



Form 16587099  
Edition 1  
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# Air Grinder

## GVG21 Series

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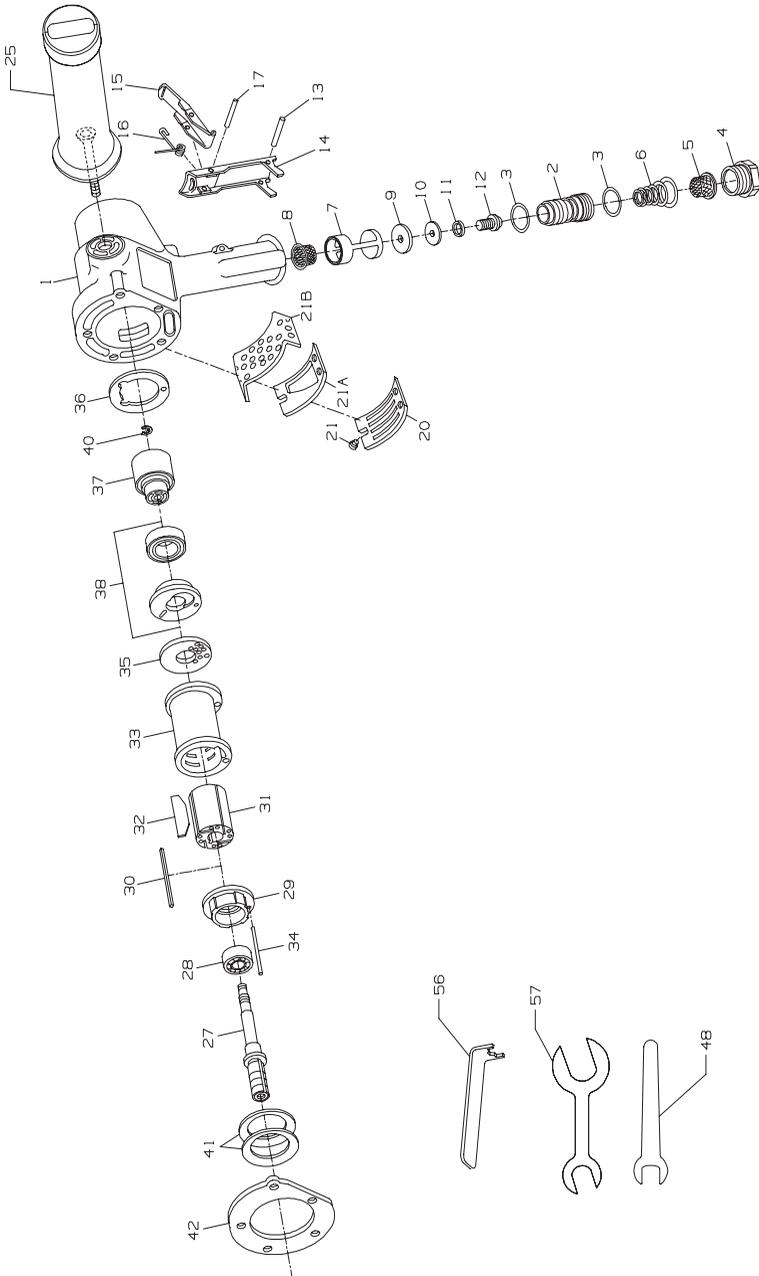
# Parts Information



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**GVG21 Series Air Grinder Exploded Diagram**



(Dwg. TPA731-4)

## GVG21 Series Air Grinder Parts List

Item	Part Description	Part Number	Items	Part Description	Part Number			
+	1	Cylinder Case Assembly	*	Warning Label				
		for GVG21A-06G-7		49845-101	for models ending in - EU	EU-99		
		for GVG21A-06G-9		49845-102	for all other models	WARNING-2-99		
		for GVG21A-06F-6		49845-103	Nameplate Screw	BN403-302		
		for GVG22A-08G-7		49845-104	20	Exhaust Deflector.	99V60-23	
		for GVG22M-09G-7		49845-105	21	Exhaust Deflector Screw (3)	99V60-200	
		for GVG21M-06G-7		49845-106	21A	Exhaust Diffuser (for GVG21A-06G-7, GVG21M-06G7, GVG22A-08G-7 and GVG22M-09G-7)		
		for GVG21M-06G-9		49845-107				
		for GVG21M-06F-6		49845-210				
		for GVG21M-06G-9-EU		49845-EU-107	21B	Exhaust Baffle (for GVG22A-08G-7 and GVG22M-09G-7)		
	for GVG22M-09G-7-EU	49845-EU-105		88V77-123				
	2	Throttle Valve Assembly		25	Dead Handle	ERG0-A48		
† ‡	3	Seal (2)		27	Arbor			
	4	Inlet Bushing			for GVG21A and GVG21M (Blue)	88V60-204-P10		
† ‡	5	Inlet Bushing Screen			for GVG22A (Green)	88V77-204-P10		
† ‡	6	Throttle Valve Spring			for GVG22M (Red)	88V85-204-P10		
	7	Throttle Valve Seat Support Assembly		28	Front Rotor Bearing	R380-105		
† ‡	8	Air Strainer Screen		29	Front End Plate	88V60-111		
† ‡	9	Valve Seat		‡ 30	Rotor Key	88V60-70		
	10	Valve Seat Washer		31	Rotor	88V60-53		
	11	Valve Screw Lock Washer		† ‡ 32	Vane Packet (set of 4 Vanes)	88V60-42-4		
	12	Valve Seat Screw		33	Cylinder	88V60-3		
†	13	Throttle Lever Pin		‡ 34	Cylinder Dowel	88V60-88		
	14	Locking Lever Assembly		35	Rear End Plate	88V60-12		
	15	Lever Lock		† ‡ 36	Rear End Plate Gasket	88V60-739		
	16	Lever Lock Spring		37	Controller Assembly			
	17	Lever Lock Pin				502B-120	for GVG21A and GVG21M (6000 rpm) (Blue)	88V60-A524
							for GVG22A (7700 rpm) (Green)	88V77-A524
*		Nameplate			for GVG22M (8500 rpm) (Red)	88V85-A524		
		for GVG21A-06G-7	49845-126	38	Rotor Bearing Seal Assembly	88V60-A28		
		for GVG21A-06G-9	49845-127	† 40	Controller Retaining Ring	88V60-118		
		for GVG21A-06F-6	49845-128	41	Motor Clamp Belleville Washer (2)	88V60-207		
		for GVG22A-08G-7	49845-129	† ‡ 42	Cylinder Case Gasket	88V60-283		
		for GVG22M-09G-7	49845-130					
		for GVG22M-09G-7-EU	49845-130-EU-301					
		for GVG21M-06G-7	49845-131					
		for GVG21M-06G-9	49845-132					
		for GVG21M-06G-9-EU	49845-132-EU-301					
	for GVG21M-06F-6	49845-133						

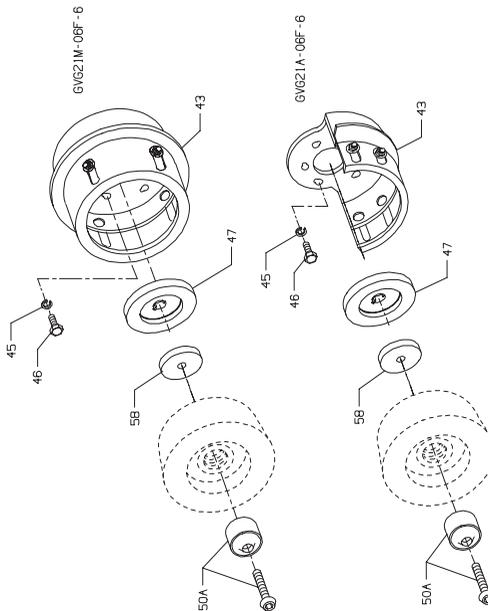
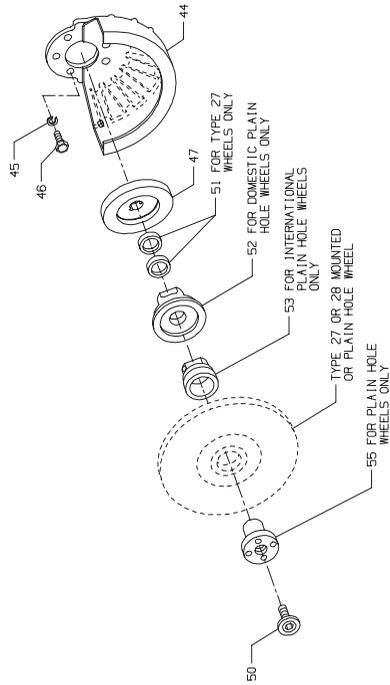
\* Not illustrated.

† Indicates Tune-up Kit part.

‡ To keep downtime to a minimum, it is desirable to have on hand certain repair parts. We recommend that you stock one (pair or set) of each part indicated by (‡) for every four tools in service.

+ Whenever a new Cylinder Case Assembly is installed, make certain the correct Nameplate is attached to the Cylinder Case with the Nameplate Screws.

**GVG21 Series Air Grinder Exploded Diagram (continued)**



(Dwg. TPA1431-2)

**GVG21 Series Air Grinder Parts List (continued)**

Item	Part Description	Part Number	Item	Part Description	Part Number
43	Cup Wheel Guard		55	Depressed Center Wheel Nut (for Plain Hole Wheels)	99V85-186
	for GVG21A 06F 6	88V60-A216			
	for GVG21M 06F 6	88V60-A216M			
44	Depressed Center Wheel Guard (for Type 27 or 28 Wheels)		56	Depressed Center Wheel Nut Spanner Wrench	D32-26
	for 9 diameter wheels	88V60-106-9	57	Disc Wheel Flange Wrench (for GVG21M and GVG22M)	7RAQT4-254
	for 7 diameter wheels	88V60-106-7			
45	Cylinder Case Screw Lock Washer (5)	10BM-67	58	Wheel Flange (for GVG21M 06F 6 and GVG21A 06F 6)	88V60-86A
46	Cylinder Case Screw (5)	99V60-638	*	Piped Away Exhaust Kit	88V60-K184
47	Autobalancer Assembly	99V60-A713	*	Exhaust Hose	99V60-184
48	Autobalancer Wrench	88V60-169	*	Exhaust Hose Clamp	DG30-67
50	Wheel Retaining Screw (for Type 27 and Type 28 Mounted Wheels and Type 28 Plain Hole Wheels)	99V60-219	*	Exhaust Elbow	88V60-167
			*	Exhaust Elbow Gasket	99V60-49
			*	Exhaust Elbow Screw (3)	FEA100-112
			*	Exhaust Hose Band Assembly	99V60-A927
50A	Wheel Retaining Screw Assembly (for Type 6 or Type 11 Cup Wheels)	99V60-A219C	*	Cap Screw (2)	JC3350-103
*	Wheel Retaining Screw Wrench	88V-562	*	Nut (6)	G8-120A
51	Depressed Center Wheel Spacer (for Type 27 Plain Hole Wheels) (2)	99V-286	*	Exhaust Hose Band (4)	99V60-927
			*	Screw (4)	MT1-36-7/8
			*	Tool Kit	88V60-K950
52	Depressed Center Wheel Flange (for 7 and 9 diameter Type 27 and Type 28 Plain Hole Wheels)	99V60-386	*	Controller Wrench	88V60-950
			*	Seal Pressing Tool	99V60-951
			*	Bearing Clamp Assembly	99V60-A952
53	Depressed Center Wheel Flange Assembly (for 180 mm and 230 mm diameter Type 27 Plain Hole Depressed Center Wheels)	99V60-386-M	*	Deflector Screw Wrench	R2J-562
			*	Tune up Kit (includes illustrated parts: 3 [2], 5, 6, 9, 32, 36, 40 and 42)	88V/88H-TK3

\* Not Illustrated

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## **Parts and Maintenance**

When the life of the tool has expired, it is recommended that the tool be disassembled, degreased and parts be separated by material so that they can be recycled.

Tool repair and maintenance should only be carried out by an authorized Service Center.  
Refer all communications to the nearest **Ingersoll-Rand** Office or Distributor.

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## **Related Documentation**

For additional information refer to:  
Air Grinder Product Safety Information Manual 04584959,  
Air Grinder Product Information Manual 16573222 and  
Air Grinder Maintenance Information Manual 16587107.

Manuals can be downloaded from [www.irttools.com](http://www.irttools.com).

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**Notes**



[www.irtools.com](http://www.irtools.com)

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