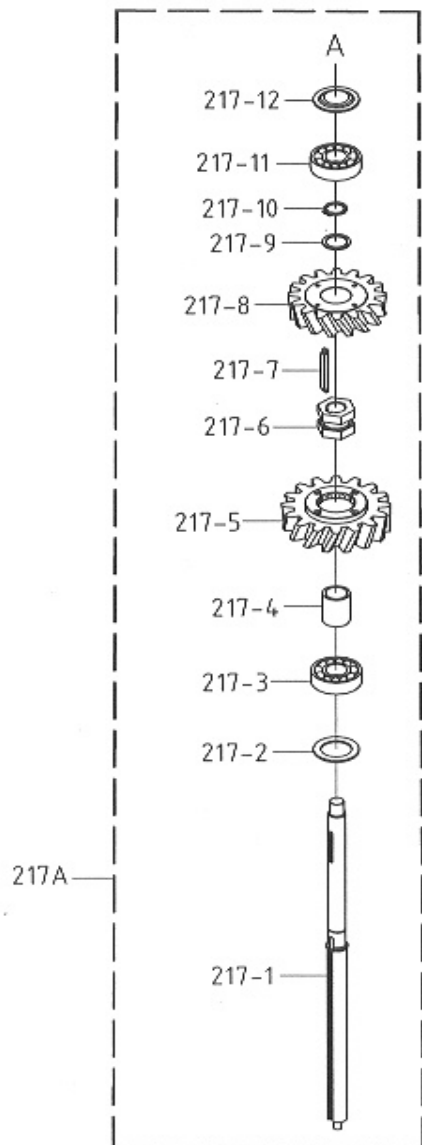
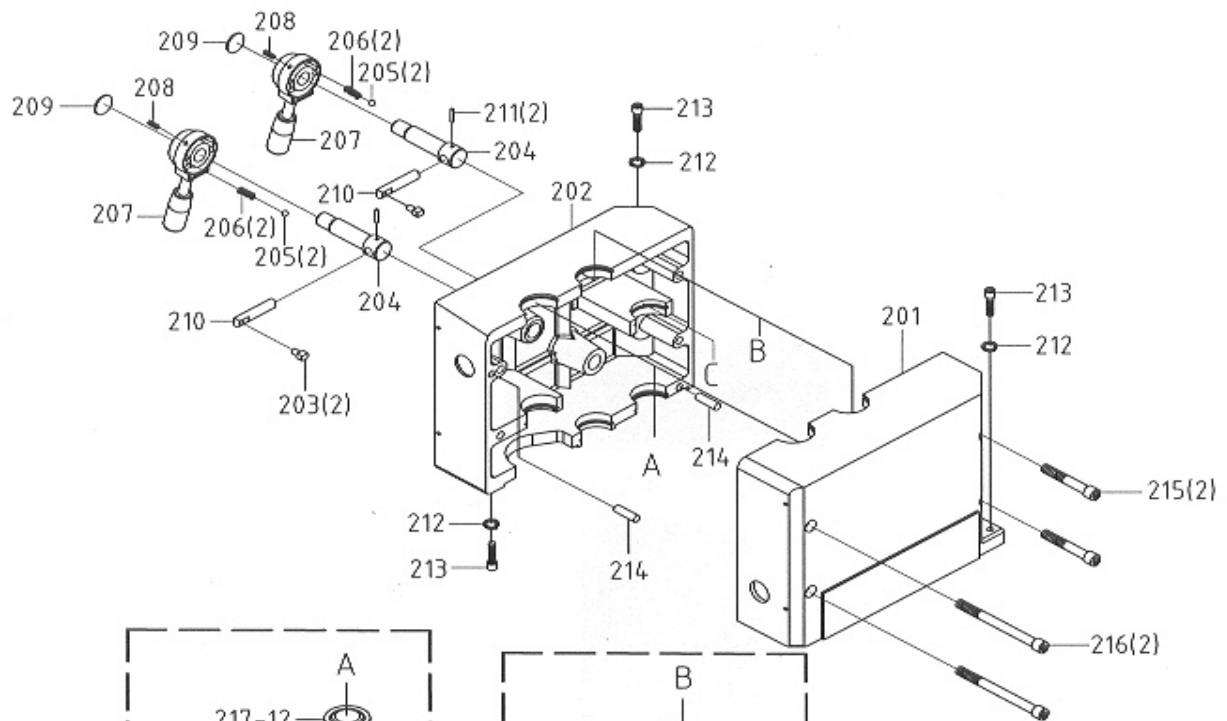
P- 50000406T/ 50000407T

2010-08-23

Breakdown for GHD-27/GHD-27PF Transmission Assembly



Breakdown for GHD-27 /GHD-27PF Transmission Assembly



**Parts List for GHD-27/GHD-27PF
Transmission & Head Assembly**

Index No.	Part No.	Description	Size	Qty.
1	GHD27-01	Head Body(Right)		1
2	GHD27-02	Head Body(Left)		1
3	GHD22-03	Hex. Head Screw	M12x140	2
4	GHD27-04	Contactora		1
5	GHD27-05	Cover		1
6	GHD27-06	Flat Cross Head Screw	M4x10	4
8	GHD22-08	Hex. Socket Headless Screw	M6x15	1
9	GHD22-09	Pin	ø 8x28	2
10	GHD27-10AE	Motor	2HP/400V/3PH	1
11	GHD22-11	Hex. Socket Headless Screw	M8x20	1
12	GHD22-12	Hex. Socket Head Screw	M8x90	9
13	GHD22-13	Hex. Socket Head Screw	M8x70	1
14	GHD22-14	Hex. Socket Headless Screw	M6x10	2
15	GHD22-15	Spring		1
16	GHD22-16	Flat Cross Head Screw	M4x5	1
17	GHD22-17	Spring Cover		1
18	GHD22-18	Hex. Nut	M12	2
21	GHD27-21	Control Box Base		1
23	GHD27-23	Motor Cable		1
24	GHD22-24	Cross Round Head Screw	M5x10	4
25	GHD22-25	Retainer Ring		2
27	GHD22-27	Spring Washer	M12	2
28	GHD22-28	Oil Nozzle	PT1/8"	2
29	GHD27-29	Plug		2
30	GHD22-30	Bushing		2
31	GHD22-31	Cover		1
32	GHD22-32	Hex. Socket Head Screw	M5x15	4
33	GHD22-33	Pinion Shaft		1
34	GHD22-34	Washer		1
35	GHD22-35	Hex. Socket Head Screw	M6x25	1
36	GHD22-36	Handle		3
37	GHD22-37	Knob		3
38	GHD27-38	Name Plate		1
39	GHD22-39	Limit Plate		1
40	GHD22-40	Spring		1
41	GHD22-41	Plum Screw		1
42	GHD27-42	Emergency Switch		1
43	GHD22-43	Hex. Socket Head Screw	M4x10	8
44	GHD22-44	Bracket		1
45	GHD22-45	Washer	ø 11x ø 18x1t	1
46	GHD22-46	Fixed Shaft		1
47	GHD22-47	Flat Cross Head Screw	M5x16	1
48	GHD22-48	Steel Ball	M8	1
49	GHD22-49	Hex. Nut	M25	1
50	GHD22-50	Washer		1
51	GHD22-51	Bearing	6205ZZ	1
52	GHD22-52	Rack Sleeve	MT3	1
53	GHD22-53	Rack		1
54	GHD22-54	Hex. Socket Head Screw	M8x10	2
55	GHD22-55	Bearing	320088	1
56	GHD22-56	Bushing		1
57	GHD22-57	Spindle Shaft	MT3	1
58	GHD22-58	Key		2

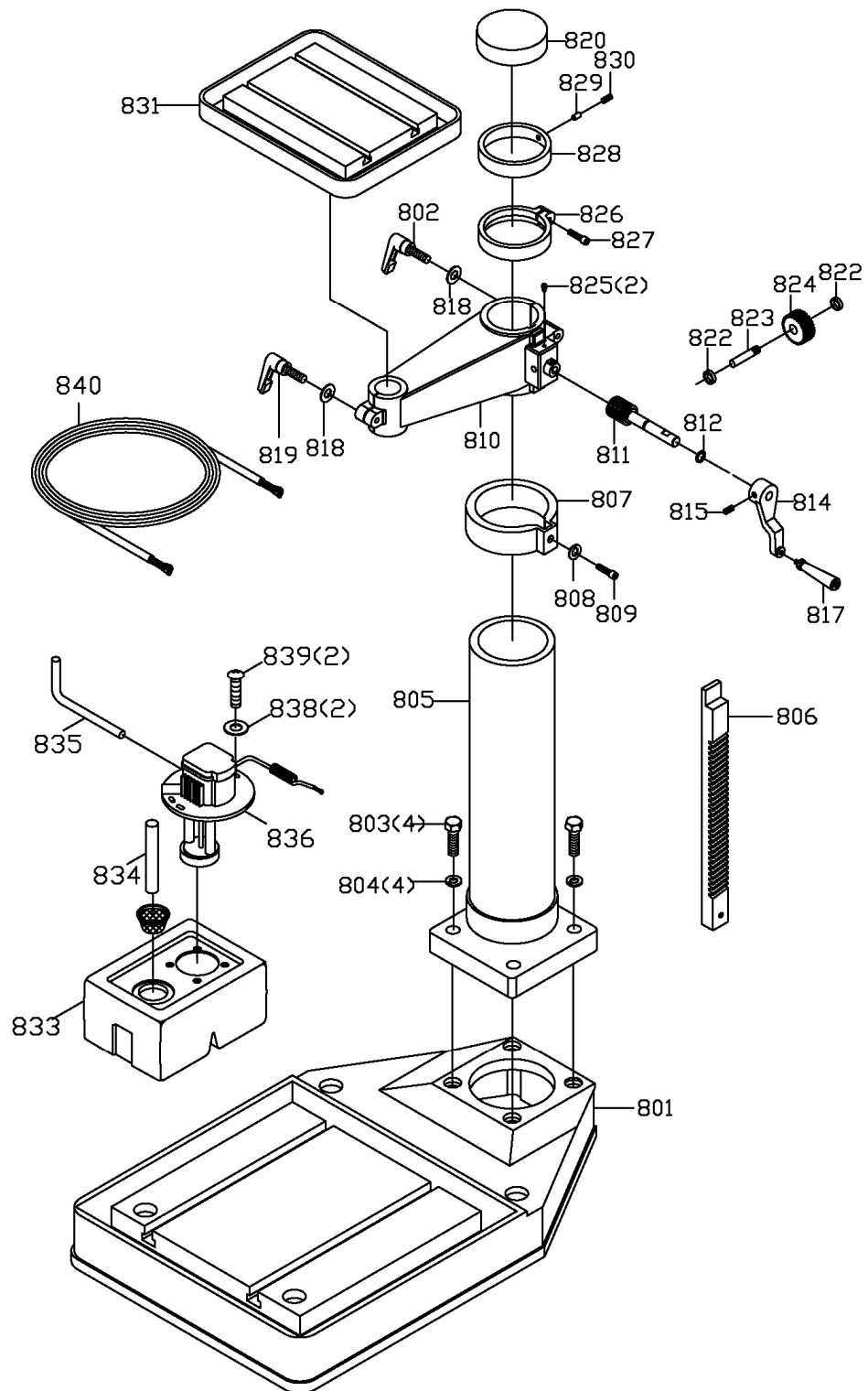
Index No.	Part No.	Description	Size	Qty.
59	GHD22-59	Feed Base		1
60	GHD22-60	Bracket		1
61	GHD22-61	Depth Gauge Rod		1
62	GHD22-62	E-Retainer Ring		1
63	GHD22-63	Hex. Socket Head Screw	M6x20	1
64	GHD22-64	Hex. Socket Headless Screw	M6x10	4
68	GHD22-68	Handle Body		1
69	GHD22-69	Key	6x6x30L	1
70A	GHD22-70A	Chuck Guard Assembly (# 70-1 to # 70-9)		1
70-1	GHD22-72-1	Chuck Guard		1
70-2	GHD22-72-2	Chuck Guard Supporting Rod		1
70-3	GHD22-72-3	Spring Washer	M5	4
70-4	GHD22-72-4	Hex. Socket Head Screw	M5x10	2
70-5	GHD22-72-5	Rotary Supporting Base		1
70-6	GHD22-72-6	Hex. Socket Head Screw	M5x15	2
70-7	GHD22-72-7	Spring Washer	M6	2
70-8	GHD22-72-8	Hex. Socket Head Screw	M6x15	2
70-9	GHD22-72-9	Switch Base		1
70-10	GHD22-72-10	Limit Switch Assembly		1
71	GHD27-71	Jet Nozzle		1
72	GHD27-72	Hex. Socket Headless Screw	M6x8L	1
73	GHD27-73	Valve		1
74	GHD27-74	Hex. Socket Head Screw	M8x16L	1
75	GHD27-75	Valve		1
76	GHD27-76	Power Head		1
77	GHD22-77	Keyless Chuck	B16 16mm	1
79	GHD22-79	Chuck Arbor MT3/B16		1
80A	GHD27-80AE	Electrical Box Assembly		1
201	GHD22-201	Gear Box		1
202	GHD22-202	Gear Box		1
203	GHD22-203	Change Gear Lever		2
204	GHD22-204	Lever Shaft		2
205	GHD22-205	Steel Ball		4
206	GHD22-206	Spring		4
207	GHD22-207	Speed Lever		2
208	GHD22-208	Screw	M5x12	2
209	GHD22-209	Cover		2
210	GHD22-210	Gear Selector Finger		2
211	GHD22-211	Spring Pin	ø 3x20	2
212	GHD22-212	Spring Washer	M6	3
213	GHD22-213	Hex. Socket Head Screw	M6*1.0-25	3
214	GHD22-214	Pin	ø 8x25	2
215	GHD22-215	Hex. Socket Head Screw	M8x70	2
216	GHD22-216	Hex. Socket Head Screw	M8x90	2
217A	GHD22-217A	Spindle Shaft Assembly(#217-1to #217-12)		1
217-1	GHD22-217-1	Spindle Shaft		1
217-2	GHD22-217-2	Washer	ø 44x ø 30x2t	1
217-3	GHD22-217-3	Bearing	6203ZZ	1
217-4	GHD22-217-4	Bushing		1
217-5	GHD22-217-5	Gear Set		1
217-6	GHD22-217-6	Speed Change Bracket		1
217-7	GHD22-217-7	Key	5x5*53	1
217-8	GHD22-217-8	Gear Set		1
217-9	GHD22-217-9	Washer	ø 25x ø 18x2t	1
217-10	GHD22-217-10	C-Retainer Ring		1
217-11	GHD22-217-11	Bearing	6302ZZ	1

217-12 GHD22-217-12 Bearing Cap 1

Index Part

No.	No.	Description	Size	Qty.
218A ...	GHD22-218A	Shaft Assembly(#218-1 to #218-14)		1
218-1 ..	GHD22-218-1	Shaft		1
218-2 ..	GHD22-218-2	Bearing Cap		2
218-3 ..	GHD22-218-3	Bearing	6203ZZ	2
218-4 ..	GHD22-218-4	Bushing		1
218-5 ..	GHD22-218-5	Gear Set		1
218-6 ..	GHD22-218-6	Key	5x5x53	1
218-7 ..	GHD22-218-7	Speed Change Bracket		1
218-8 ..	GHD22-218-8	Gear Set		1
218-9 ..	GHD22-218-9	Bushing		1
218-10	GHD22-218-10	Gear		1
218-11	GHD22-218-11	Key	5x5x20	2
218-12	GHD22-218-12	Bushing		1
218-13	GHD22-218-13	Gear		1
218-14	GHD22-218-14	Bushing		1
219A ...	GHD22-219A	Gear Assembly(#219-1 to #219-7)		1
219-1 ..	GHD22-219-1	Bearing	6203ZZ	3
219-2 ..	GHD22-219-2	Washer	ø 44x ø 30x2t	2
219-3 ..	GHD22-219-3	Bushing		1
219-4 ..	GHD22-219-4	Key	5x5x40	1
219-5 ..	GHD22-219-5	Gear		1
219-6 ..	GHD22-219-6	Gear		1
219-7 ..	GHD22-219-7	Hex. Socket Headless Screw	M4x5	1

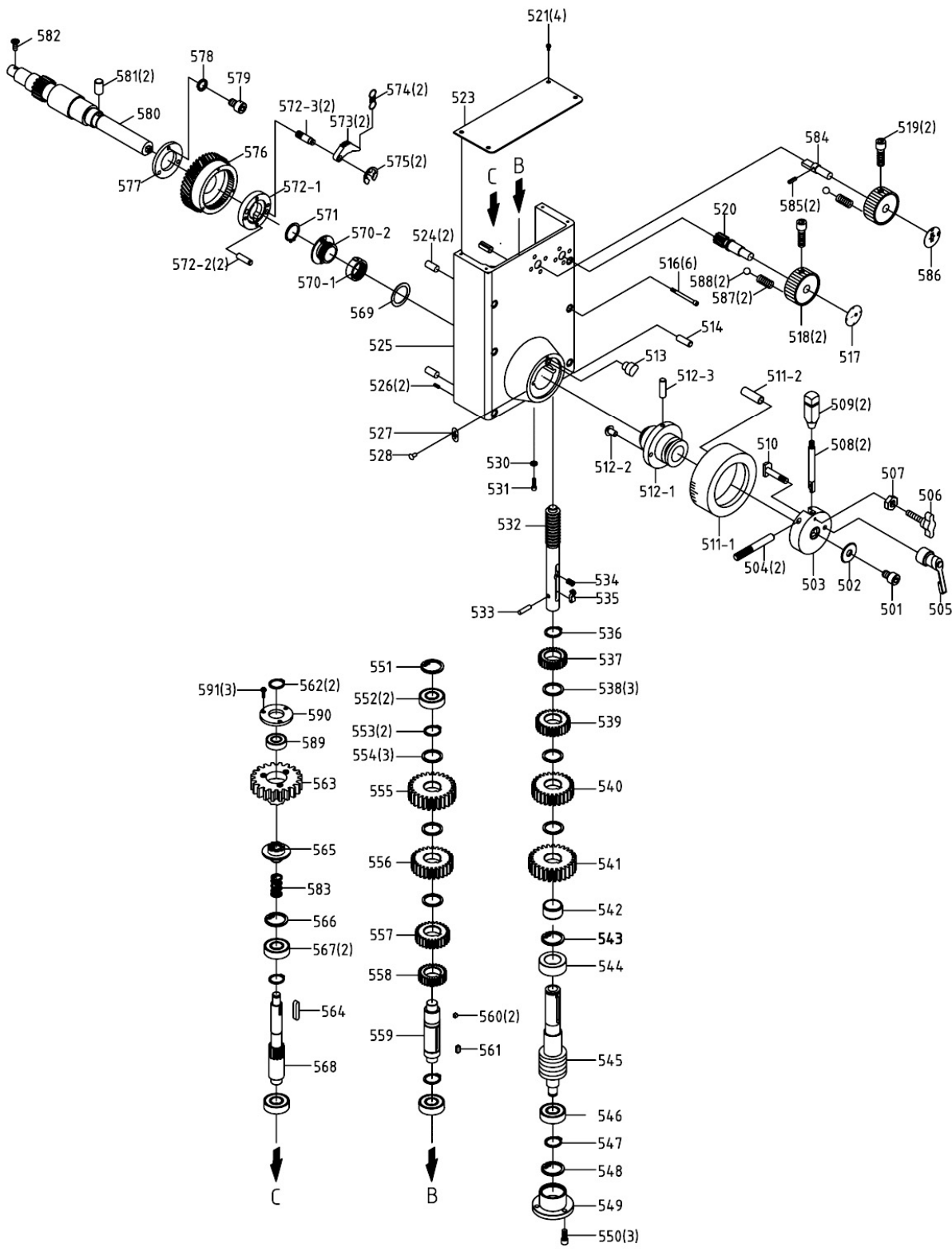
Breakdown for GHD-27/GHD-27PF Table, Base, and Column Assembly



**Parts List for GHD-27/GHD-27PF
Table, Base, and Column Assembly**

Index No.	Part No.	Description	Size	Qty.
801	GHD27-801	Swivel Base		1
802	GHD22-802	Knob	M12x70	1
803	GHD22-803	Hex. Head Screw	M12x50	4
804	GHD22-804	Spring Washer	M12	4
805	GHD27-805	Column		1
806	GHD22-806	Rack		1
807	GHD27-807	Column Flange Ring		1
808	GHD22-808	Spring Washer	M6	1
809	GHD22-809	Hex. Socket Head Screw	M6x15	1
810	GHD27-810	Square Table Base		1
811	GHD22-811	Worm Shaft		1
812	GHD22-812	Bushing		1
814	GHD22-814	Head Handle		1
815	GHD22-815	Hex. Socket Headless Screw	3/8"x1/2"	1
817	GHD22-817	Clamp Handle		1
818	GHD22-818	Washer	M12	2
819	GHD22-819	Knob	M12x50	1
820	GHD22-820	Column Head Assembly		1
822	GHD22-822	Bushing	ø 20x ø 5x5	2
823	GHD22-823	Worm Shaft		1
824	GHD22-824	Gear		1
825	GHD22-825	Oil Nozzle	PT1/8"	2
826	GHD27-826	Bearing Cover		1
827	GHD22-827	Hex. Socket Head Screw	M8x30	1
828	GHD27-828	Head Body Base		1
829	GHD22-829	Washer		2
830	GHD22-830	Hex. Socket Headless Screw	3/8"x1/2"	2
831	GHD22-831	Square Working Table		1
833	GHD27-833	Coolant Tank		1
834	GHD27-834	Hose		1
835	GHD27-835	Hose		1
836	GHD27-836E	Pump 400/50/1		1
838	GHD27-838	Washer	1/4"*16*1.5t	2
839	GHD27-839	Cross Round Head Screw	1/4"*3/4"L	42
840	GHD27-840	Pump cable		1

Breakdown for the GHD-27PF Power Feed Assembly

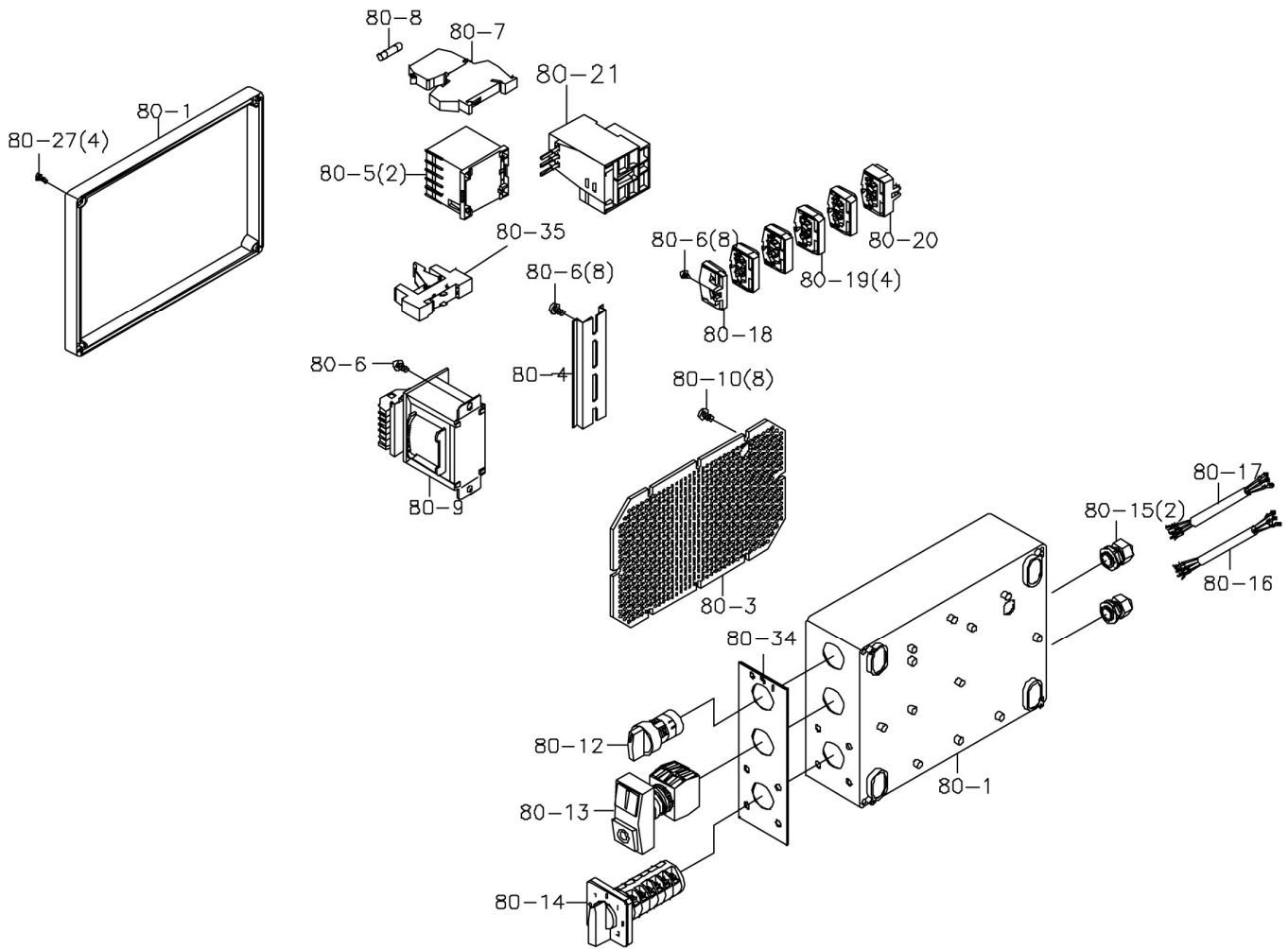


**Parts List for the GHD-27PF
Power Feed Assembly**

Index No.	Part No.	Description	Size	Qty.
501.....	TS-1504021.....	Socket Head Cap Screw.....	M8x12.....	1
502.....	TS-1550061.....	Flat Washer.....	M8.....	1
503.....	GHD27PF-503.....	Handle Body.....		1
504.....	GHD27PF-504.....	Handle Rod Pin.....		2
505.....	GHD27PF-505.....	Graduated Base Fixed Grip.....		1
506.....	GHD27PF-506.....	Fixed Screw.....	5/16"x3/4"L.....	1
507.....	TS-0561021.....	Hex. Nut.....	5/16".....	1
508.....	GHD27PF-508.....	Handle Rod.....		2
509.....	GHD22-037.....	Knob.....		2
510.....	GHD27PF-510.....	T-Screw.....		1
511-1..	GHD27PF-511-1.....	Scale Base.....		1
511-2..	GHD27PF-511-2.....	Pin.....	ø 5.....	1
512-1..	GHD27PF-512-1.....	Clutch Bushing.....		1
512-2..	GHD27PF-512-2.....	Bushing Stop.....		1
512-3..	GHD27PF-512-3.....	Bushing Pin.....		1
	GHD27PF-511SSA.....	Scale Seat Assembly (#511- #512, #503- #504)		1
513.....	GHD27PF-513.....	Release Block.....		1
514.....	GHD27PF-514.....	Pin.....		1
516.....	GHD27PF-516.....	Socket Head Cap Screw.....	M8x85.....	6
517.....	GHD27PF-517.....	Feed Label.....		1
518.....	GHD27PF-518.....	Speed Lever.....		2
519.....	TS-1522061.....	Socket Set Screw.....	M5x20.....	2
520.....	GHD27PF-520.....	Gear Shaft.....		1
521.....	GHD27PF-521.....	Cross Round Head Screw.....	M4x10.....	4
523.....	GHD27PF-523.....	Cover Plate.....		1
524.....	GHD27PF-524.....	Pin.....		2
525.....	GHD27PF-525.....	Gear Box.....		1
526.....	TS-1523031.....	Socket Set Screw.....	M6x10.....	2
527.....	GHD27PF-527.....	Scale.....		1
528.....	GHD27PF-528.....	Rivet.....	ø 2x4L.....	2
530.....	TS-1550061.....	Flat Washer.....	M8.....	1
531.....	TS-1504041.....	Socket Head Cap Screw.....	M8x10.....	1
532.....	GHD27PF-532.....	Shaft.....		1
533.....	GHD27PF-533.....	Pin.....	ø 5x14.....	1
534.....	GHD27PF-534.....	Spring.....		1
535.....	GHD27PF-535.....	Key.....		1
536.....	GHD27PF-536.....	C-Retainer Ring.....	S25.....	1
537.....	GHD27PF-537.....	Gear.....		1
538.....	GHD27PF-538.....	Bushing.....		3
539.....	GHD27PF-539.....	Gear.....		1
540.....	GHD27PF-540.....	Gear.....		1
541.....	GHD27PF-541.....	Gear.....		1
542.....	GHD57PF-542.....	Bushing.....		1
543.....	GHD27PF-543.....	C-Retainer Ring.....	R42.....	1
544.....	GHD27PF-544.....	Bearing	4905.....	1
545.....	GHD27PF-545.....	Worm Shaft.....		1
546.....	GHD27PF-546.....	Bearing.....	5203.....	1
547.....	GHD27PF-547.....	C-Retainer Ring.....	S17.....	1
548.....	GHD27PF-548.....	C-Retainer Ring.....	R40.....	1
549.....	GHD27PF-549.....	Bushing.....		1

Index No.	Part No.	Description	Size	Qty.
550.....	TS-1503031.....	Socket Head Cap Screw.....	M6x20.....	3
551.....	GHD27PF-551.....	C-Retainer Ring.....	R40.....	1
552.....	BB-6203ZZ.....	Ball Bearing.....	6203ZZ.....	2
553.....	GHD27PF-553.....	C-Retainer Ring.....	S25.....	2
554.....	GHD27PF-554.....	Bushing.....		3
555.....	GHD27PF-555.....	Gear.....		1
556.....	GHD27PF-556.....	Gear.....		1
557.....	GHD27PF-557.....	Gear.....		1
558.....	GHD27PF-558.....	Gear.....		1
559.....	GHD27PF-559.....	Shaft.....		1
560.....	GHD27PF-560.....	Key.....		2
561.....	GHD27PF-561.....	Key.....		1
562.....	GHD27PF-562.....	C-Retainer Ring.....	S25.....	2
563.....	GHD27PF-563.....	Gear.....		1
564.....	GHD27PF-564.....	Key.....	5x5x15L.....	1
565.....	GHD27PF-565.....	Clutch.....		1
566.....	GHD27PF-566.....	C-Retainer Ring.....	R40.....	1
567.....	BB-6203ZZ.....	Ball Bearing.....	6203ZZ.....	2
568.....	GHD27PF-568.....	Gear Shaft.....		1
569.....	GHD27PF-569.....	Spacer.....		1
.....	GHD27PF-570CSA...	Clutch Seat Assembly (#570-1 to #577).....		1
570-1	GHD27PF-570-1.....	Clutch Nut.....		1
570-2	GHD27PF-570-2.....	Clutch Screw.....		1
571.....	GHD27PF-571.....	C-Retainer Ring.....	S25.....	1
572.....	GHD27PF-572.....	Clutch Key Base Set.....		1
572-1	GHD27PF-572-1.....	Clutch Key Base.....		1
572-2	GHD27PF-572-2.....	Spring Pin.....		2
572-3	GHD27PF-572-3.....	Clutch Key Pin.....		2
573.....	GHD27PF-573.....	Clutch Key.....		2
574.....	GHD27PF-574.....	Spring.....		2
575.....	GHD27PF-575.....	E-Retainer Ring.....	E5.....	2
576.....	GHD27PF-576.....	Worm Gear.....		1
577.....	GHD27PF-577.....	Gear Cover.....		1
578.....	GHD27PF-578.....	Spring Washer.....	M6.....	3
579.....	TS-1503041.....	Socket Head Cap Screw.....	M6x15L.....	3
580.....	GHD27PF-580.....	Pinion Shaft.....		1
581.....	GHD27PF-581.....	Key.....		2
582.....	GHD27PF-582.....	Flat Cross Head Screw.....	M4x10L.....	1
583.....	GHD27PF-583.....	Spring.....		1
584.....	GHD27PF-584.....	Pinion Shaft.....		1
585.....	GHD27PF-585.....	Key.....	4x4x20L.....	2
586.....	GHD27PF-586.....	Label for Clutch.....		1
587.....	GHD27PF-587.....	Spring.....		2
588.....	GHD27PF-588.....	Steel Ball.....	ø 8.....	2
589.....	BB-6202ZZ.....	Ball Bearing.....	6202ZZ.....	1
590.....	GHD27PF-590.....	Fixed bracket.....		1
591.....	GHD27PF-591.....	Flat Cross Head Screw.....	M5x10L.....	3

Breakdown for GHD-27 /GHD-27PF Electrical Box Assembly



**Parts List for GHD-27/GHD-27PF
Electrical Box Assembly**

Index No.	Part No.	Description	Size	Qty.
80-1	GHD27-80-1	Switch Box		1
80-3	GHD27-80-2	Base Plate.....		1
80-4	GHD27-80-3	Bracket.....		1
80-5	GHD27-80-4	Magnetic Contactor		1
80-6	GHD27-80-5	Cross Round Head Screw	M4x10.....	8
80-7	GHD27-80-6	Fuse Block		1
80-8	GHD27-80-7	Fuse Wirt		1
80-9	GHD27-80-8	Transformer 400V/24V	0.7Kg, 20VA.....	1
80-10 ..	GHD27-80-9	Cross Round Head Screw	M5x10.....	8
80-12 ..	GHD27-80-10	Select Switch		1
80-13 ..	GHD27-80-11	2 Switch Button		1
80-14 ..	GHD27-80-12	Switch		1
80-15 ..	GHD27-80-13	Cable Setting Nut		2
80-16 ..	GHD27-80-14	Pump cable		1
80-17 ..	GHD27-80-15	Power cable		1
80-18 ..	GHD27-80-16	Terminal Base		1
80-19 ..	GHD27-80-17	Terminal Base		2
80-20 ..	GHD27-80-18	Terminal Base Plate		1
80-21 ..	GHD27-80-21	Overload		1
80-27 ..	GHD27-80-19	Cross Round Head Screw	M4x15.....	4
80-34 ..	GHD27-80-20	Switch Name Plate		1
80-35 ..	GHD27-80-35	Relay		1
.....	GHD27-80AE.....	Electrical Box Complete Assembly (80/1-80/35).....		1

GHD-27
50000406T

GHD-27PF
50000407T

400/50/3

	colour of strands	Litzenfarben	couleur des cordons
BK	black	schwarz	noir
BU	blue	blau	bleu
BN	brown	braun	brun
GY	grey	grau	gris
GNYE	green-yellow	grün-gelb	vert-jaune

	meaning of symbol	Bedeutung der Zeichen	interprétation
F	fuse	Sicherung	fusible
M	main motor	Hauptmotor	moteur principal
JUMP1	emergency stop	Not-Aus Schalter	arrêt d'urgence
JUMP2	Spindle guard	Räderdeckel	couvercle du ruban
SB1	off switch	Aus-Schalter	bouton arrêt
SB2	start switch	Ein-Schalter	bouton marche
SA1	pump switch	Kühlmittel-Schalter	commutateur pompe
KM1	contactor (motor)	Hauptschütz	contacteur principale
TR	transformer	Transformator	transformateur
SA2	2/4P switch	Schalter 2/4 polig	bouton 2/4 pole
KM2	contactor (pump)	Kühlmittel Hauptschütz	contacteur pompe
P	Coolant Pump	Kühlmittelmotor	moteur pompe
FR	Overload	Überlastschutz	interrupteur surcharge

