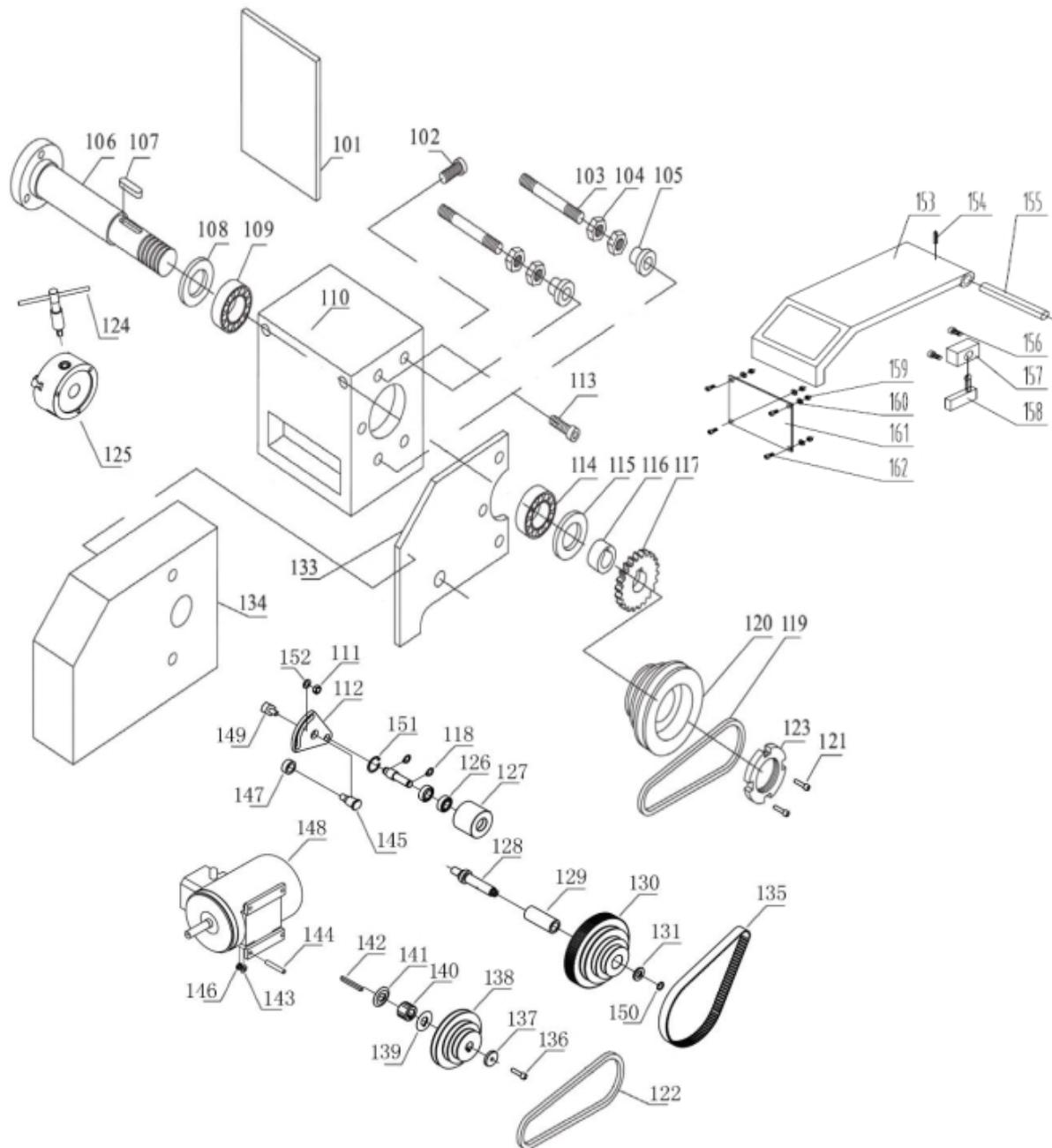


BD-12G Assembly Breakdown -1

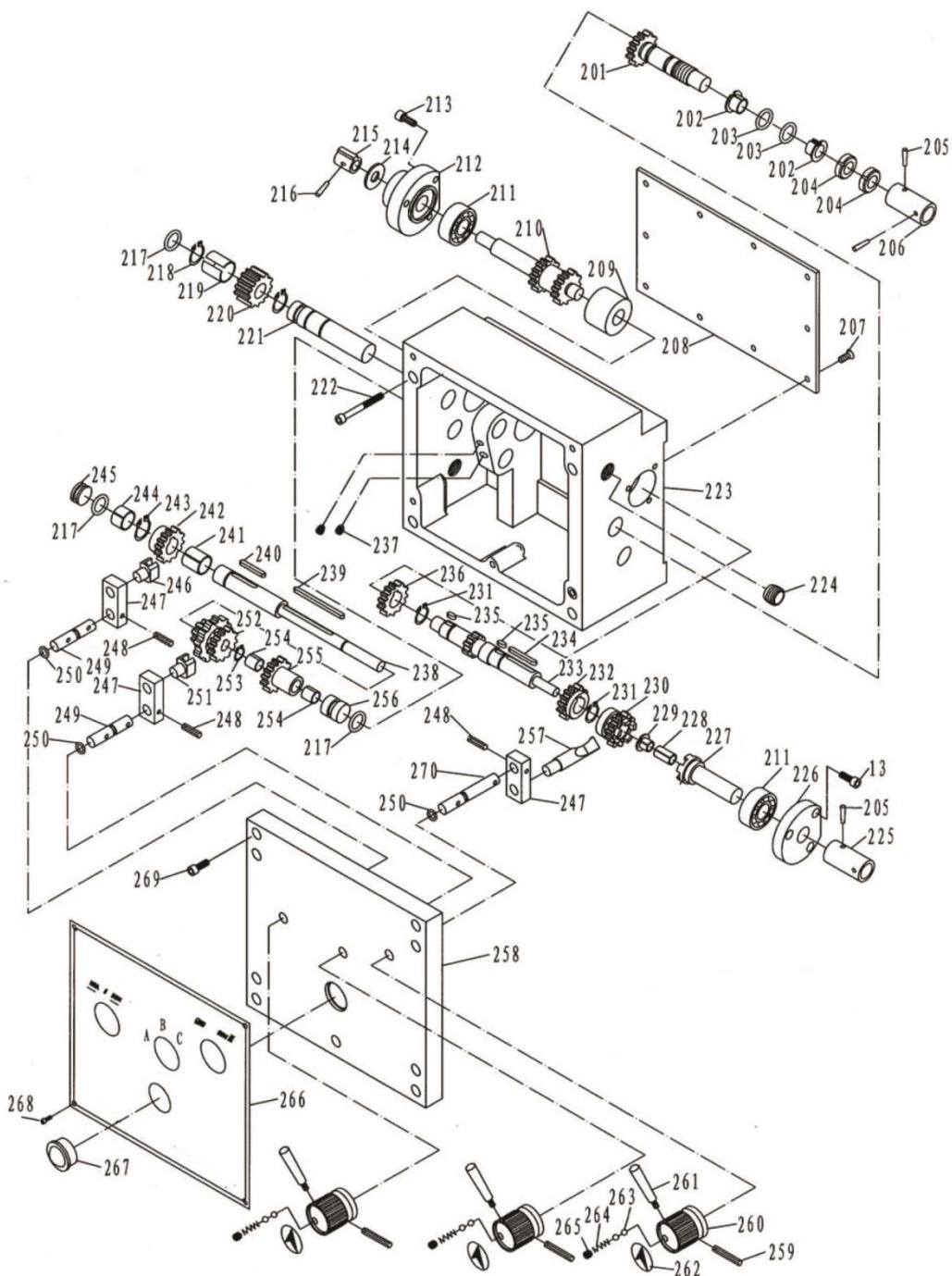


BD-12G Parts List for Breakdown -1

Index No.	Part No.	Description	Size	Qty.
101.....	BD-12G-1-01.....	LABEL.....		1
102.....	BD-12G-1.....	SOCKET HD SCREW.....	DIN912 Φ 4x10.....	6
103.....	BD-12G-1-03.....	BOLT.....		2
104.....	BD-12G-2.....	NUT	DIN439-M10.....	4
105.....	BD-12G-3.....	KNURL NUT.....	M10.....	2
106.....	BD-12G-1-06.....	SPINDLE.....		1
107.....	BD-12G-4.....	KEY	DIN 6885-8x45.....	1
108.....	BD-12G-1-08.....	GASKET.....		1
109.....	TRB-30212.....	BEARING.....	30212.....	1
110.....	BD-12G-1-10.....	HEADSTOCK.....		1
111.....	BD-12G-5.....	HEXAGON NUT.....	DIN439 - M8.....	1
112.....	BD-12G-1-12.....	ECCENTRIC DISK IDLER.....		1
113.....	BD-12G-6.....	SOCKET HD SCREW.....	DIN912 M8x25.....	3
114.....	TRB-32211.....	BEARING.....	32211.....	1
115.....	BD-12G-1-15.....	GASKET.....		1
116.....	BD-12G-1-16.....	BUSH.....		1
117.....	BD-12G-1-17.....	GEAR.....		1
118.....	BD-12G-7.....	CIRCLIP.....	DIN 471-12 x 1.....	2
119.....	BD-12G-1-19.....	GATES BELT.....	O-889.....	1
120.....	BD-12G-1-20.....	SPINDLE PULLEY.....		1
121.....	BD-12G-8.....	SOCKET HD SCREW.....	M5x12.....	2
122.....	BD-12G-1-22.....	GATES BELT.....	O-710.....	1
123.....	BD-12G-1-23.....	NUT		1
124.....	BD-12G-1-24.....	CHUCK WRENCH.....		1
125.....	BD-12G-1-25.....	3-JAW CHUCK.....	K11-160.....	1
126.....	BB-6001.....	BEARING.....	6001.....	2
127.....	BD-12G-1-27.....	IDLER.....		1
128.....	BD-12G-1-28.....	SHAFT.....		1
129.....	BD-12G-1-29.....	CASE.....		1
130.....	BD-12G-1-30.....	TOOTHED BELT DISK.....		1
131.....	BD-12G-9.....	DISK FOR TOOTHED BELT DISK.....		1
133.....	BD-12G-1-33.....	BRACKET PLATE.....		1
134.....	BD-12G-1-34.....	BELT COVER.....		1
135.....	BD-12G-1-35.....	TOOTHED BELT.....	255L075.....	1
136.....	BD-12G-10.....	SOCKET HEAD SCREW.....	GB 70-85 - M6x25.....	1
137.....	BD-12G-11.....	FIXING DISC.....		1
138.....	BD-12G-1-38.....	MOTOR PULLEY.....		1
139.....	BD-12G-1-39.....	FLANGED WASHER IN FRONT.....		1
140.....	BD-12G-1-40.....	TOOTHED BELT DISK.....		1
141.....	BD-12G-1-41.....	FLANGED WASHER IN THE BACK.....		1
142.....	BD-12G-12.....	KEY.....	DIN 6885-A6x6x50.....	1
143.....	BD-12G-13.....	WASHER.....	DIN 125 - A8.....	1
144.....	BD-12G-1-144.....	SCREW.....		4
145.....	BD-12G-1-45.....	BOLT.....		1
146.....	BD-12G-15.....	HEX NUT.....	ISO 4032 M8.....	4
147.....	BD-12G-1-47.....	SPACER.....		1
148.....	BD-12G-1-48.....	MOTOR.....	1.1KW.....	1
149.....	BD-12G-1-49.....	CLAMPING PIECE.....		1
150.....	BD-12G-16.....	CIRCLIP.....	DIN 471 - 12x1.....	1
151.....	BD-12G-17.....	CIRCLIP.....	DIN 471 - 28x1.2.....	1
152.....	BD-12G-18.....	WASHER.....	DIN 125 - A8.....	1
153.....	BD-12G-153.....	CHUCK GUARD.....		1
154.....	BD-12G-154.....	ROLL PIN.....	3 x 20 mm.....	1
155.....	BD-12G-155.....	SHAFT.....		1
156.....	BD-12G-156.....	SOCKET HD SCREW.....	M5 x 12 mm.....	2
157.....	BD-12G-157.....	BRACKET.....		1
158.....	BD-12G-158.....	MICRO SWITCH.....		1
159.....	BD-12G-159.....	HEX NUT (THIN).....	M4.....	4

160-----BD-12G-160.....	WASHER.....	4.....	4
161-----BD-12G-161.....	ARCRYLIC GLASS.....	1.....	
162-----BD-12G-162.....	SOCKET HD SCREW.....	M4 × 10 mm.....	4

BD-12G Assembly Breakdown -2



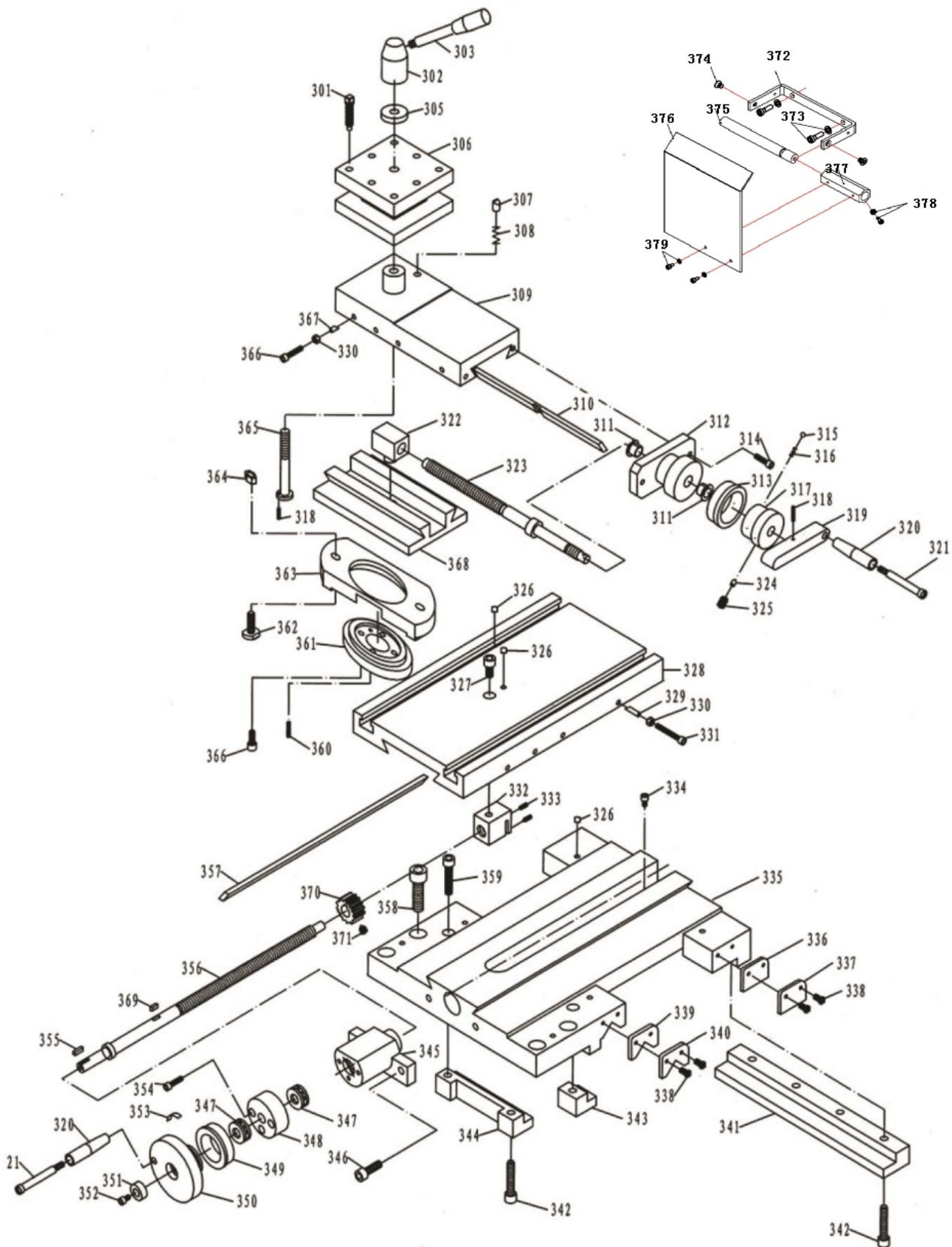
BD-12G Parts List for Breakdown -2

Index	Part	Description	Size	Qty.
No.	No.			
201.....	BD-12G-2-01.....	GEAR SHAFT.....		.1
202.....	BD-12G-2-02.....	BEARING.....	16170.....	.2
203.....	BD-12G-19.....	O-RING.....	18001400.....	.2
204.....	BD-12G-2-04.....	NUT DIN 1804.....	M16×1.5.....	.2
205.....	BD-12G-20.....	PIN DIN 1481.....	Φ3×22.....	.2
206.....	BD-12G-2-06.....	COLLAR.....		.1
207.....	BD-12G-21.....	SOCKET HD SCREW.....	DIN912M5×8.....	.10
208.....	BD-12G-2-08.....	COVER.....		.1
209.....	BD-12G-2-09.....	COLLAR.....		.1
210.....	BD-12G-2-10.....	GEAR SHAFT.....		.1
211.....	BB-6202.....	BEARING.....	6202.....	.2
212.....	BD-12G-2-12.....	LEFT PLUG.....		.1
213.....	BD-12G-22.....	SOCKET HD SCREW.....	DIN 912 M5X12.....	.6
214.....	BD-12G-23.....	WASHER.....	Φ10.....	.1
215.....	BD-12G-2-15.....	KEY.....		.1
216.....	BD-12G-24.....	PIN.....	DIN 1481 Φ4×14.....	.1
217.....	BD-12G-25.....	O-RING.....	18001500.....	.3
218.....	BD-12G-26.....	SNAP RING.....	Φ18.....	.2
219.....	BD-12G-2-19.....	BEARING.....	1815.....	.1
220.....	BD-12G-2-20.....	GEAR.....		.1
221.....	BD-12G-2-21.....	SHAFT.....		.1
222.....	BD-12G-27.....	SOCKET HD SCREW.....	M6×50.....	.4
223.....	BD-12G-2-23.....	GEARBOX.....		.1
224.....	BD-12G-2-24.....	SET SCREW.....	M16×1.5×12.....	.2
225.....	BD-12G-2-25.....	COLLAR.....		.1
226.....	BD-12G-2-26.....	RIGHT PLUG.....		.1
227.....	BD-12G-2-27.....	SHAFT.....		.1
228.....	BD-12G-2-28.....	BEARING.....	815.....	.1
229.....	BD-12G-2-29.....	BEARING.....	8075.....	.1
230.....	BD-12G-2-30.....	GEAR.....		.1
231.....	BD-12G-28.....	SNAP RING.....	Φ15.....	.2
232.....	BD-12G-2-32.....	GEAR.....		.1
233.....	BD-12G-2-33.....	SHAFT.....		.1
234.....	BD-12G-29.....	KEY DIN 6885.....	4×25.....	.1
235.....	BD-12G-30.....	KEY DIN 6885.....	4×8.....	.2
236.....	BD-12G-2-36.....	GEAR.....		.1
237.....	BD-12G-31.....	SET SCREW.....	ISO4028-M6X10.....	.2
238.....	BD-12G-2-38.....	SHAFT.....		.1
239.....	BD-12G-32.....	KEY DIN 6885.....	4×50.....	.1
240.....	BD-12G-33.....	KEY DIN 6885.....	4×20.....	.1
241.....	BD-12G-2-41.....	BEARING.....	1615.....	.1
242.....	BD-12G-2-42.....	GEAR.....		.1
243.....	BD-12G-34.....	SNAP RING.....	Φ16.....	.1
244.....	BD-12G-2-44.....	BEARING.....	1610.....	.1
245.....	BD-12G-35.....	LEFT PLUG.....		.1
246.....	BD-12G-2-46.....	FORK.....		.1
247.....	BD-12G-2-47.....	BRACKET.....		.3
248.....	BD-12G-36.....	PIN.....	DIN 1481 Φ3×20.....	.3
249.....	BD-12G-2-49.....	SHAFT.....		.2

BD-12G Parts List for Breakdown -2

Index	Part			
No.	No.	Description	Size	Qty.
250.....	BD-12G-37.....	O-RING.....	1800690.....	.3
251.....	BD-12G-2-51.....	FORK.....		.1
252.....	BD-12G-2-52.....	GEAR.....		.1
253.....	BD-12G-38.....	SNAP RING.....	Φ10.....	.1
254.....	BD-12G-2-54.....	BEARING.....	1010.....	.2
255.....	BD-12G-2-55.....	GEAR.....		.1
256.....	BD-12G-2-56.....	RIGHT PLUG.....		.1
257.....	BD-12G-2-57.....	DIALS BLOCK.....		.1
258.....	BD-12G-2-58.....	GEARBOX COVER.....		.1
259.....	BD-12G-39.....	PIN.....	DIN 1481 Φ5×40.....	.3
260.....	BD-12G-2-60.....	KNOB BASE.....		.3
261.....	BD-12G-2-61.....	KONB.....		.3
262.....	BD-12G-2-62.....	LABEL.....		.3
263.....	BD-12G-40.....	BALL.....	Φ5.....	.6
264.....	BD-12G-2-64.....	SPRING.....	0.8×4×16.....	.3
265.....	BD-12G-41.....	SOCKET HD SCREW.....	DIN912 M6×12.....	.3
266.....	BD-12G-2-66.....	LABEL.....		.1
267.....	BD-12G-2-67.....	OIL SIGHT.....		.1
268.....	BD-12G-42.....	SOCKET HD SCREW.....	DIN912 M3×16.....	.4
269.....	BD-12G-43.....	SOCKET HD SCREW.....	DIN912 M5×16.....	.5
270.....	BD-12G-2-70.....	SHAFT.....		.1

BD-12G Assembly Breakdown -3



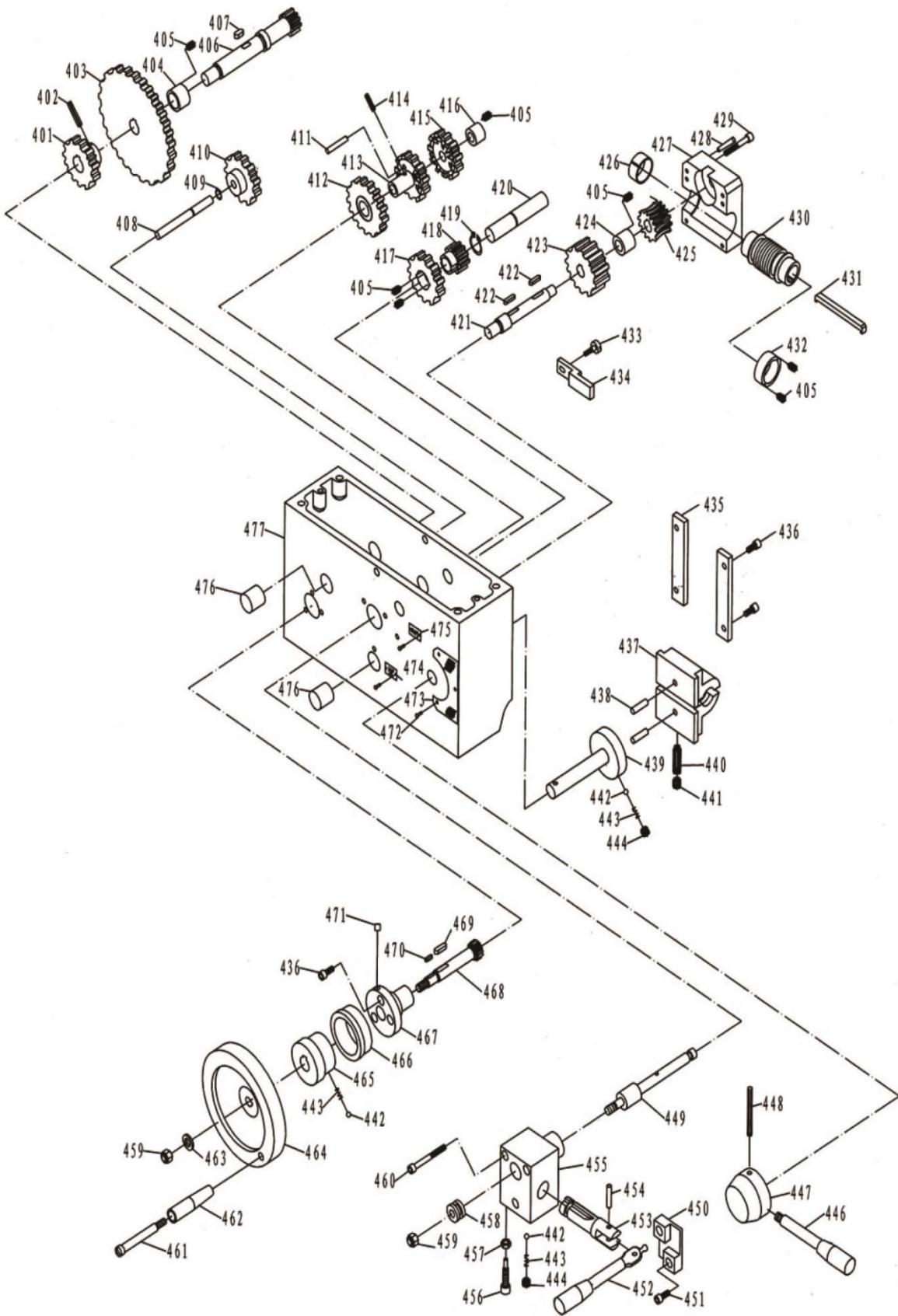
BD-12G Parts List for Breakdown -3

Index	Part		Size	Qty.
No.	No.	Description		
301.....	BD-12G-3-01.....	SCREW.....	DIN912 M8×30.....	.8
302.....	BD-12G-3-02.....	HANDLE BASE.....		1
303.....	BD-12G-3-03.....	HANDLE.....		1
305.....	BD-12G-3-05.....	WASHER.....		1
306.....	BD-12G-3-06.....	POST BASE.....		1
307.....	BD-12G-3-07.....	STOP.....		1
308.....	BD-12G-3-08.....	SPRING.....	7×0.8×11.....	1
309.....	BD-12G-3-09.....	TOP SLIDE.....		1
310.....	BD-12G-3-10.....	GIB.....		1
311.....	BD-12G-3-11.....	OILLESS BEARING.....	1210.....	2
312.....	BD-12G-3-12.....	HUB.....		1
313.....	BD-12G-3-13.....	INDEX RING.....		1
314.....	BD-12G-44.....	SOCKET HD SCREW.....	DIN 912 M6×20.....	2
315.....	BD-12G-45.....	BALL.....	Φ5.....	1
316.....	BD-12G-3-16.....	SPRING.....	1.5×0.5×6.5.....	1
317.....	BD-12G-3-17.....	INDEX BASE.....		1
318.....	BD-12G-46.....	PIN.....	DIN 1481 Φ3×16.....	2
319.....	BD-12G-3-19.....	LEVER.....		1
320.....	BD-12G-3-20.....	LEVER.....		2
321.....	BD-12G-3-21.....	LEVER SHAFT.....		2
322.....	BD-12G-3-22.....	BLOCK.....		1
323.....	BD-12G-3-23.....	SCREW.....		1
324.....	BD-12G-47.....	PLUG.....		3
325.....	BD-12G-48.....	SET SCREW	DIN912 M6×10.....	3
326.....	BD-12G-49.....	OIL BALL.....	Φ6.....	7
327.....	BD-12G-50.....	SOCKET HD SCREW.....	DIN 912 M8×10.....	1
328.....	BD-12G-3-28.....	CROSS SLIDE.....		1
329.....	BD-12G-51.....	PULG.....		4
330.....	BD-12G-52.....	HEX NUT.....	DIN439 M6.....	8
331.....	BD-12G-53.....	SOCKET HD SCREW.....	DIN 912 M6×30.....	4
332.....	BD-12G-3-32.....	BLOCK.....		1
333.....	BD-12G-54.....	SOCKET HD SCREW.....	DIN912 M4×8.....	2
334.....	BD-12G-55.....	SOCKET HD SCREW.....	DIN 912 M5×6.....	1
335.....	BD-12G-3-35.....	SADDLE.....		1
336.....	BD-12G-3-36.....	WIPER.....		2
337.....	BD-12G-3-37.....	PLATE.....		2
338.....	BD-12G-56.....	SOCKET HD SCREW.....	DIN 912 M4×18.....	8
339.....	BD-12G-3-39.....	WIPER.....		2
340.....	BD-12G-3-40.....	PLATE.....		2
341.....	BD-12G-3-41.....	STRIP.....		1
342.....	BD-12G-57.....	SOCKET HD SCREW.....	DIN 912 M8×30.....	4
343.....	BD-12G-3-43.....	STRIP.....		1
344.....	BD-12G-3-44.....	STRIP.....		1
345.....	BD-12G-3-45.....	BRACKET.....		1
346.....	BD-12G-58.....	SOCKET HD SCREW.....	DIN 912 M5×20.....	3
347.....	TBB-51101.....	BEARING.....	51101.....	2
348.....	BD-12G-3-48.....	COLLAR.....		1
349.....	BD-12G-3-49.....	INDEX RING.....		1

BD-12G Parts List for Breakdown -3

Index	Part		Size	Qty.
No.	No.	Description		
350.....	BD-12G-3-50.....	HANDWHEEL.....		1
351.....	BD-12G-3-51.....	WASHER.....		1
352.....	BD-12G-59.....	SOCKET HD SCREW.....	DIN 912 M5×10.....	1
353.....	BD-12G-3-53.....	SPRING.....		1
354.....	BD-12G-60.....	SOCKET HD SCREW.....	DIN 912 M5×20.....	3
355.....	BD-12G-3-55.....	KEY.....	DIN 6885 4X8.....	1
356.....	BD-12G-3-56.....	HEADSCREW.....		1
357.....	BD-12G-3-57.....	GIB.....		1
358.....	BD-12G-61.....	SOCKET HD SCREW.....	DIN 912 M12×30.....	2
359.....	BD-12G-62.....	SOCKET HD SCREW.....	DIN 912 M8×40.....	2
360.....	BD-12G-63.....	PIN.....	DIN 1481 Φ4×20.....	1
361.....	BD-12G-3-61.....	GRADUATED COLLAR.....		1
362.....	BD-12G-3-62.....	T-BOLT.....	M10×30.....	2
363.....	BD-12G-3-63.....	CLAMPING RING.....		1
364.....	BD-12G-64.....	NUT.....	DIN439 M10.....	2
365.....	BD-12G-3-65.....	BOLT.....		1
366.....	BD-12G-65.....	SOCKET HD SCREW.....	DIN 912 M6×16.....	8
367.....	BD-12G-66.....	PLUG.....		4
368.....	BD-12G-3-68.....	SWIVEL BASE.....		1
369.....	BD-12G-67.....	KEY.....	DIN 6885 4×10.....	1
370.....	BD-12G-3-70.....	GEAR.....		1
371.....	BD-12G-68.....	SOCKET HD SCREW.....	DIN 912 M5×16.....	1
372----	BD12G-372.....	SUPPORT.....		1
373----	BD12G-373.....	SOCKET HD SCREW.....	M5 × 12 mm.....	2
374----	BD12G-374.....	CROSS RECESSED FLAT HD SCREW.....	M5 × 6 mm.....	2
375----	BD12G-375.....	SHAFT.....		1
376----	BD12G-376.....	CHIP SHIELD.....		1
377----	BD12G-377.....	HEX SLEEVE.....		1
378----	BD12G-378.....	SOCKET HD SCREW.....	M3 × 8 mm.....	1
379----	BD12G-379.....	SOCKET HD SCREW.....	M3 × 6 mm.....	2

BD-12G Assembly Breakdown -4



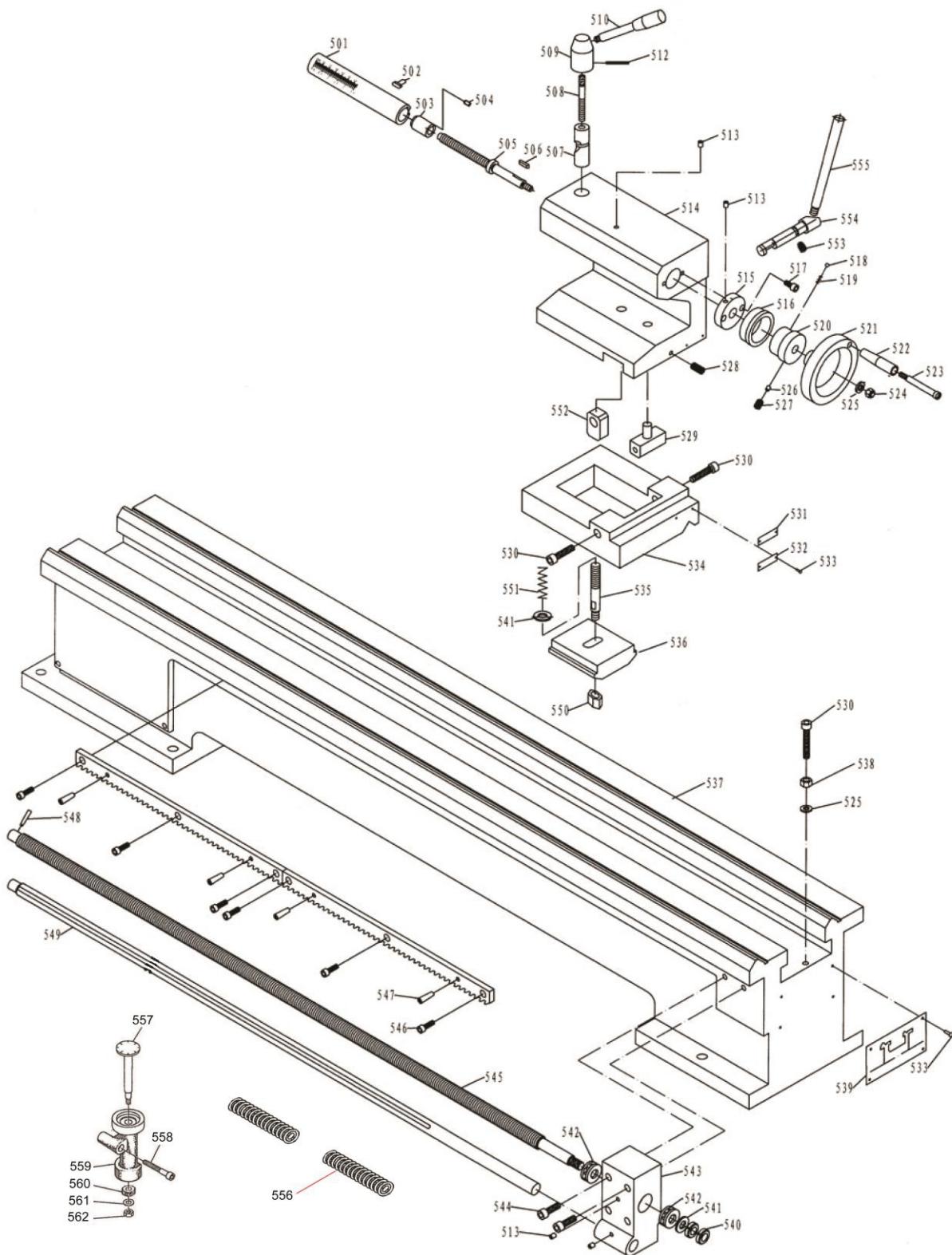
BD-12G Parts List for Breakdown -4

Index	Part			
No.	No.	Description	Size	Qty.
401.....	BD-12G-4-01.....	GEAR.....		1
402.....	BD-12G-69.....	PIN.....	DIN 1481 Φ 5×24.....	1
403.....	BD-12G-4-03.....	GEAR.....		1
404.....	BD-12G-4-04.....	WASHER.....		1
405.....	BD-12G-70.....	SOCKET HD SCREW.....	DIN912 M4×8.....	7
406.....	BD-12G-4-06.....	GEAR SHAFT.....		1
407.....	BD-12G-71.....	KEY.....	DIN 6885 4X8.....	1
408.....	BD-12G-4-08.....	SHAFT.....		1
409.....	BD-12G-72.....	SNAP RING.....	DIN 127 Φ 8.....	1
410.....	BD-12G-4-10.....	GEAR.....		1
411.....	BD-12G-4-11.....	SHAFT.....		3
412.....	BD-12G-4-12.....	GEAR.....		1
413.....	BD-12G-4-13.....	GEAR.....		1
414.....	BD-12G-73.....	PIN.....	DIN 1481 Φ 4×16.....	1
415.....	BD-12G-4-15.....	GEAR.....		1
416.....	BD-12G-4-16.....	WASHER.....		1
417.....	BD-12G-4-17.....	GEAR.....		1
418.....	BD-12G-4-18.....	GEAR.....		1
419.....	BD-12G-74.....	SNAP RING.....	DIN 127- Φ 15.....	1
420.....	BD-12G-4-20.....	SHAFT.....		1
421.....	BD-12G-4-21.....	SHAFT.....		1
422.....	BD-12G-75.....	KEY.....	DIN 6885-5×14.....	2
423.....	BD-12G-4-23.....	GEAR.....		1
424.....	BD-12G-4-24.....	WASHER.....		1
425.....	BD-12G-4-25.....	WORM.....		1
426.....	BD-12G-4-26.....	BEARING.....	2501.....	1
427.....	BD-12G-4-27.....	WORM BASE.....		1
428.....	BD-12G-76.....	PIN.....	DIN 1481- Φ 4×20.....	2
429.....	BD-12G-77.....	SOCKET HD SCREW.....	DIN 912-M4×30.....	4
430.....	BD-12G-4-30.....	WORM		1
431.....	BD-12G-78.....	KEY.....		1
432.....	BD-12G-4-32.....	WASHER.....		1
433.....	BD-12G-4-33.....	SET SCREW.....	DIN 912-M4×8.....	2
434.....	BD-12G-4-34.....	PLATE.....		1
435.....	BD-12G-4-35.....	PLATE.....		2
436.....	BD-12G-79.....	SOCKET HD SCREW.....	DIN 912-M5×12.....	7
437.....	BD-12G-4-37.....	HALF NUT.....		1
438.....	BD-12G-80.....	PIN.....	DIN 1481- Φ 6×18.....	2
439.....	BD-12G-4-39.....	CAM SHAFT.....		1
440.....	BD-12G-81.....	SOCKET HD SCREW.....	DIN 912-M6×20.....	1
441.....	BD-12G-82.....	SOCKET HD SCREW.....	DIN 912-M6×8.....	1
442.....	BD-12G-83.....	BALL.....	Φ 5.....	3
443.....	BD-12G-4-43.....	SPRING.....	0.7×4×10.....	3
444.....	BD-12G-84.....	SOCKET HD SCREW.....	DIN912-M6×6.....	2
446.....	BD-12G-4-46.....	HANDLE.....		1
447.....	BD-12G-4-47.....	HANDLE BASE.....		1
448.....	BD-12G-85.....	PIN.....	DIN 1481- Φ 5×45.....	1
449.....	BD-12G-4-49.....	SHAFT.....		1

BD-12G Parts List for Breakdown -4

Index	Part			
No.	No.	Description	Size	Qty.
450.....	BD-12G-4-50.....	BASE.....		1
451.....	BD-12G-86.....	SOCKET HD SCREW.....	DIN 912-M5×10.....	6
452.....	BD-12G-4-52.....	SHAFT HANDLE.....		1
453.....	BD-12G-4-53.....	SHAFT FORX.....		1
454.....	BD-12G-87.....	PIN.....	DIN 1481-Φ5×20.....	1
455.....	BD-12G-4-55.....	BASE.....		1
456.....	BD-12G-88.....	SOCKET HD SCREW.....	DIN912-M6X20.....	1
457.....	BD-12G-89.....	NUT	DIN439-M6.....	1
458.....	BD-12G-4-58.....	SHIFT LEVER.....		1
459.....	BD-12G-90.....	NUT	DIN439-M8.....	2
460.....	BD-12G-91.....	SOCKET HD SCREW.....	DIN 912-M5×35.....	2
461.....	BD-12G-4-61.....	SHAFT HANDLE.....		1
462.....	BD-12G-4-62.....	KNOB.....		1
463.....	BD-12G-92.....	WASHER	DIN6340-Φ 8.....	1
464.....	BD-12G-4-64.....	HANDWHEEL.....		1
465.....	BD-12G-4-65.....	SHAFT.....		1
466.....	BD-12G-4-66.....	GRADUATED COLLAR.....		1
467.....	BD-12G-4-67.....	BRACKET.....		1
468.....	BD-12G-4-68.....	SHAFT.....		1
469.....	BD-12G-93.....	KEY	DIN 6885-5×14.....	1
470.....	BD-12G-94.....	KEY.....	DIN 6885-3×10.....	1
471.....	BD-12G-95.....	OIL BALL.....	Φ 6.....	1
472.....	BD-12G-96.....	RIVET.....	Φ 2×6.....	3
473.....	BD-12G-4-73.....	PLATE.....		1
474.....	BD-12G-4-74.....	PLATE.....		1
475.....	BD-12G-4-75.....	PLATE.....		1
476.....	BD-12G-4-76.....	COLLAR.....		1
477.....	BD-12G-4-77.....	APRON.....		1

BD-12G Assembly Breakdown -5

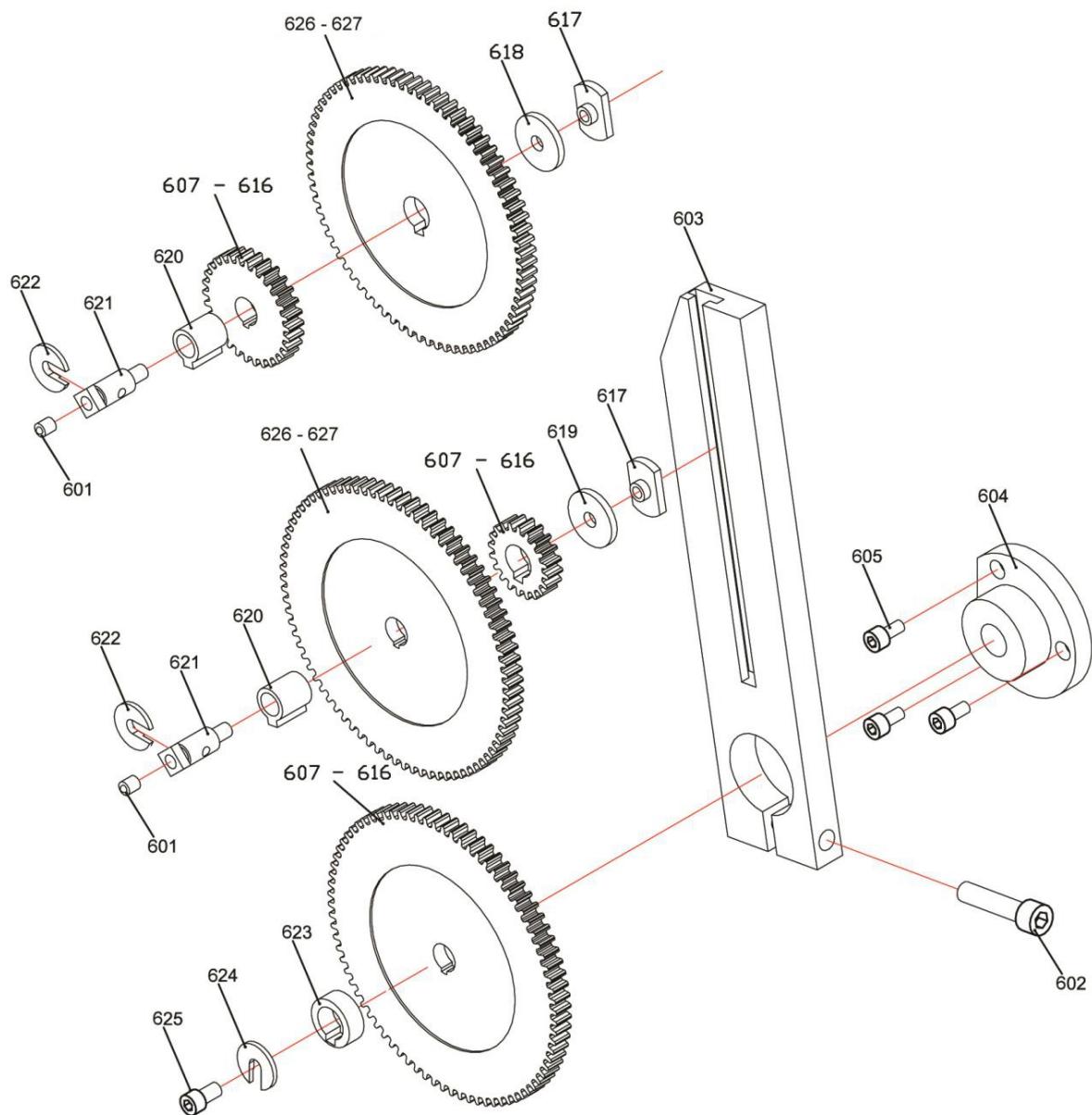


BD-12G Parts List for Breakdown -5

Index	Part No.	Description	Size	Qty.
501.....	BD-12G-5-01.....	QUILL.....		1
502.....	BD-12G-97.....	KEY.....		1
503.....	BD-12G-5-03.....	NUT.....		1
504.....	BD-12G-98.....	SOCKET HD SCREW.....	DIN912-M6×10.....	1
505.....	BD-12G-5-05.....	SCREW.....		1
506.....	BD-12G-99.....	KEY	DIN 6885-4×10.....	1
507.....	BD-12G-5-07.....	PIVOT BLOCK.....		1
508.....	BD-12G-5-08.....	SCREW.....		1
509.....	BD-12G-5-09.....	HANDLE BASE.....		1
510.....	BD-12G-5-10.....	HANDLE.....		1
512.....	BD-12G-100.....	PIN.....	DIN 1481-Φ3×30.....	1
513.....	BD-12G-101.....	OIL BALL.....	Φ6.....	4
514.....	BD-12G-5-14.....	TAILSTOCK BODY.....		1
515.....	BD-12G-5-15.....	FLANGE COVER.....		1
516.....	BD-12G-5-16.....	INDEX RING.....		1
517.....	BD-12G-102.....	SOCKET HD SCREW.....	DIN 912-M6×10.....	2
518.....	BD-12G-103.....	BALL.....	Φ4.....	1
519.....	BD-12G-5-19.....	SPRING.....	Φ4×1×6.....	1
520.....	BD-12G-5-20.....	SLEEVE.....		1
521.....	BD-12G-5-21.....	HANDWHEEL.....		1
522.....	BD-12G-5-22.....	KONB.....		1
523.....	BD-12G-5-23.....	SCREW.....		1
524.....	BD-12G-104.....	NUT	DIN439-M8.....	1
525.....	BD-12G-105.....	WASHER.....	DIN6340-Φ8.....	6
526.....	BD-12G-5-26.....	BRAKE BLOCK.....		1
527.....	BD-12G-106.....	SOCKET HD SCREW.....	DIN 912-M6×10.....	1
528.....	BD-12G-107.....	SOCKET HD SCREW.....	DIN 912-M6×16.....	1
529.....	BD-12G-5-29.....	SET SCREW.....		1
530.....	BD-12G-108.....	SOCKET HD SCREW.....	DIN 912-M8×40.....	3
531.....	BD-12G-5-31.....	PLATE.....		1
532.....	BD-12G-5-32.....	PLATE.....		1
533.....	BD-12G-109.....	RIVET.....	Φ 2×6.....	8
534.....	BD-12G-5-34.....	BASE.....		1
535.....	BD-12G-5-35.....	BOLT.....		1
536.....	BD-12G-5-36.....	CLAMPING PLATE.....		1
537.....	BD-12G-5-37.....	BED.....		1
538.....	BD-12G-110.....	NUT	DIN439-M8.....	5
539.....	BD-12G-5-39.....	PLATE.....		1
540.....	BD-12G-111.....	NUT	DIN1804-M12×1.25.....	2
541.....	BD-12G-112.....	WASHER	DIN6340-Φ 12.....	2
542.....	TBB-51102.....	BEARING.....	51102.....	2
543.....	BD-12G-5-43.....	BRACKET.....		1
544.....	BD-12G-113.....	SOCKET HD SCREW.....	DIN 912-M8×20.....	2
545.....	BD-12G-5-45.....	FEED SHAFT.....		1
546.....	BD-12G-114.....	SOCKET HD SCREW.....	DIN 912-M6×15.....	6
547.....	BD-12G-115.....	PIN	DIN 1481-Φ6×22.....	4
548.....	BD-12G-116.....	PIN	DIN 1481-Φ4×22.....	1
549.....	BD-12G-5-49.....	SHAFT.....		1
550.....	BD-12G-117.....	NUT	DIN439-M12.....	1
551.....	BD-12G-5-51.....	SPRING.....	Φ13×1×62.....	1
552.....	BD-12G-5-52.....	BRAKE BLOCK.....		1
553.....	BD-12G-118.....	SOCKET HD SCREW.....	DIN912-M6×10.....	1
554.....	BD-12G-5-54.....	SHAFT.....		1
555.....	BD-12G-5-55.....	HANDLE.....		1
556.....	lead screw protective.....	65Mn.....		2
557.....	shaft.....	45.....		1
558.....	Hexagon socket Screw M6×70.....		GB7085.....	1

559.....Disorderly buckle plate holder.....	HT200.....	1
560.....Gear.....	45.....	1
561.....WASHER 8.....	GB5287.....	1
562.....HEX NUT M8.....	GB6170.....	1

BD-12G Assembly Breakdown -6

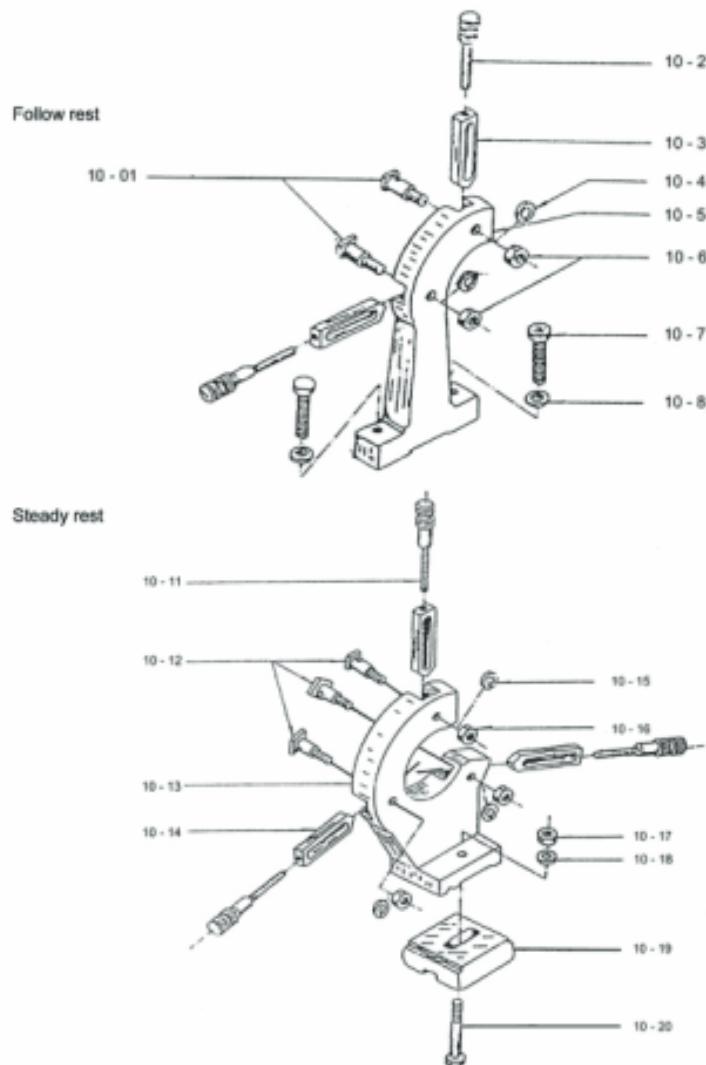


BD-12G Parts List for Breakdown -6

Index	Part	Description	Size	Qty.
No.	No.			
601.....	BD-12G-119.....	BALL OILER.....	Φ6.....	2
602.....	BD-12G-120.....	SOCKET HD SCREW.....	M8 × 35 mm.....	1
603.....	BD-12G-6-03.....	RAIL.....		1
604.....	BD-12G-6-04.....	BRACKET.....		1
605.....	BD-12G-121.....	SOCKET HD SCREW.....	M5 × 10 mm.....	3
607.....	BD-12G-6-07.....	GEAR.....	85.....	1
608.....	BD-12G-6-08.....	GEAR.....	80.....	1
609.....	BD-12G-6-09.....	GEAR.....	75.....	1
610.....	BD-12G-6-10.....	GEAR.....	70.....	1
611.....	BD-12G-6-11.....	GEAR.....	65.....	1
612.....	BD-12G-6-12.....	GEAR.....	60.....	2
613.....	BD-12G-6-13.....	GEAR.....	50.....	1
614.....	BD-12G-6-14.....	GEAR.....	45.....	1
615.....	BD-12G-6-15.....	GEAR.....	30.....	1
616.....	BD-12G-6-16.....	GEAR.....	20.....	1
617.....	BD-12G-6-17.....	T-NUT.....	M5.....	2
618.....	BD-12G-6-18.....	SPACER.....	1.5 mm.....	1
619.....	BD-12G-6-19.....	SPACER.....	3 mm.....	1
620.....	BD-12G-6-20.....	KEY SLEEVE.....		2
621.....	BD-12G-6-21.....	THREADED SHAFT.....		2
622.....	BD-12G-6-22.....	C-WASHER.....		2
623.....	BD-12G-6-23.....	COLLAR.....		1
624.....	BD-12G-6-24.....	C-WASHER.....		1
625.....	BD-12G-6-25.....	SOCKET HD SCREW.....	M6 × 10 mm.....	1
626.....	BD-12G-6-26.....	GEAR.....	90.....	1
627.....	BD-12G-6-27.....	GEAR.....	40.....	1

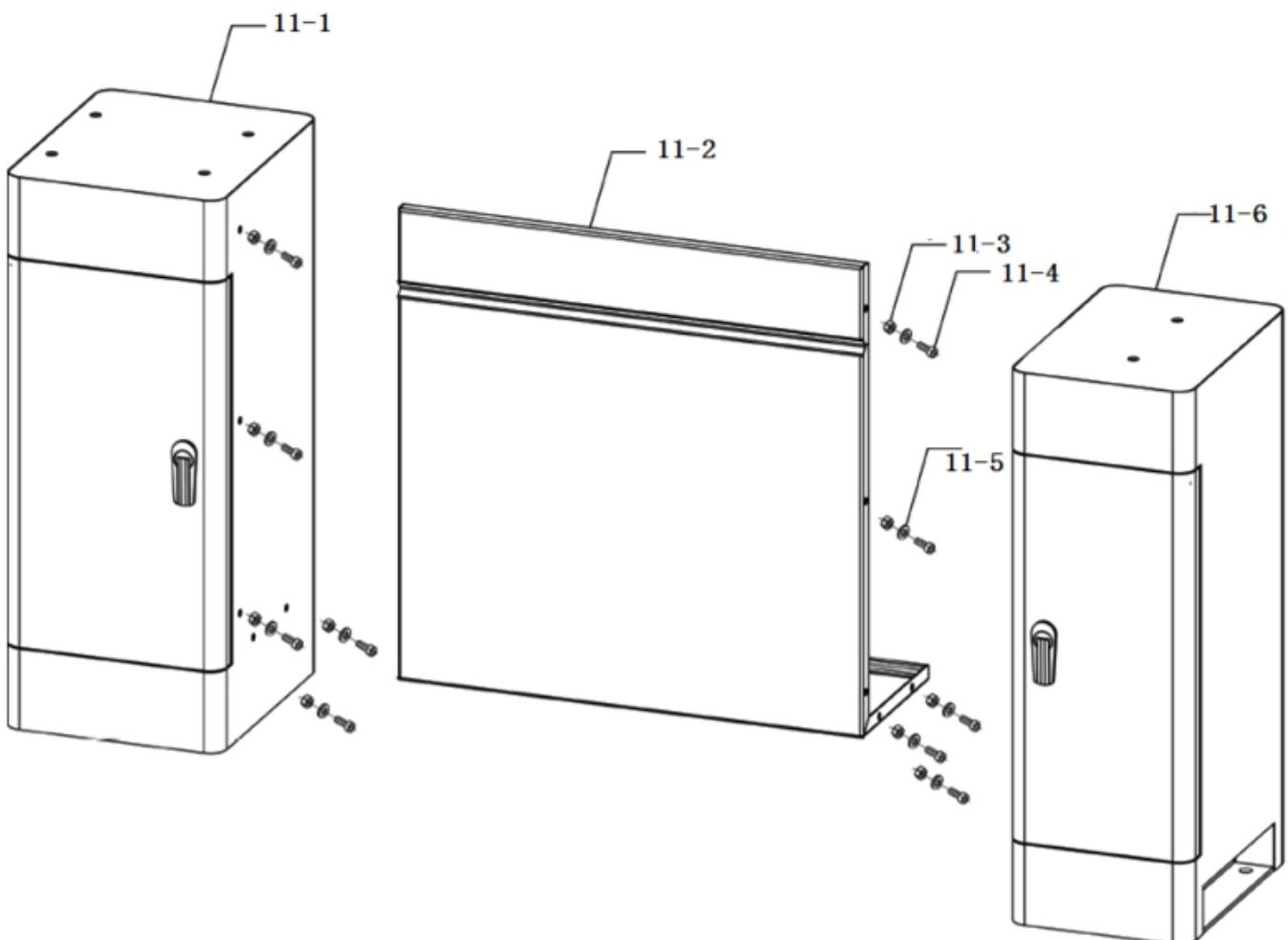
BD-12G Parts List for Breakdown -7

Follow and steady rest



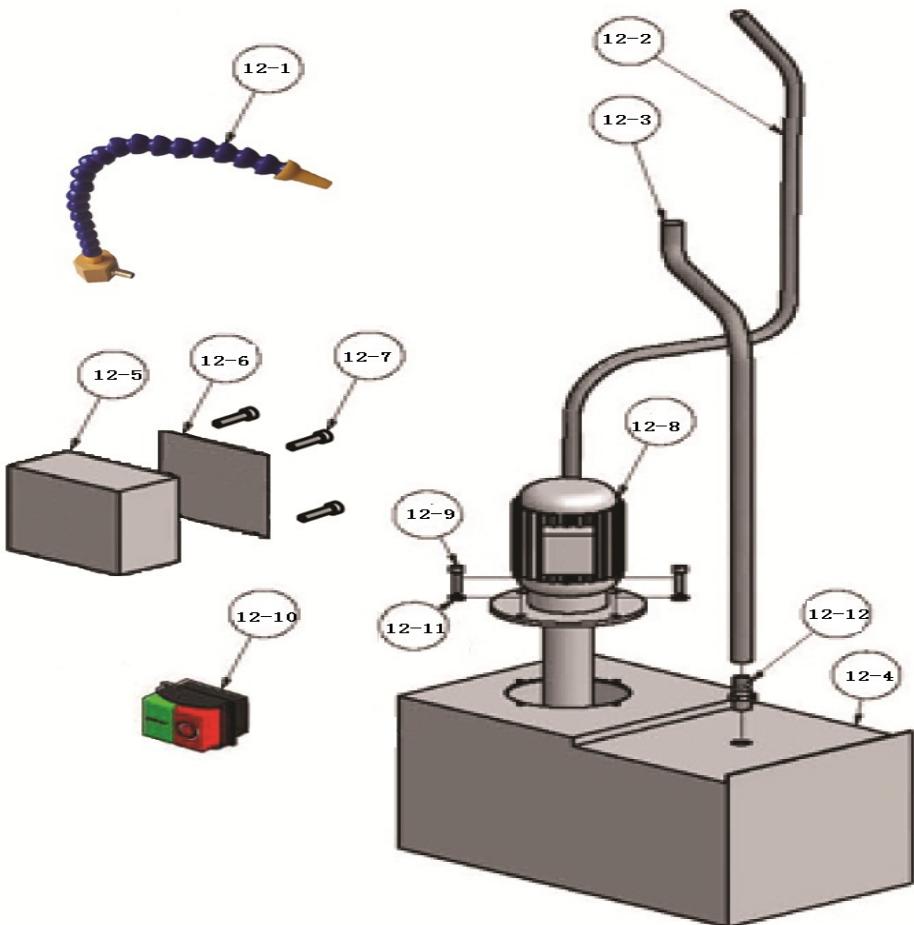
Index	Part No.	Description	Size	Qty.
10-01	BD-12G-10-01	Screw.....		.2
10-02	BD-12G-10-02	Tightening screw.....		.2
10-03	BD-12G-10-03	Slide jaw.....		.2
10-04	BD-12G-10-04	Lock washer.....	10.....	.2
10-05	BD-12G-10-05	Rest frame.....		.1
10-06	BD-12G-10-06	Nut...M10.....	2	
10-07	BD-12G-10-07	Screw.....	M8X30.....	.2
10-08	BD-12G-10-08	Washer.....	8.....	.2
10-09	BD-12G-10-11	Slide jaw.....		.3
10-10	BD-12G-10-12	Screw.....		.1
10-11	BD-12G-10-13	Rest frame.....		.3
10-12	BD-12G-10-14	Slide jaw.....		.3
10-13	BD-12G-10-15	lock washer.....	10.....	.3
10-14	BD-12G-10-16	NUT..M10.....	3	
10-15	BD-12G-10-17	NUT..M12.....	1	
10-16	BD-12G-10-18	Washer.....	12.....	.1
10-17	BD-12G-10-19	clamping claw.....		.1
10-18	BD-12G-10-20	screwM12x70.....	1	

BD-12G Parts List for Breakdown -8



Index No.	Part No.	Description	Size	Qty.
11-1----BD-12G-11-1.....		Left stand.....		1
11-2----BD-12G-11-2.....		Connection plate.....		1
11-3----BD-12G-11-3.....		HEX NUT.....	GB617086-M8.....	10
11-4----BD-12G-11-4.....		SOCKET HD SCREW.....	GB7085-M8X16.....	10
11-5----BD-12G-11-5.....		WASHER	GB5287-8.....	10
11-6----BD-12G-11-6.....		Right stand.....		1

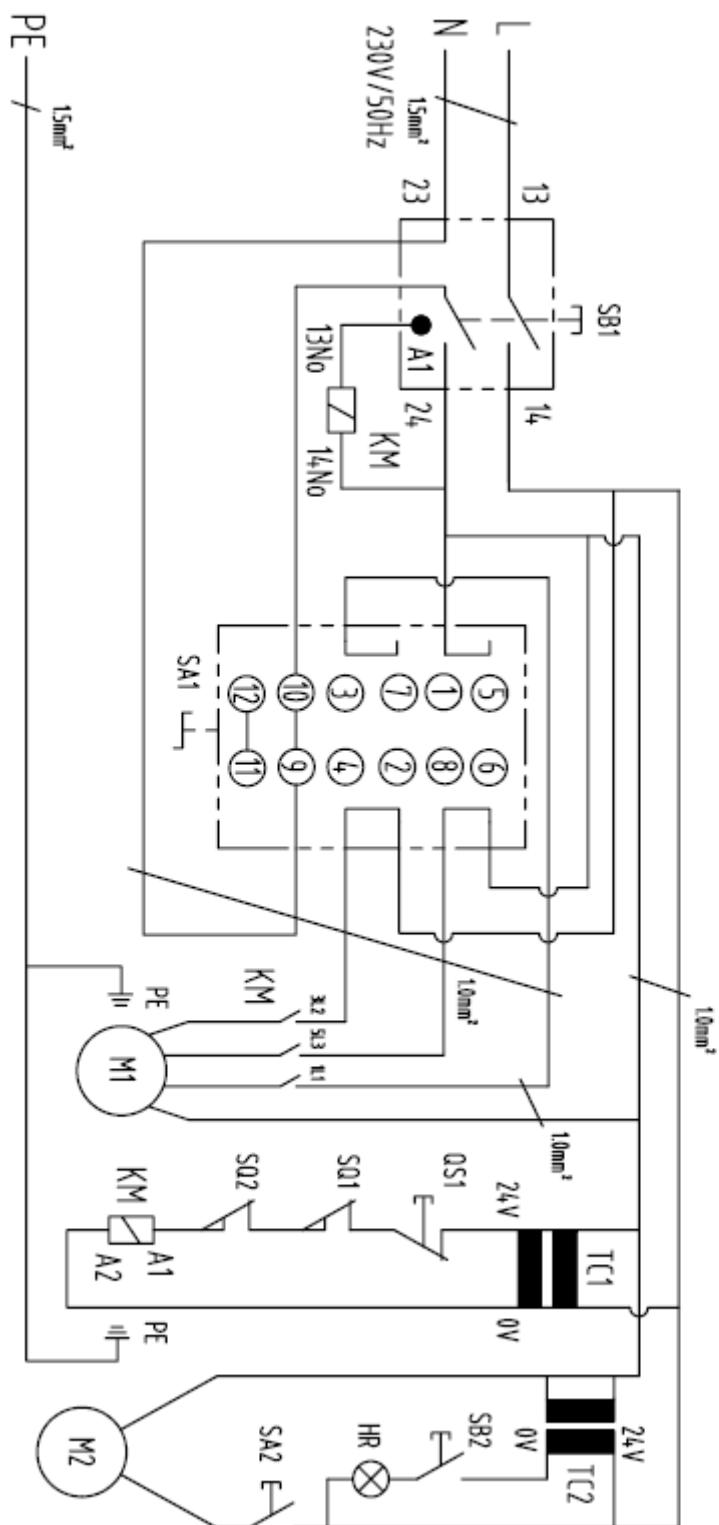
BD-12VS Parts List for Breakdown -9



Index No.	Part No.	Description	Size	Qty.
12-1----BD-12VS-12-1.....	nozzle.....			1
12-2----BD-12VS-12-2.....	outlet pipe.....		10.....	1
12-3----BD-12VS-12-3.....	return pipe.....		25.....	1
12-4----BD-12VS-12-4.....	water tank.....			1
12-5----BD-12VS-12-5.....	electrical box.....			1
12-6----BD-12VS-12-6.....	electrical box cover.....			1
12-7----BD-12VS-12-7.....	socket HD screw.....	GB7085-M5X30.....	4	
12-8----BD-12VS-12-8.....	cooling pump.....			1
12-9----BD-12VS-12-9.....	socket HD screw.....	GB7085-M5X12.....	4	
12-10----BD-12VS-12-10.....	switch.....	KJD17B.....	1	
12-11----BD-12VS-12-11.....	washer.....	GB5287-5.....	4	
12-12----BD-12VS-12-12.....	hose clip.....			1

1. 16.0 Wiring Diagrams

BD-12G1~230V, PE, 50Hz



BD-12G Electrical Parts List

ITEM	DESCRIPTION	TYPE	SPECIFICATION	Qty.	Note
SB1	Magnetic Contactor	KJD17GF	IP-55 AC-1 18A Ue250V AC-3 15A CE	1	
SA1	Fwd/0/Rev - Switch	ZH-A	Ue 250V IEN 12A 5E4 CE	1	
KM	Contactor	LC1K0910	UI 690V IEN 20A CE	1	
TC1	Transformer	230V/24V/20VA	20VA 230VAC CE	1	
TC2	Transformer	230V-24V/20VA	20VA 230VAC CE	1	Optional
QS1	Emergency stop	LAY5	AE-15 240V IEN 10A CE	1	
SQ1	Gear Guard Switch	QKS8	AC-15 14A 250V IP54 CE	1	
SQ2	Chuck Guard Switch	LXW5-11Q1	AC-15 3A IP62 Ue380V CE	1	
SB2	Light Switch	KCD1-101	6A AC250V CE	1	Optional
HR	Work light	24V	5W AC12-24V CE	1	Optional
SA2	Pump Switch	LAY5-BE101	Ue220V IEN3.3A AC-15 CE	1	Optional
M1	Main Motor	YLJ90L4-12A	1.1Kw AC230V 6.4A IP54 CE	1	
M2	Pump	DB-12A	40W AV230V 0.9A IP54 CE	1	Optional