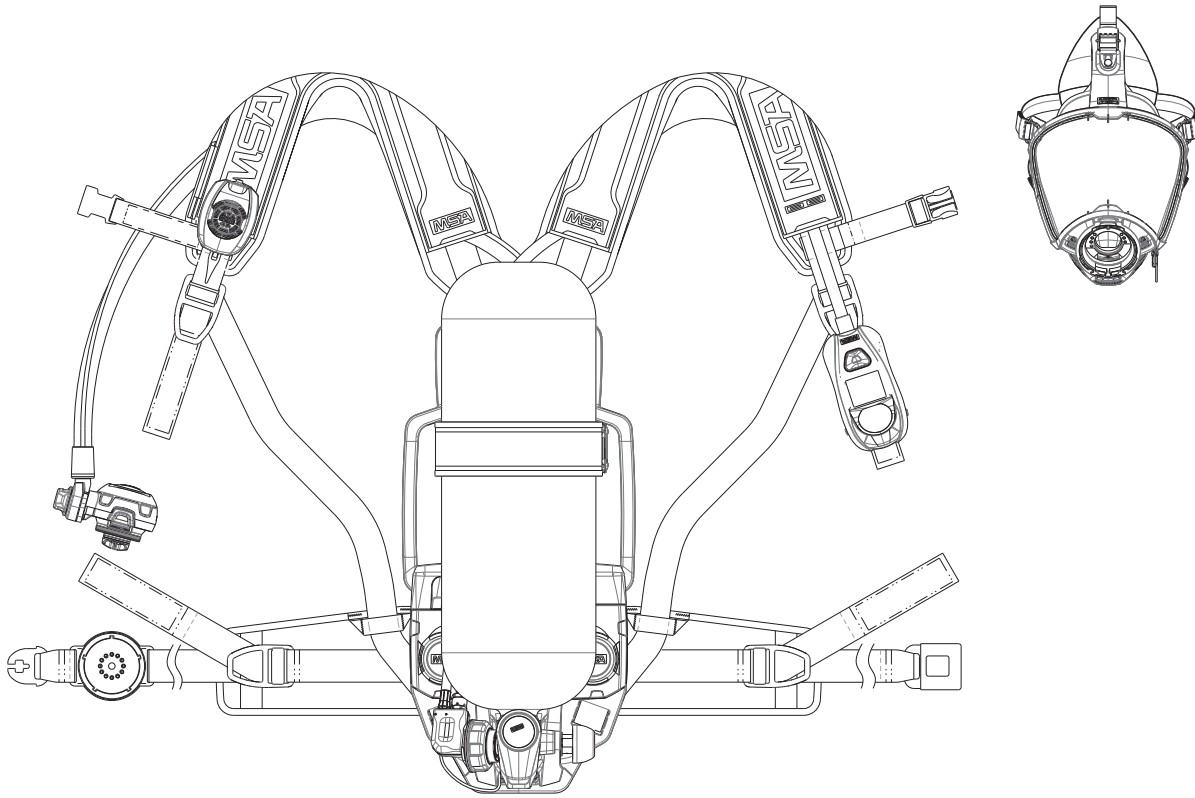




Certified Air Mask Repair Education (C.A.R.E.) Manual
G1
Parts List



Order No.: 10164891/07



WARNING!

Read this manual carefully before servicing the device. The device will perform as designed only if it is used and maintained in accordance with the manufacturer's instructions. Otherwise, it could fail to perform as designed and persons who rely on this device for their safety could sustain serious personal injury or death.

Please read and observe the WARNINGS and CAUTIONS inside. For any additional information relative to use or repair, call 1-800-MSA-2222 during regular working hours.

For alternate languages, please refer to part number 10168000



The Safety Company

1000 Cranberry Woods Drive
Cranberry Township, PA 16066
USA
Phone 1-800-MSA-2222
Fax 1-800-967-0398

For your local MSA contacts please go to our website www.MSAafety.com

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1 Replacements: Major Subcomponents, Accessories, and Overhaul Kits

	Pressure		
	2216	4500	5500
G1 Major Subcomponents			
CONTROL MODULE	10152105-SP	10152106-SP	10152106-SP
CONTROL MODULE, TIC	10175010-SP	10175021-SP	10175021-SP
POWER MODULE REMOTE CONNECT, 2018 ED	10161890-SP	10148686-SP	10161901-SP
POWER MODULE REMOTE CONNECT, WITH TELEMETRY, 2018 ED	10161902-SP	10148687-SP	10161903-SP
POWER MODULE REMOTE CONNECT, 2013 ED, SP	10181902	10181901	--
POWER MODULE REMOTE CONNECT, WITH TELEMETRY, 2013 ED, SP	10181904	10181903	--
POWER MODULE REMOTE CONNECT, NO PASS, SP	--	10181897	10181899
POWER MODULE REMOTE CONNECT, WITH TELEMETRY, NO PASS, SP	--	10181898	10181900
ALKALINE BATTERY PACK	10148740-SP	10148740-SP	10148740-SP
RECHARGEABLE LITHIUM ION BATTERY PACK	10148741-SP	10148741-SP	10148741-SP
SPEAKER MODULE	10148760-SP	10148760-SP	10148760-SP
2ND STAGE REGULATOR W/ PURGE & CONTINUOUS HOSE	10159900-SP	10159900-SP	10159900-SP
2ND STAGE REGULATOR W/ CONTINUOUS HOSE	10159902-SP	10159902-SP	10159902-SP
2ND STAGE REGULATOR W/ PURGE & QUICK CONNECT HOSE	10159899-SP	10159899-SP	10159899-SP
2ND STAGE REGULATOR W/ QUICK CONNECT HOSE	10159901-SP	10159901-SP	10159901-SP
PRESSURE REDUCER	10149580-SP	10149581-SP	10149582-SP
THREADED HANDWHEEL ASSEMBLY	10149676-SP	10149677-SP	10149678-SP
QUICK-CONNECT HANDWHEEL ASSEMBLY	10149722-SP	10149723-SP	10149724-SP
BACKPLATE ASSY, STYLE NUMBER 10146873**	10161281-SP	10161281-SP	10161281-SP
BACKPLATE ASSY, STYLE NUMBER 10170777*	10177514-SP	10177514-SP	10177514-SP
BACKPLATE ASSEMBLY WITH NFPA AND NIOSH LABELS	10184594	10184594	10184594
BACKPLATE ASSEMBLY WITH NFPA AND NIOSH EBSS LABELS	10184595	10184595	10184595
CRADLE COVER ASSEMBLY	10149540-SP	10149540-SP	10149540-SP
FIXED SWIVELING LUMBAR ASSEMBLY	10146895-SP	10146895-SP	10146895-SP
ADJUSTABLE SWIVELING LUMBAR ASSEMBLY	10162487	10162487	10162487
CRADLE ASSEMBLY WITH LABEL	10165265	10165266	10165267

* reference Fig. 5 for style number information

**The Backplate Assembly 10161281-SP is no longer available. See Fig. 7 "Exploded View - ADJUSTABLE SWIVEL LUMBAR" if backplate replacement is necessary.

	Pressure		
	2216	4500	5500
G1 SCBA Overhaul Kits			
REGULATOR OVERHAUL KIT	10163923	10163923	10163923
PRESSURE REDUCER OVERHAUL KIT	10163924	10163924	10163924
BELL ALARM OVERHAUL KIT	10163925	10163926	10181390
PSI CYLINDER VALVE OVERHAUL KIT	10150400	10150412	10181377

	Pressure		
	2216	4500	5500
G1 Accessories			
EXTENDAIRE II CONVERSION KIT	10156464	10156464	10156464
RESCUE AIR II WITH CYLINDER	10161141	10161130	--
RESCUE AIR II LESS CYLINDER	10161143	10161142	--

G1 Facepiece Assemblies

Facepiece Assembly	Equivalent ATO Number	Application	Face-piece Size	Nosecup Size	Material	Adjustable Head Harness Type	Neck Strap Type
10156458 *	GIFP-F-S-1-S-4-0-1	Fire	S	S	Hycar	4-Pt Kevlar	---
10156459 *	GIFP-F-M-1-M-4-0-1	Fire	M	M	Hycar	4-Pt Kevlar	---
10156460 *	GIFP-F-L-1-L-4-0-1	Fire	L	L	Hycar	4-Pt Kevlar	---
10156461 *	GIFP-F-S-1-S-R-0-1	Fire	S	S	Hycar	5-Pt Rubber	---
10156462 *	GIFP-F-M-1-M-R-0-1	Fire	M	M	Hycar	5-Pt Rubber	---
10156463 *	GIFP-F-L-1-L-R-0-1	Fire	L	L	Hycar	5-Pt Rubber	---
10161809	GIFP-F-S-1-S-4-C-1	Fire	S	S	Hycar	4-Pt Kevlar	Cloth
10161810	GIFP-F-M-1-M-4-C-1	Fire	M	M	Hycar	4-Pt Kevlar	Cloth
10161811	GIFP-F-L-1-L-4-C-1	Fire	L	L	Hycar	4-Pt Kevlar	Cloth
10161812	GIFP-F-S-1-S-5-0-1	Fire	S	S	Hycar	5-Pt Kevlar	---
10161813	GIFP-F-M-1-M-5-0-1	Fire	M	M	Hycar	5-Pt Kevlar	---
10161814	GIFP-F-L-1-L-5-0-1	Fire	L	L	Hycar	5-Pt Kevlar	---
10161815	GIFP-F-S-1-S-5-C-1	Fire	S	S	Hycar	5-Pt Kevlar	Cloth
10161816	GIFP-F-M-1-M-5-C-1	Fire	M	M	Hycar	5-Pt Kevlar	Cloth
10161817	GIFP-F-L-1-L-5-C-1	Fire	L	L	Hycar	5-Pt Kevlar	Cloth

* These facepiece assemblies satisfy the requirements to be Berry Amendment compliant.

Cylinders for Remote Connection

Description			Part Number	Part Number
Cylinder Pressure	Cylinder Duration	Connection Type	Air	Less Air
2216 psig	30 min	Remote	10156422-SP	10156431-SP
4500 psig	30 min	Remote	10156423-SP	10156432-SP
4500 psig	45 min LP*	Remote	10156424-SP	10156433-SP
4500 psig	45 min	Remote	10156425-SP	10156434-SP
4500 psig	60 min	Remote	10156426-SP	10156435-SP
5500 psig	30 min	Remote	10156436-SP	10156427-SP
5500 psig	45 min	Remote	10156437-SP	10156428-SP
5500 psig	60 min	Remote	10156438-SP	10156429-SP

* Low Profile version of the 45 min, 4500 psig cylinder

PLEASE NOTE: Quick Connect Cylinder Adapter must be ordered for each cylinder separately.
Quick Connect Cylinder Adapter part number is:

2216: 10149701-SP

4500/5500: 10149702-SP

Cylinder Valve, Dovetail Kit, Boot and Screws	Cylinder	Cylinder P/N	Kit P/N
RETAINER KIT WITH VALVE, TYPE 2	H-30 Carbon	807587	10161581
RETAINER KIT WITH VALVE, TYPE 3	H-45 LP Carbon	10035644	10161582
RETAINER KIT WITH VALVE, TYPE 4	H-45 Carbon	807570	10161583
RETAINER KIT WITH VALVE, TYPE 4	L-30 Carbon	807586	10161579
RETAINER KIT WITH VALVE, TYPE 5	H-60 Carbon	807588	10161584
RETAINER KIT WITH VALVE, TYPE 2	5500 30 min	10156436	10182585
RETAINER KIT WITH VALVE, TYPE 3	5500 45 min	10156437	10182586
RETAINER KIT WITH VALVE, TYPE 4	5500 60 min	10156438	10182587

2 G1 Carrier and Harness Assembly

2.1 Electronics, Hose and Wire Assemblies

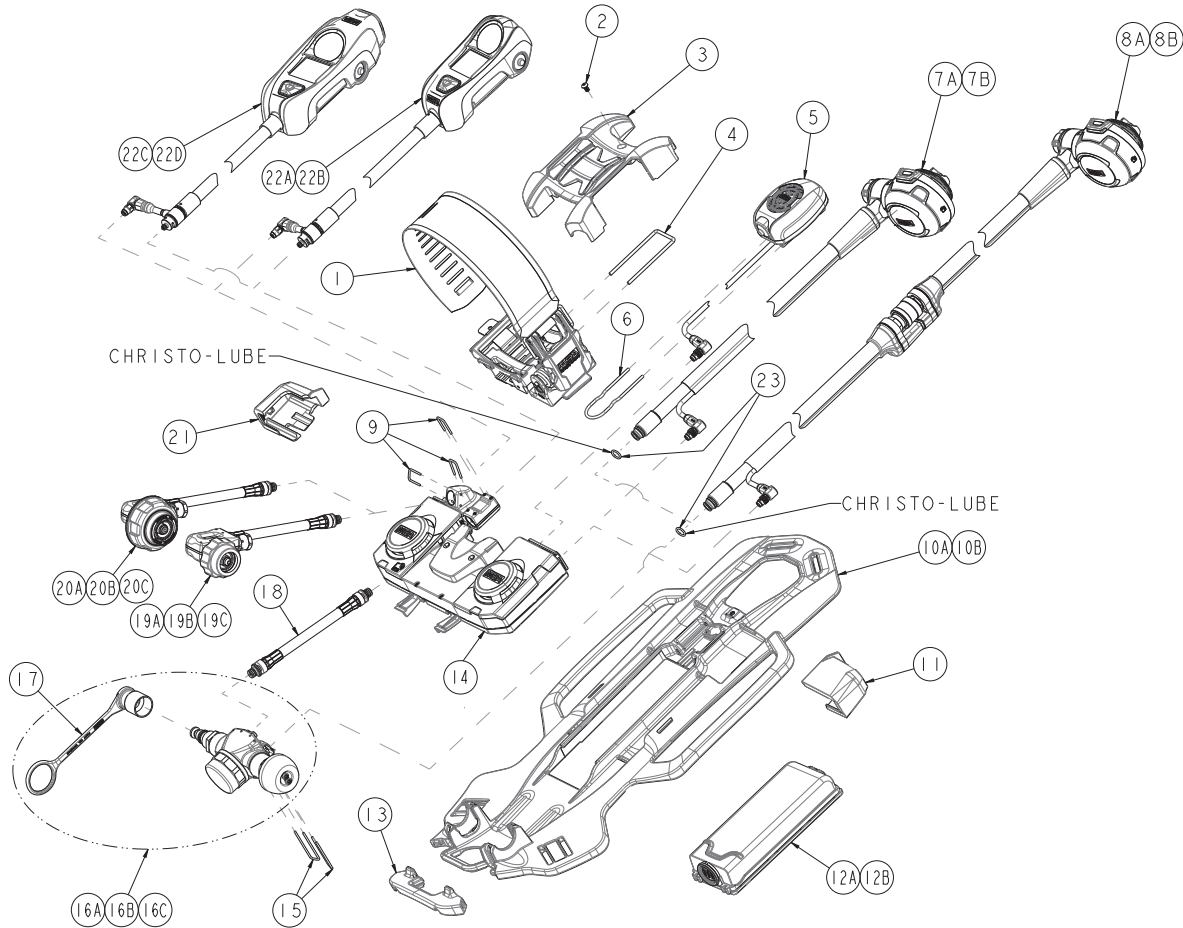


Fig. 1 Exploded View - Primary Subsystem Connections

Item	Quantity	Description	Part Numbers
1	1 contains	CRADLE ASSEMBLY (LESS LABEL)	10149539-SP
		CRADLE	10146874-SP
		LEFT LATCH SPRING	10146886-SP
		BUSHING	10146888-SP
		RIGHT LATCH SPRING	10146887-SP
		CIRCLE COTTER PIN	10005952
		PIN	10146877-SP
		BATTERY RETENTION SHUTTLE	10146918-SP
		SPRING	10146881-SP
		TAB ASSY	10146891-SP
		LATCH BAND ASSY	10150533-SP
2	1	SCREW, M4 X 8	10146864-SP
3	1 contains	CRADLE COVER ASSY	10149540-SP
		CRADLE RAIL	10146862-SP
		CRADLE COVER	10150532-SP

US

G1 Carrier and Harness Assembly

Item	Quantity	Description	Part Numbers
4	1	U-CLIP, METAL BAND CRADLE	10146863-SP
5	1	SPEAKER MOD	10148760-SP
6	1	BAIL, WIRE	10148761-SP
7A	1	MMR W/ PURGE/ CONT. HOSE	10159900-SP
7B	1	MMR W/ CONT. HOSE	10159902-SP
8A	1	MMR W/ PURGE/ QC HOSE	10159899-SP
8B	1	MMR W/ SOLID-COVER AND QUICK CONNECT HOSE	10159901-SP
9	3	U-CLIP, MANIFOLD	10149716-SP
10A	1	BACKPLATE ASSEMBLY WITH NFPA AND NIOSH LABELS	10184594
10B	1	BACKPLATE ASSEMBLY WITH NFPA AND NIOSH EBSS LABELS	10184595
11	1	RIGHT COVER	10148736-SP
12A	1	ALKALINE BATTERY PACK	10148740-SP
12B	1	RECHARGEABLE BATTERY PACK	10148741-SP
13	1	BUMPER	10146894-SP
14		POWER MODULE, 2216 PSI OPERATING SYSTEM	PASS Sound Pattern (ed)
	1	Remote Connect	10161890-SP 2018
	1	Remote Connect with Telemetry	10161902-SP 2018
	1	Remote Connect, SP	10181902 2013
	1	Remote Connect with Telemetry, SP	10181904 2013
		POWER MODULE, 4500 PSI OPERATING SYSTEM	
	1	Remote Connect	10148686-SP 2018
	1	Remote Connect with Telemetry	10148687-SP 2018
	1	Remote Connect, SP	10181901 2013
	1	Remote Connect with Telemetry, SP	10181903 2013
		POWER MODULE, SP, 5500 PSI OPERATING SYSTEM	PASS Sound Pattern (ed)
	1	Remote Connect	10161901-SP 2018
	1	Remote Connect with Telemetry	10161903-SP 2018
		POWER MODULE, SP, HAZMAT NO PASS SOUND, 4500 PSI OPERATING SYSTEM***	
	1	Remote Connect	10181897 N/A
	1	Remote Connect with Telemetry	10181898 N/A
		POWER MODULE, SP, HAZMAT NO PASS SOUND, 5500 PSI OPERATING SYSTEM***	PASS Sound Pattern (ed)
	1	Remote Connect	10181899 N/A
	1	Remote Connect, with Telemetry	10181900 N/A
15	1	U-CLIP, REDUCER	10149643-SP

Item	Quantity	Description	Part Numbers
16A	1	2216 PSIG PRESSURE RED	10149580-SP
16B	1	4500 PSIG PRESSURE RED	10149581-SP
16C	1	5500 PSIG PRESSURE RED	10149582-SP
17	1	DUST COVER	10149645-SP
18	1	HIGH PRESSURE HOSE	10149679-SP
19A	1	2216 CGA THREADED HANDWHEEL ASSY	10149676-SP
19B	1	4500 CGA THREADED HANDWHEEL ASSY	10149677-SP
19C	1	5500 CGA THREADED HANDWHEEL ASSY	10149678-SP
20A	1	2216 CGA QC HANDWHEEL ASSY	10149722-SP
20B	1	4500 CGA QC HANDWHEEL ASSY	10149723-SP
20C	1	5500 CGA QC HANDWHEEL ASSY	10149724-SP
21	1	REM CONNECT LEFT COVER	10148734-SP
22A	1	2216 CONTROL MOD	10152105-SP
22B	1	4500/5500 CONTROL MOD	10152106-SP
22C	1	2216 CONTROL MOD, TIC	10175010-SP
22D	1	4500/5500 CONTROL MOD, TIC	10175021-SP
23	1	O-RING, SILICONE, SIZE 12, RED	697453
		CHRISTO-LUBE	604070
		THREAD LOCKER, LOCTITE 263	10151684

*** Not compliant to NFPA 1982 PASS Standard

The G1 Power Module is sealed at the factory and is not field serviceable.

Replace damaged or malfunctioning Power Modules.

* reference Fig. 5 for style number information

2.2 G1 Control Module

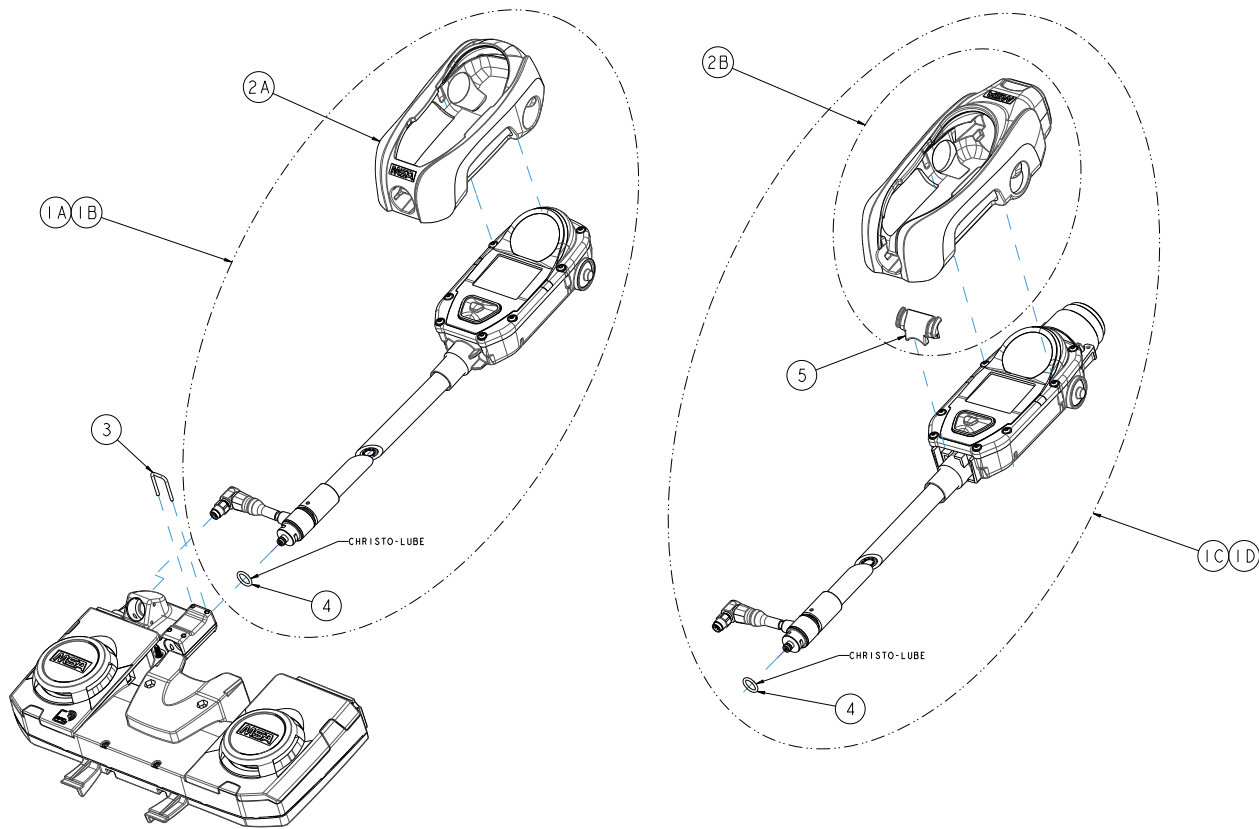


Fig. 2 Exploded View

Item	Quantity	Description	Part Number
1A	1	CONTROL MODULE, 2216 PSIG	10152105-SP
1B	1	CONTROL MODULE, 4500/5500 PSIG	10152106-SP
1C	1	CONTROL MODULE, 2216 PSIG, TIC	10175010-SP
1D	1	CONTROL MODULE, 4500/5500 PSIG, TIC	10175021-SP
2A	1	BOOT, CONTROL MODULE	10144966-SP
2B	1	BOOT KIT, CONTROL MODULE, TIC	10177099
		CONTAINS BOOT, CONTROL MODULE, TIC	
		BOOT INSERT, CM, TIC	10174979-SP
3	1	U-CLIP, MANIFOLD	10149716-SP
4	1	O-RING, SILICONE, 3x1.5, BLUE	10041631-SP
5	1	BOOT INSERT, CM, TIC	10174979-SP
		CHRISTO-LUBE	604070

2.3 G1 Power Module and Batteries

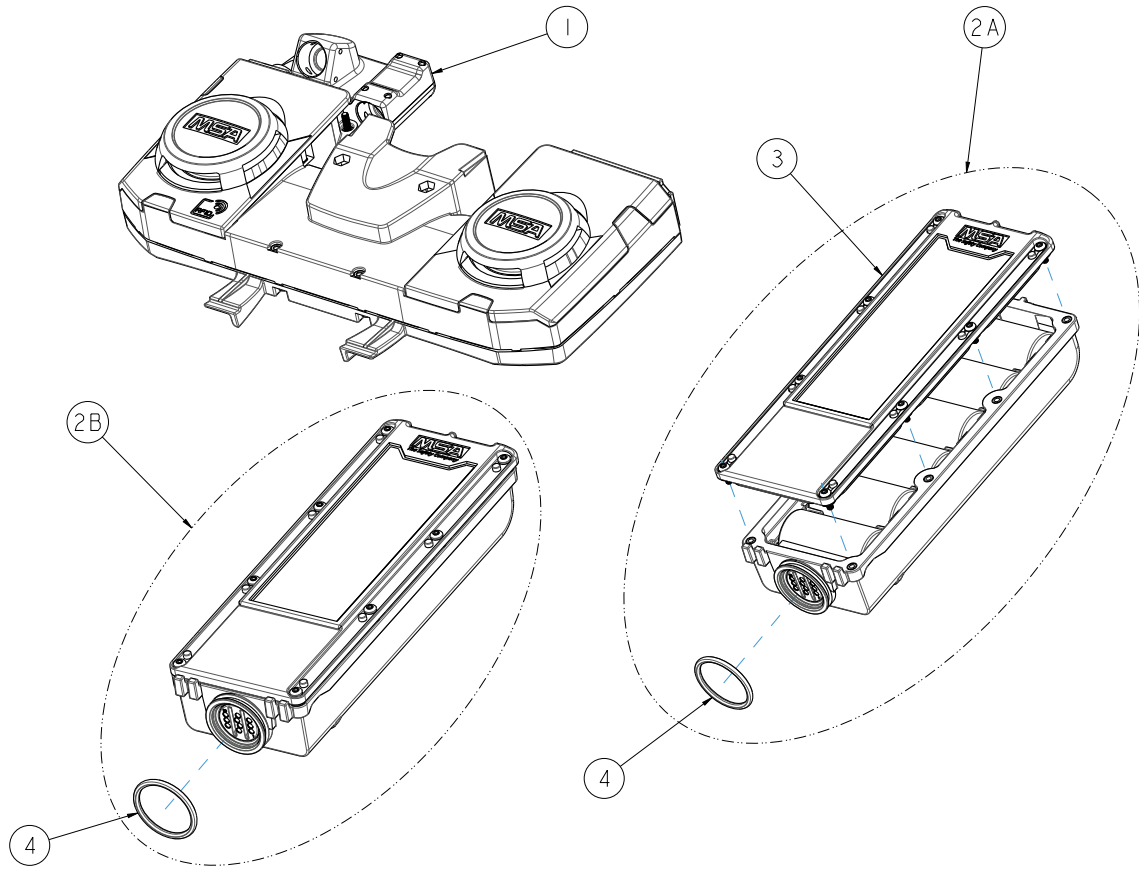


Fig. 3 Exploded View

Power Module, 2216 PSI Operating System

Item	Quantity	Description	Part Number	PASS Sound Pattern (ed)
1	1	Remote Connect	10161890-SP	2018
	1	Remote Connect with Telemetry	10161902-SP	2018
	1	Remote Connect, SP	10181902	2013
	1	Remote Connect with Telemetry, SP	10181904	2013

Power Module, 4500 PSI Operating System

Item	Quantity	Description	Part Number	PASS Sound Pattern (ed)
1	1	Remote Connect	10148686-SP	2018
	1	Remote Connect with Telemetry	10148687-SP	2018
	1	Remote Connect, SP	10181901	2013
	1	Remote Connect with Telemetry, SP	10181903	2013

Power Module, SP, 5500 PSI Operating System

Item	Quantity	Description	Part Number	PASS Sound Pattern (ed)
1	1	Remote Connect	10161901-SP	2018
	1	Remote Connect with Telemetry	10161903-SP	2018

Power Module, SP, HAZMAT No PASS Sound, 4500 PSI Operating System***

Item	Quantity	Description	Part Number	PASS Sound Pattern (ed)
1	1	Remote Connect	10181897	N/A
	1	Remote Connect with Telemetry	10181898	N/A

*** Not compliant to NFPA 1982 PASS Standard

Power Module, SP, HAZMAT No PASS Sound, 5500 PSI Operating System***

Item	Quantity	Description	Part Number	PASS Sound Pattern (ed)
1	1	Remote Connect	10181899	N/A
	1	Remote Connect, with Telemetry	10181900	N/A

*** Not compliant to NFPA 1982 PASS Standard

The G1 Power Module is sealed at the factory and is not field serviceable.

Replace damaged or malfunctioning Power Modules.

The G1 Power Module is sealed at the factory and is not field serviceable.

Replace damaged or malfunctioning Power Modules.

2.4 Backplate and Harness

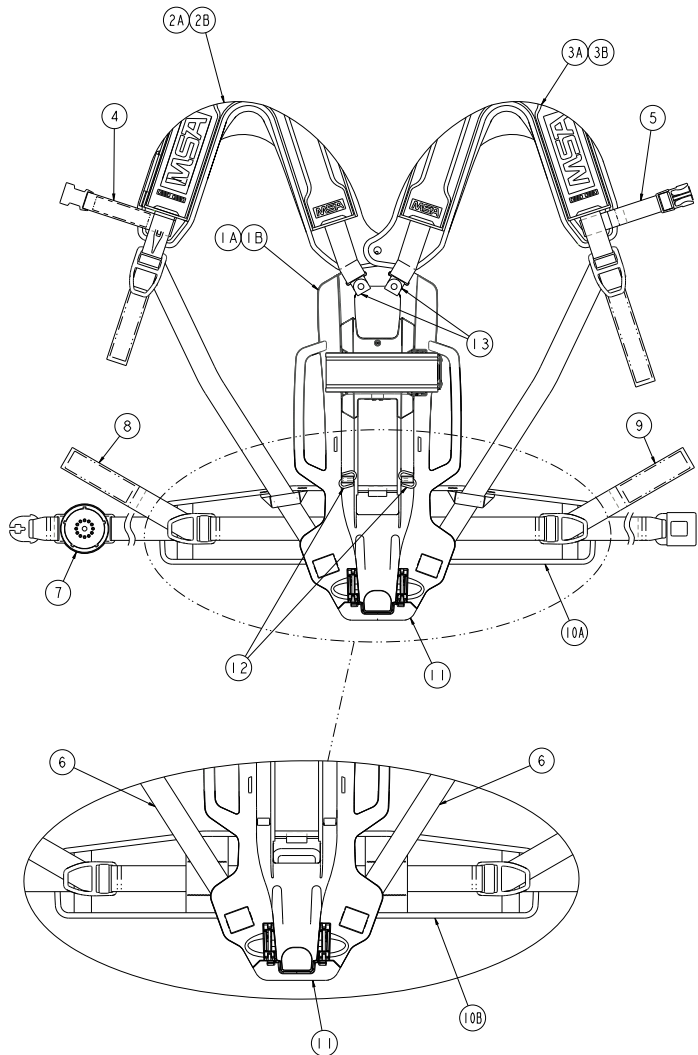


Fig. 4 Exploded View - Harness and Backplate

Item	Quantity	Description	Part Number	Berry Amd Compliant P/N
1A	1	BACKPLATE ASSEMBLY WITH NFPA AND NIOSH LABELS	10184594	
1B	1	BACKPLATE ASSEMBLY WITH NFPA AND NIOSH EBSS LABELS	10184595	
2A	1	STANDARD SHOULDER STRAP, LEFT	10149536-SP	10149536-US
2B	1	SERVICEABLE SHOULDER STRAP, LEFT	10149549-SP	N/A
3A	1	STANDARD SHOULDER STRAP, RIGHT	10149535-SP	10149535-US
3B	1	SERVICEABLE SHOULDER STRAP, RIGHT	10149548-SP	N/A
NO PASS SHOULDER STRAP OPTIONS FOR USE WITH NO PASS POWER MODULE:				
1	1	STANDARD SHOULDER STRAP, RIGHT, NO PASS	10181925	

US

G1 Carrier and Harness Assembly

Item	Quantity	Description	Part Number	Berry Amd Compliant P/N
1	1	STANDARD SHOULDER STRAP, LEFT, NO PASS	10181926	
1	1	SERVICEABLE SHOULDER STRAP, RIGHT, NO PASS	10181927	
1	1	SERVICEABLE SHOULDER STRAP, LEFT, NO PASS	10181928	
4	1	FEMALE CHEST STRAP	10153936-SP	10153936-US
5	1	MALE CHEST STRAP	10153935-SP	10153935-US
6	1	SHOULDER PULL STRAP	10153940-SP	10153940-US
7	1	REGULATOR KEEPER	10146925-SP	
8	2	LEFT SIDE WAIST BELT	10153938-SP	10153938-US
9	1	RIGHT SIDE WAIST BELT	10153937-SP	10153937-US
10A	1	BASIC LUMBAR PAD	10149550-SP	N/A
10B	1	SWIVEL LUMBAR PAD	10149537-SP	10149537-US
11	1	BACKPLATE BUMPER	10146894-SP	
12	2	CLIP, LUMBAR ATTACHMENT	10164095-SP	
13	2	TETHER ASSEMBLY, HOSE, G1	10165254-SP	

* reference Fig. 5 "Exploded View - FIXED SWIVEL LUMBAR" for style number information

2.5 Fixed Swiveling Lumbar

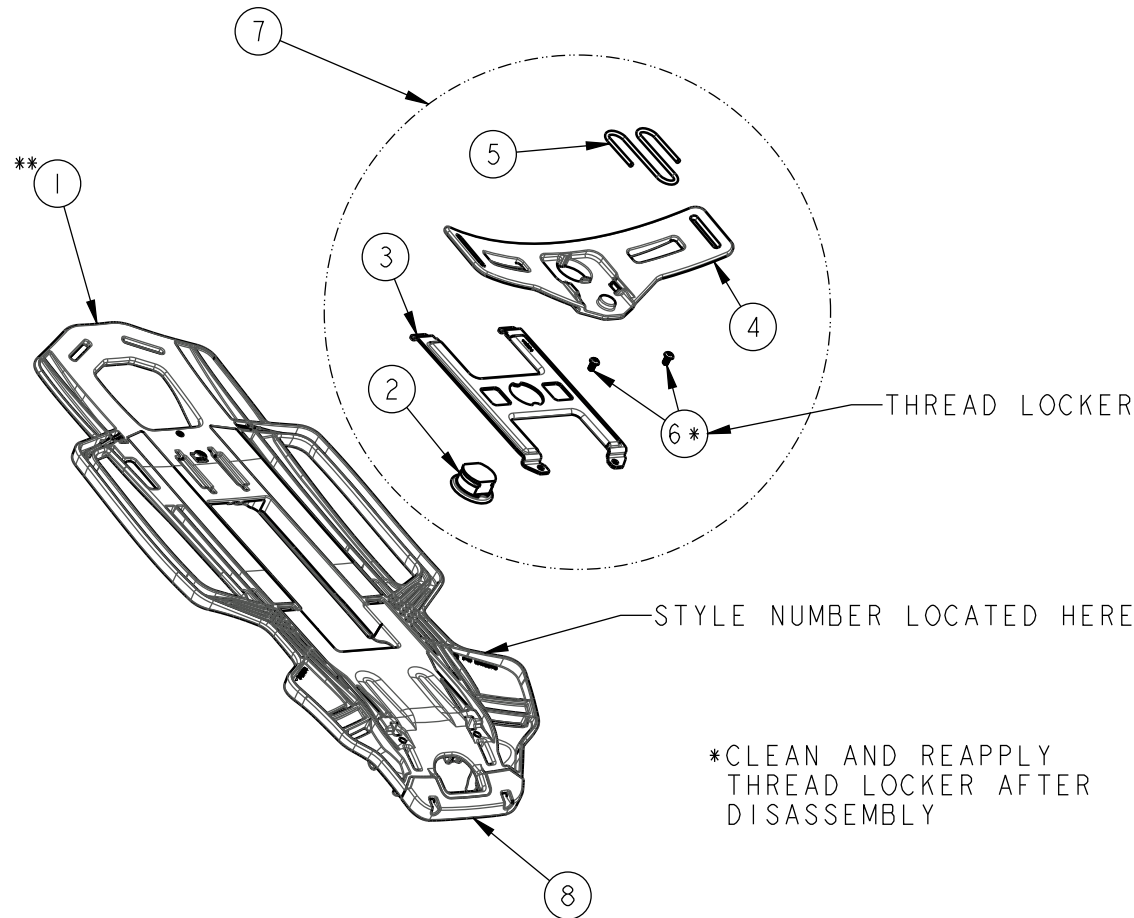


Fig. 5 Exploded View - FIXED SWIVEL LUMBAR

Item	Quantity	Description	Part Number
1**	1	BACKPLATE ASSEMBLY	10161281-SP
2	1	HUB	10146915-SP
3	1	BRACKET	10146914-SP
4	1	PLATE	10146916-SP
5	1	DRAWBAR	10146917-SP
6	2	SCREW, M4 X 8	10146864-SP
7	1	SWIVEL LUMBAR ASSEMBLY KIT	10162486
	CONTAINS	HUB	10146915-SP
		BRACKET	10146914-SP
		PLATE	10146916-SP
		DRAWBAR	10146917-SP
		SCREW, M4 X 8	10146864-SP
8	1	BUMPER	10146894-SP

**The Backplate Assembly 10161281-SP is no longer available. See Fig. 7 "Exploded View - ADJUSTABLE SWIVEL LUMBAR" if backplate replacement is necessary.

NOTICE

Backplate 10161281-SP cannot be used with rails 10170778-SP, 10170779-SP, and screws 10169585-SP.
 Backplate 10177514-SP cannot be used with rails 10146920-SP, 10146921-SP, fixed bracket 10146914-SP, and lumbar screws 10146864-SP.

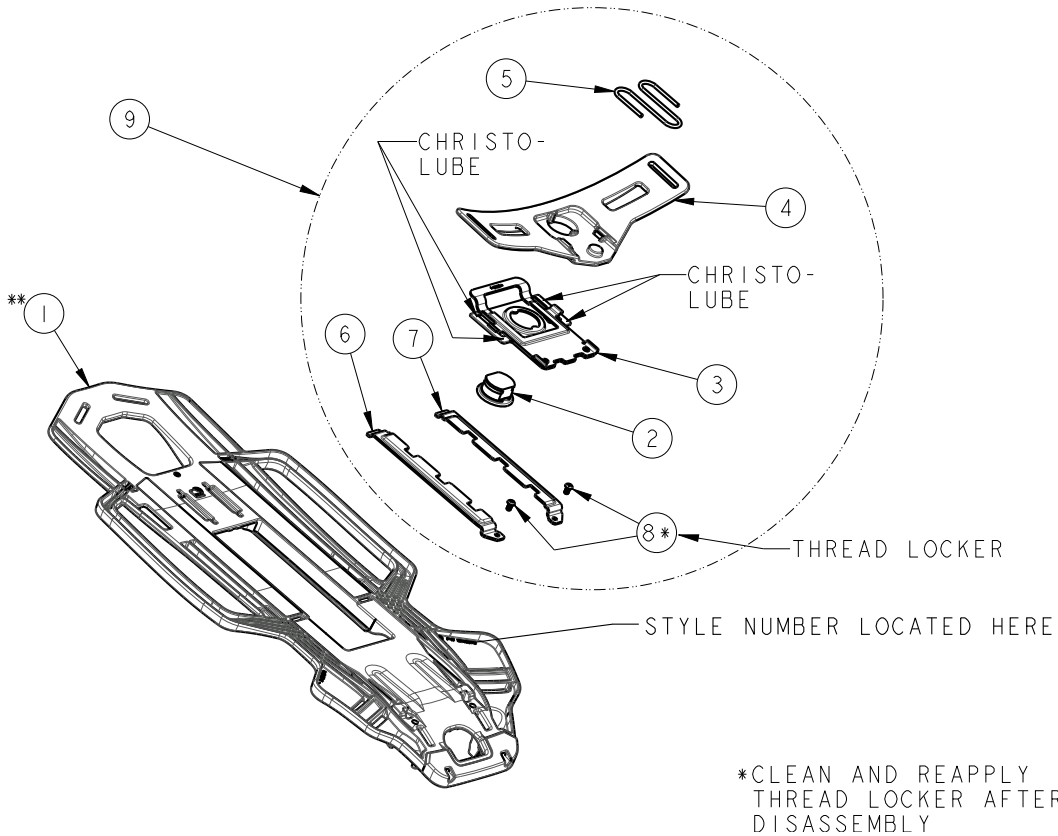
2.6 Adjustable Swiveling Lumbar

Fig. 6 Exploded View - ADJUSTABLE SWIVEL LUMBAR

Item	Quantity	Description	Part Number
1**	1	BACKPLATE ASSEMBLY, STYLE NUMBER 10146873*	10161281-SP
2	1	HUB	10146915-SP
3	1	CARRIAGE ASSEMBLY	10149538-SP
4	1	PLATE	10146916-SP
5	1	DRAWBAR	10146917-SP
6	1	LEFT RAIL, STYLE NUMBER 10146873*	10146920-SP
7	1	RIGHT RAIL, STYLE NUMBER 10146873*	10146921-SP
8	2	SCREW, M4 X 8, STYLE NUMBER 10146873*	10146864-SP
9	1	ADJUSTABLE LUMBAR ASSEMBLY KIT	10162487

Item	Quantity	Description	Part Number
CONTAINS		HUB	10146915-SP
		CARRIAGE ASSEMBLY	10149538-SP
		PLATE	10146916-SP
		DRAWBAR	10146917-SP
		SCREW, M4 X 8, STYLE NUMBER 10146873*	10146864-SP
		LEFT RAIL, STYLE NUMBER 10146873*	10146920-SP
		RIGHT RAIL, STYLE NUMBER 10146873*	10146921-SP
10	1	BUMPER	10146894-SP

**The Backplate Assembly 10161281-SP is no longer available. See Fig. 7 "Exploded View - ADJUSTABLE SWIVEL LUMBAR" if backplate replacement is necessary.

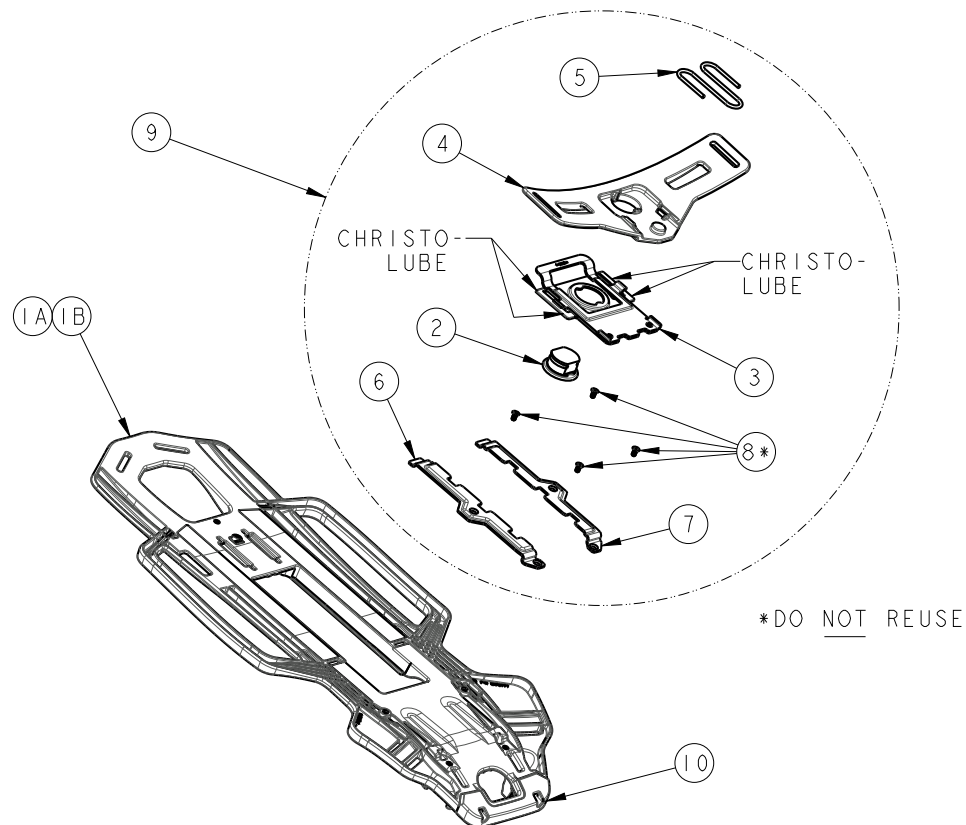


Fig. 7 Exploded View - ADJUSTABLE SWIVEL LUMBAR

Item	Quantity	Description	Part Number
1A	1	BACKPLATE ASSEMBLY WITH NFPA AND NIOSH LABELS	10184594
1B	1	BACKPLATE ASSEMBLY WITH NFPA AND NIOSH EBSS LABELS	10184595
2	1	HUB	10146915-SP
3	1	CARRIAGE ASSEMBLY	10149538-SP
4	1	PLATE	10146916-SP
5	1	DRAWBAR	10146917-SP

G1 Carrier and Harness Assembly

Item	Quantity	Description	Part Number
6	1	LEFT RAIL, STYLE NUMBER 10170777*	10170778-SP
7	1	RIGHT RAIL, STYLE NUMBER 10170777*	10170779-SP
8	4	SCREW, M4 X 8, STYLE NUMBER 10170777*	10169585-SP
9	1	ADJUSTABLE LUMBAR ASSEMBLY KIT	10162487
CONTAINS		HUB	10146915-SP
		CARRIAGE ASSEMBLY	10149538-SP
		PLATE	10146916-SP
		DRAWBAR	10146917-SP
		SCREW, M4 X 8, STYLE NUMBER 10170777*	10169585-SP
		LEFT RAIL, STYLE NUMBER 10170777*	10170778-SP
		RIGHT RAIL, STYLE NUMBER 10170777*	10170779-SP
10	1	BUMPER	10146894-SP

* reference Fig. 5 for style number information

2.7 Metal Cylinder Band

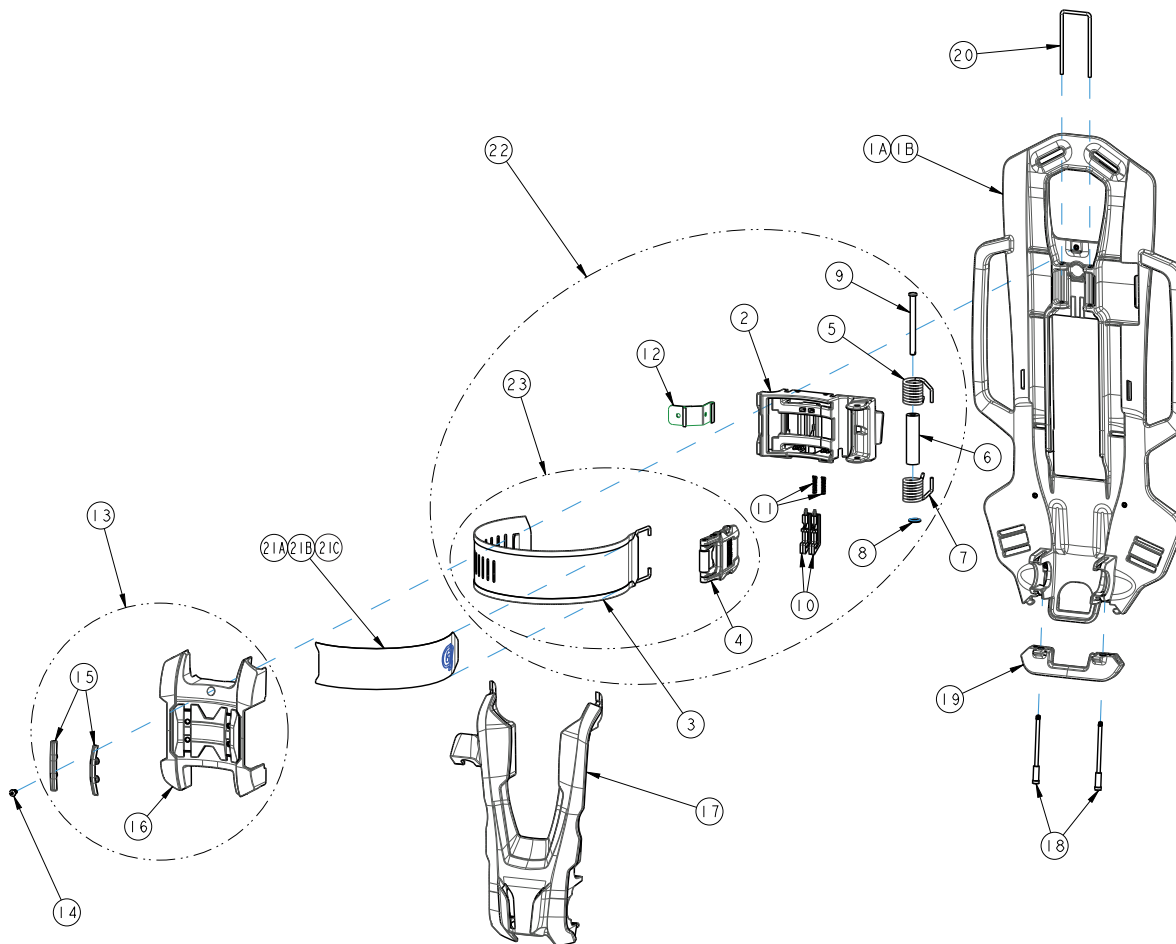


Fig. 8 Exploded View - METAL BAND

Item	Quantity	Description	Part Number
1A	1	BACKPLATE ASSEMBLY WITH NFPA AND NIOSH LABELS	10184594
1B	1	BACKPLATE ASSEMBLY WITH NFPA AND NIOSH EBSS LABELS	10184595
2	1	CRADLE	10146874-SP
3	1	BAND ASSEMBLY	10149533-SP
4	1	LATCH ASSEMBLY	10149534-SP
5	1	LEFT LATCH SPRING	10146886-SP
6	1	BUSHING	10146888-SP
7	1	RIGHT LATCH SPRING	10146887-SP
8	1	CIRCLE COTTER PIN	10005952
9	1	PIN	10146877-SP
10	2	BATTERY RETENTION SHUTTLE	10146918-SP
11	2	SPRING	10146881-SP
12	1	TAB ASSEMBLY	10146891-SP
13	1	CRADLE COVER ASSEMBLY	10149540-SP
	CONTAINS	CRADLE RAIL	10146862-SP
		CRADLE COVER	10150532-SP
14	1	SCREW, M4 X 8	10146864-SP
15	2	CRADLE RAIL	10146862-SP
16	1	CRADLE COVER	10150532-SP
17	1	LOWER COVER	10146892-SP
18	2	M4 SCREW, LOWER COVER	10146896-SP
19	1	BUMPER	10146894-SP
20	1	U-CLIP	10146863-SP
21A	1	2216 CYLINDER BAND LABEL	10161322-SP
21B	1	4500 CYLINDER BAND LABEL	10160623-SP
21C	1	5500 CYLINDER BAND LABEL	10149541-SP
22	1	CRADLE ASSEMBLY - METAL BAND	10149539-SP
	CONTAINS	CRADLE	10146874-SP
		LATCH BAND ASSEMBLY	10150533-SP
		LEFT LATCH SPRING	10146886-SP
		BUSHING	10146888-SP
		RIGHT LATCH SPRING	10146887-SP
		CIRCLE COTTER PIN	10005952
		PIN	10146877-SP
		BATTERY RETENTION SHUTTLE	10146918-SP
		SPRING	10146881-SP
		TAB ASSEMBLY	10146891-SP
23	1	LATCH BAND ASSEMBLY	10150533-SP
	CONTAINS	BAND ASSEMBLY	10149533-SP
		LATCH ASSEMBLY	10149534-SP

* reference Fig. 5 "Exploded View - FIXED SWIVEL LUMBAR" for style number information

3 G1 Cylinder and Valve

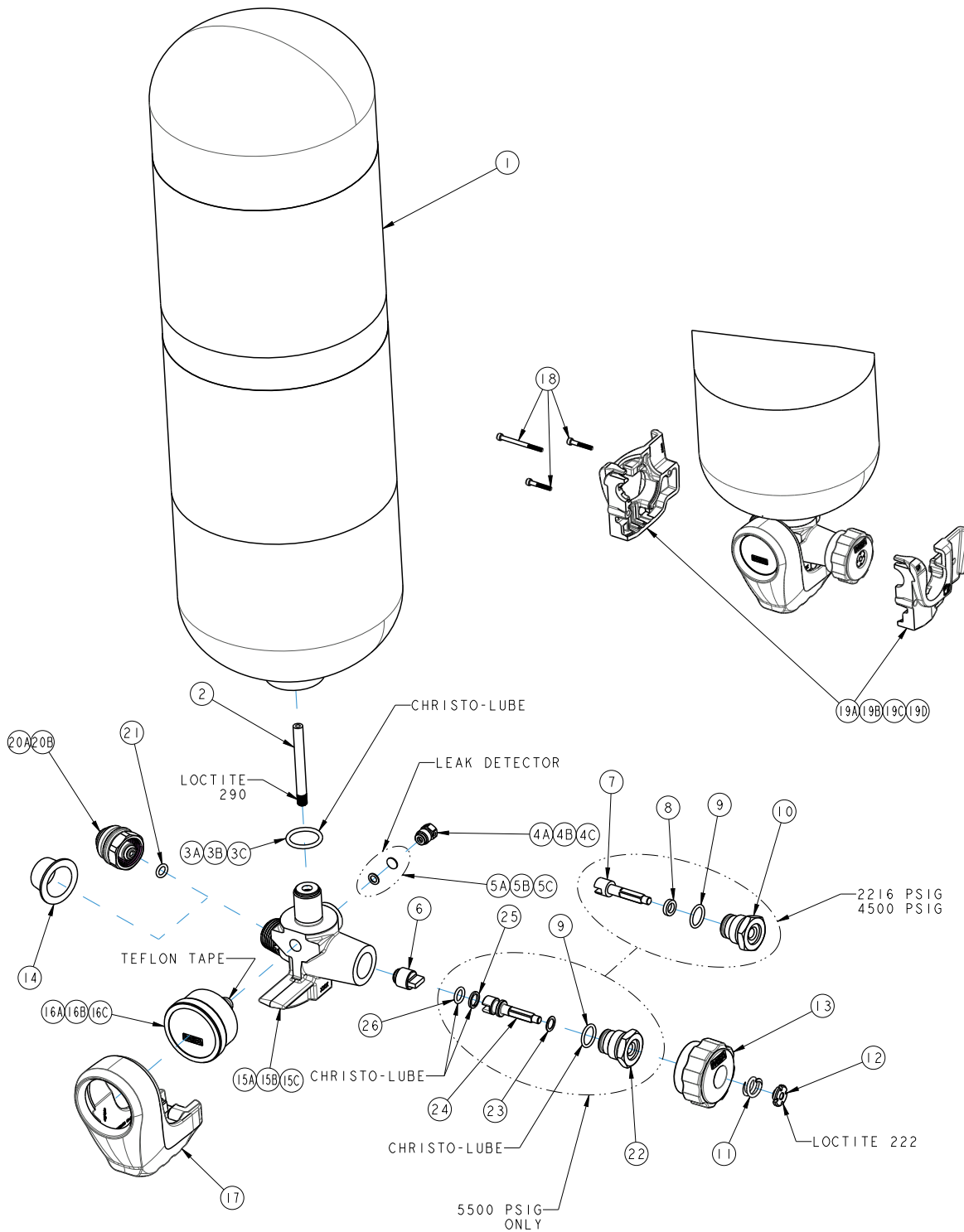


Fig. 9 Exploded View

Item	Quantity	Description	Part Number
1A	1	CYLINDER, L-30 CARBON	816970
1B	1	CYLINDER, H-30 SL, SUPERLITE CARBON	10145872
1C	1	CYLINDER, H-45 SL LP, SUPERLITE CARBON, LOW PROFILE	10145873
1D	1	CYLINDER, H-60 SL, SUPERLITE CARBON	10145874
1E	1	CYLINDER, 30 MIN. 5500 PSIG	10156436-SP
1F	1	CYLINDER, 45 MIN. 5500 PSIG	10156437-SP
1G	1	CYLINDER, 60 MIN. 5500 PSIG	10156438-SP
2	1	CYLINDER VALVE INSERT TUBE	80416
3A	1	O-RING,VITON, .644" ID (2216 PSI)	68542
3B	1	O-RING, NITRILE, BLACK, .787" ID (4500 PSI)	630926
3C	1	O-RING, NITRILE, SIZE 910	10165562
4A	1	SAFETY PLUG (2216 PSI)	68550
4B	1	SAFETY PLUG (4500 PSI)	473254
4C	1	SAFETY PLUG (5500 PSI)	10070678
5A	1	DISK AND GASKET (2216 PSI)	482225
5B	1	DISK AND GASKET (4500 PSI)	482226
5C	1	DISK AND GASKET (5500 PSI)	10181388
6	1	VALVE INSERT ASSEMBLY	488858
7	1	VALVE STEM	488859
8	1	VALVE STEM WASHER, .26" ID	488860
9	1	O-RING, URETHANE, WHITE	635953
10	1	PACKING GLAND	488862
11	1	SPRING, VALVE WHEEL	83831
12	1	LOCKNUT	83731
13	1	HANDWHEEL	91728
14	1	PROTECTOR CAP	94906
15A	1	VALVE BODY (2216 PSI)	488772
15B	1	VALVE BODY (4500 PSI)	488771
15C	1	VALVE BODY (5500 PSI)	10160085
16A	1	PRESSURE GAUGE (2216/3000 PSI)	95278
16B	1	PRESSURE GAUGE (4500 PSI)	473250
16C	1	PRESSURE GAUGE (5500 PSI)	10160089
17	1	CYLINDER VALVE BOOT	10161585
18	1	RETAINING SCREWS KIT	10161586
CONTAINS	2	SCREW, M3 X 20	
	1	SCREW M3 X 40	
19A	1	DOVE TAIL KIT, TYPE 2	10161573
19B	1	DOVE TAIL KIT, TYPE 3	10161574
19C	1	DOVE TAIL KIT, TYPE 4	10161575
19D	1	DOVE TAIL KIT, TYPE 5	10161576
20A	1	QUICK-CONNECT ADAPTER (2216 PSI)	10149701-SP

G1 Cylinder and Valve

Item	Quantity	Description	Part Number
20B	1	QUICK-CONNECT ADAPTER (4500/5500 PSI)	10149702-SP
21	1	O-RING, URETHANE, .239"ID	633553
		TEFLON TAPE	28907
		LOCTITE 222	29787
		CHRISTO-LUBE	604070
		LOCTITE 290	600469
		LEAK DETECTOR, SNOOP	600920
22	1	5500 PACKING GLAND	10160086
23	1	NYLON WASHER	10073510
24	1	5500 ALTERNATE STEM	10160087
25	1	O-RING, BLACK	10165562
26	1	BACKUP RING, NYLON	10160090

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4 G1 Facepiece

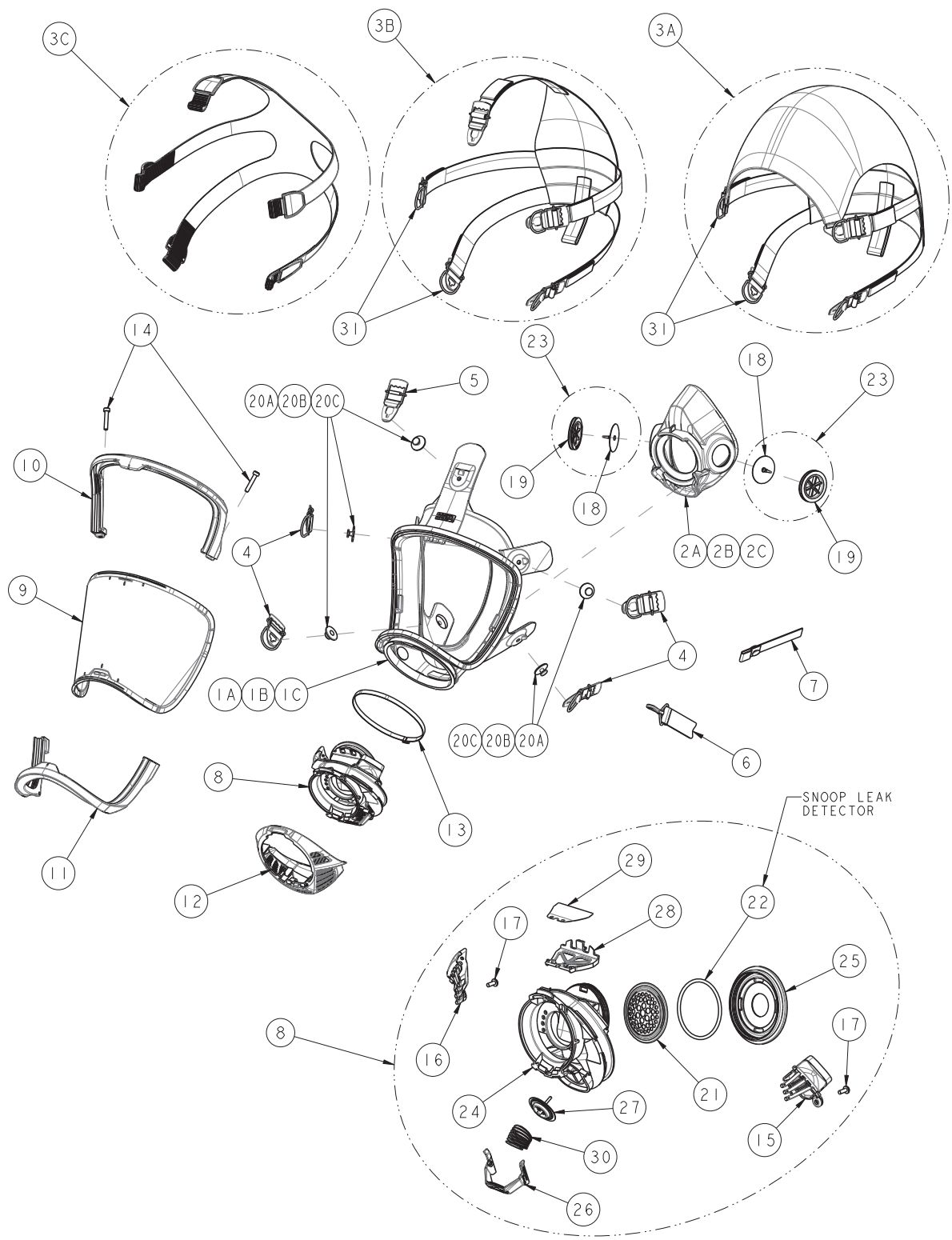


Fig. 10 Exploded View

G1 Facepiece

Item	Quantity	Description	Part Number	Berry Amd Compliant P/N
1A	1	FACEBLANK SMALL	10149577-SP	
1B	1	FACEBLANK MEDIUM	10149578-SP	
1C	1	FACEBLANK LARGE	10149579-SP	
2A	1	NOSE CUP SMALL	10149572-SP	
2B	1	NOSE CUP MEDIUM	10149573-SP	
2C	1	NOSE CUP LARGE	10149574-SP	
3A	1	HARNESS, 4 PT ADJUSTABLE	10144215-SP	10144215-US
3B	1	HARNESS, 5 PT ADJUSTABLE	10144216-SP	N/A
3C	1	HARNESS, RUBBER	10144214-SP	
4	4	BUCKLE D-RING	10149551-SP	
5	1	BUCKLE	10144217-SP	
6	1	NECK STRAP, CLOTH	10144220-SP	N/A
7	1	NECK STRAP, RUBBER	10159699-SP	
8	1	COMPONENT HOUSING ASSEMBLY	10144184-SP	
9	1	LENS	10144194-SP	
10	1	LENS RING, UPPER	10144195-SP	
11	1	LENS RING, LOWER	10144196-SP	
12	1	COVER, COMPONENT HOUSING	10144187-SP	
13	1	CLAMP, COMPONENT HOUSING	10144222-SP	
14	2	SCREW, LENS RING	10144221-SP	
15	1	LIGHTPIPE ASSEMBLY, LEFT	10144180-SP	
16	1	LIGHTPIPE ASSEMBLY, RIGHT	10144204-SP	
17	2	SCREW, COATED SS, 30X8, THREADFORMING	10144233-SP	
18	2	INLET VALVE SEAT	10144192-SP	
19	2	INLET VALVE	10144193-SP	
20A	5	BUTTON, HEADHARNESS, BLACK (MEDIUM)	10144219-SP	
20B	5	BUTTON, HEADHARNESS, GRAY (LARGE)	10144235-SP	
20C	5	BUTTON, HEADHARNESS, GREEN (SMALL)	10144234-SP	
21	1	SPEAKING DIAPHRAGM	10144209-SP	
22	1	O-RING, 46MM ID x 2.5MM THICK	10144232-SP	
23	2	INLET VALVE ASSEMBLY	10144191-SP	
24	1	COMPONENT HOUSING ASSEMBLY	10144197-SP	
25	1	SCREW RING	10144213-SP	
26	1	RETAINER, EXHALATION VALVE	10144177-SP	
27	1	Replacement Kit, 6 Pk, Exhalation Valve, G1 Facepiece	10186661	
28	1	RETAINER, INHALATION VALVE	10144208-SP	
29	1	INHALATION VALVE	10144207-SP	
30	1	SPRING, EXHALATION VALVE	10144179-SP	
31	2	PULLSTRAP, G1 HEAD HARNESS	10149556-SP	N/A
		SNOOP LEAK DETECTOR	600920	
		CONFIDENCE PLUS' GERMICIDAL CLEANER	10009971	

5 G1 Regulator

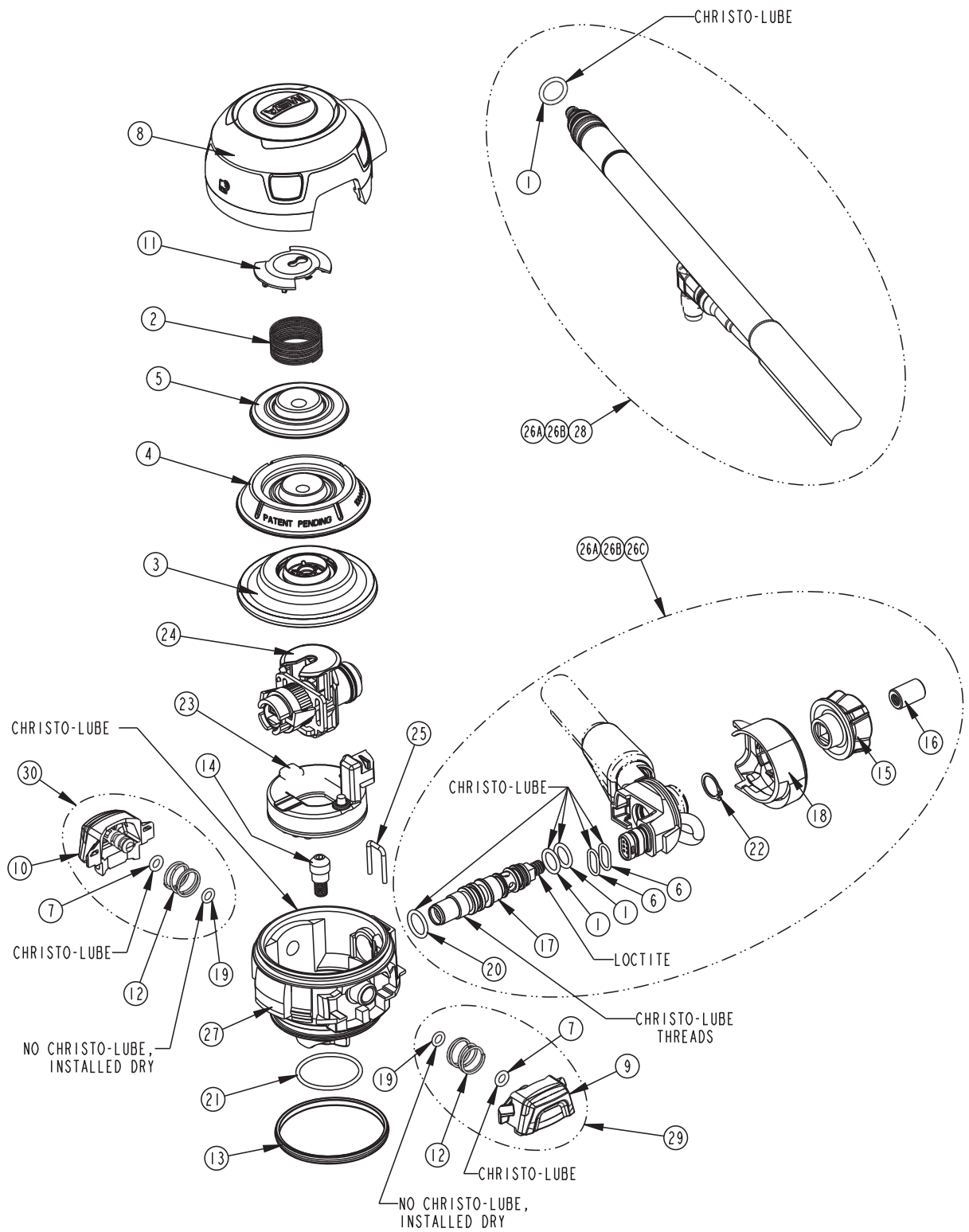


Fig. 11 Exploded View

G1 Regulator

Item	Quantity	Description	Part Number
1	3	O-RING, SILICONE, SIZE 12, RED	697453
2	1	SPRING, PD	10180070
3	1	DIAPHRAGM	10039172
4	1	SHIELD ASSEMBLY, FIREHAWK, CBRN	10044026
5	1	CAP, SPRING	10047528
6	2	O-RING, FKM, 75D, 8MM, GREEN	10162839-SP
7	2	O-RING, SILICONE, 70D, SIZE 008, ORANGE	10082499-SP
8A	1	COVER, G1 REGULATOR, NON-PURGE	10146190-SP
8B	1	COVER, G1 REGULATOR, PURGE	10146212-SP
9	1	BUTTON, BUDDY LIGHT, G1 REGULATOR	10146218-SP
10	1	BUTTON, ACTUATOR, GREY	10146220-SP
11	1	RETAINER, SPRING	10146229-SP
12	1	SPRING, BUTTON	10146237-SP
13	1	GASKET, SEAL, RING	10146238-SP
14	1	CONE, ADJUSTER	10146240-SP
15	1	KNOB	10146252-SP
16	1	RETAINER, NUT, KNOB	10146253-SP
17	1	BYPASS ASSEMBLY	10146258-SP
18	1	COVER, SWIVEL, G1 REGULATOR, ELEK	10153346-SP
19	2	O-RING, EPDM, 80D, SIZE 007, BLACK	10153637-SP
20	1	O-RING, SILICONE, 70D, SIZE 013, ORANGE	10153638-SP
21	1	O-RING, SILICONE, 70D, SIZE 24, ORANGE	10153639-SP
22	1	RETAINER, RING, SNAP, EXTERNAL, 7/16 IN	10153642-SP
23	1	E-MODULE ASSEMBLY	10156469-SP
24	1	VALVE ASSEMBLY	10164791
25	1	U-CLIP, RETAINER	10159816-SP
26A	1	G1 REG HOSE ASSY W/BYPASS, CONT	10160451-SP
26B	1	G1 REG HOSE ASSY W/BYPASS, QC	10160452-SP
26C	1	G1 REG HOSE ASSY W/BYPASS, QC, REG SIDE	10160459-SP
27	1	G1 REG HOUSING ASSY W/RFID ELEK	10164892
28	1	G1 REG HOSE ASSY, QC, PRESS RED SIDE	10153621-SP
29	1	BUTTON ASSY, BUDDY LIGHT, G1 REGULATOR	10160363-SP
	CONTAINS	BUTTON, BUDDY LIGHT, G1 REGULATOR	10146218-SP
		O-RING, SILICONE, 70D, SIZE 008, ORANGE	10082499-SP
		O-RING, EPDM, 80D, SIZE 007, BLACK	10153637-SP
30	1	BUTTON ASSY, ACTUATOR, GREY	10160350-SP
	CONTAINS	BUTTON, ACTUATOR, GREY	10146220-SP
		O-RING, SILICONE, 70D, SIZE 008, ORANGE	10082499-SP
		O-RING, EPDM, 80D, SIZE 007, BLACK	10153637-SP
		CHRISTO-LUBE	604070
		LOCTITE 243	10110981

6 G1 Pressure Reducer

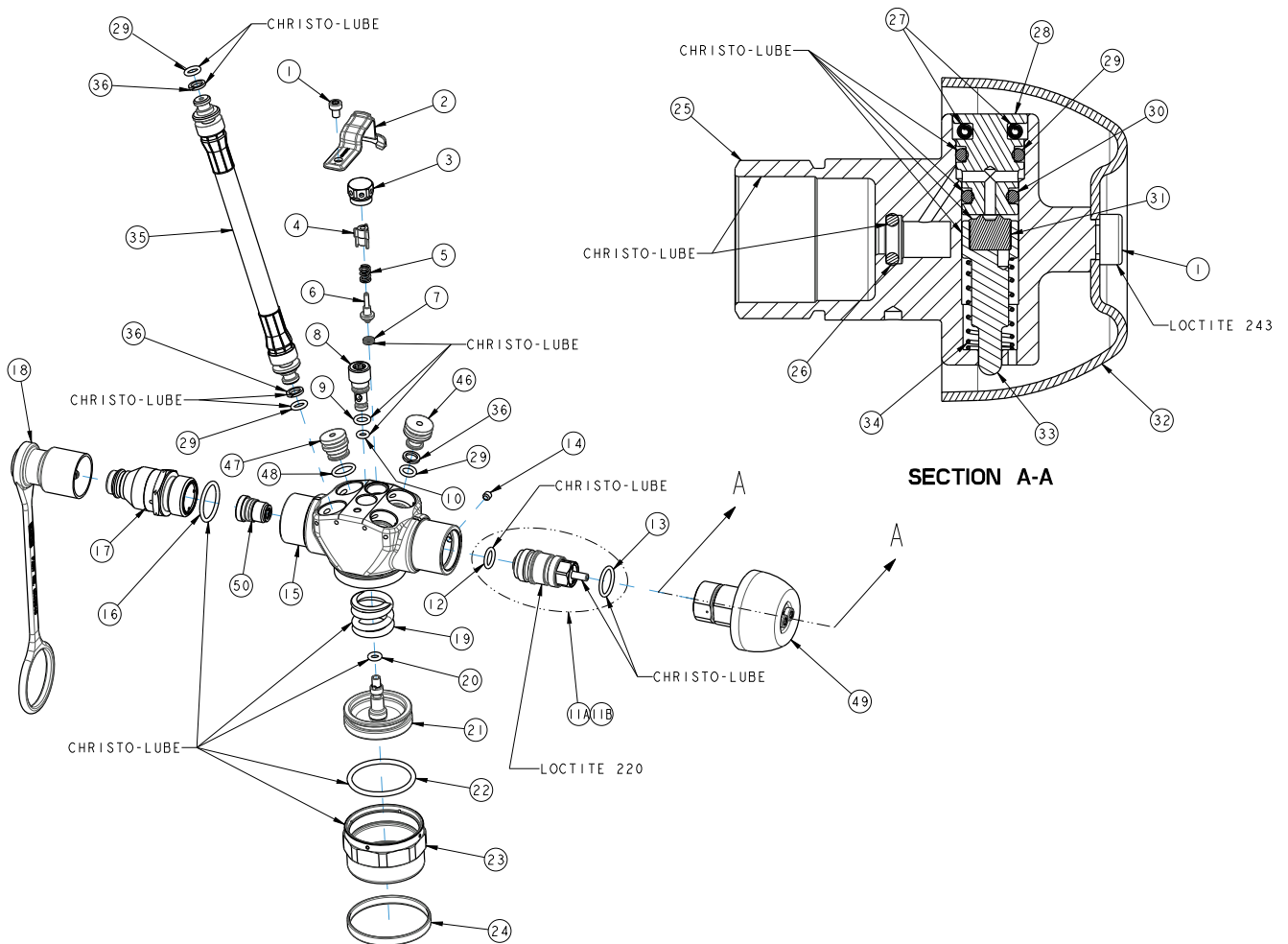


Fig. 12 Exploded View - Pressure reducer

ITEM	QUANTITY	DESCRIPTION	PART NUMBER
1	3	SCREW, TORX SOCKET CHEESE HEAD, M4 X 6MM	10149671-SP
2	1	RETAINER	10149672-SP
3	1	PRV CAP	10149635-SP
4	1	INSERT	10149634-SP
5	1	PRV SPRING	10149638-SP
6	1	PISTON	10149632-SP
7	1	QUAD-RING	10146876-SP
8	1	REDUCER SEAT	10149620-SP
9	2	O-RING, URETHANE, SIZE 2-010	633553
10	1	O-RING, URETHANE, SIZE 2-007	10058236
11A	1	ALARM ACTIVATOR, 2216 PSIG	10149648-SP
11B	1	ALARM ACTIVATOR, 4500 PSIG	10149649-SP
12	1	O-RING, EPDM, SIZE 5-612	10061147
13	1	O-RING, FLUOROSILICONE, SIZE 2-015	10149659-SP

G1 Pressure Reducer

ITEM	QUANTITY	DESCRIPTION	PART NUMBER
14	1	SCREW, SELF LOCKING, M4 X 4MM, SS	10149675-SP
15A	1	REDUCER HOUSING, 2216 PSI	10175603
15B	1	REDUCER HOUSING, 4500 PSI	10175604
16	1	GASKET	10075131-SP
17	1	COUPLING, QUICK-FILL, MALE	10178750
18	1	DUST COVER ASSY	10149645-SP
19	1	PISTON SPRING	10149626-SP
20	1	O-RING, SILICONE, SIZE 5-580	10149625-SP
21	1	PISTON ASSEMBLY	10149621-SP
22	1	O-RING, SILICONE, SIZE 2-125	10149624-SP
23	1	CAP	10149509-SP
24	1	SEAL RING	10052621
25	1	BELL HOUSING	10149664-SP
26	1	O-RING, SILICONE, SIZE 2-007	10052364
27	2	PIN	10171750-SP
28	1	BELL SEAT	10149667-SP
29	4	O-RING, SILICONE, SIZE 2-010	10149637-SP
30	1	O-RING, SILICONE, SIZE 2-008	10149669-SP
31	1	VALVE	10157463-SP
32	1	BELL	10149670-SP
33	1	STRIKER	10149666-SP
34	1	SPRING	10149668-SP
35	1	HIGH PRESSURE HOSE	10149679-SP
36	1	BACK-UP RING, SIZE 2-010	635278
46	1	HIGH PRESSURE PLUG	10149641-SP
47	1	MEDIUM PRESSURE PLUG	10149639-SP
48	1	O-RING, SILICONE, SIZE 2-012	697453
49	1	G1 BELL ASSEMBLY	10149663-SP
50	1	CHECK VALVE (5500 PSI ONLY)	10182762
		CHRISTO-LUBE	604070
		LOCTITE 243	10110981
		LOCTITE 220	10162809

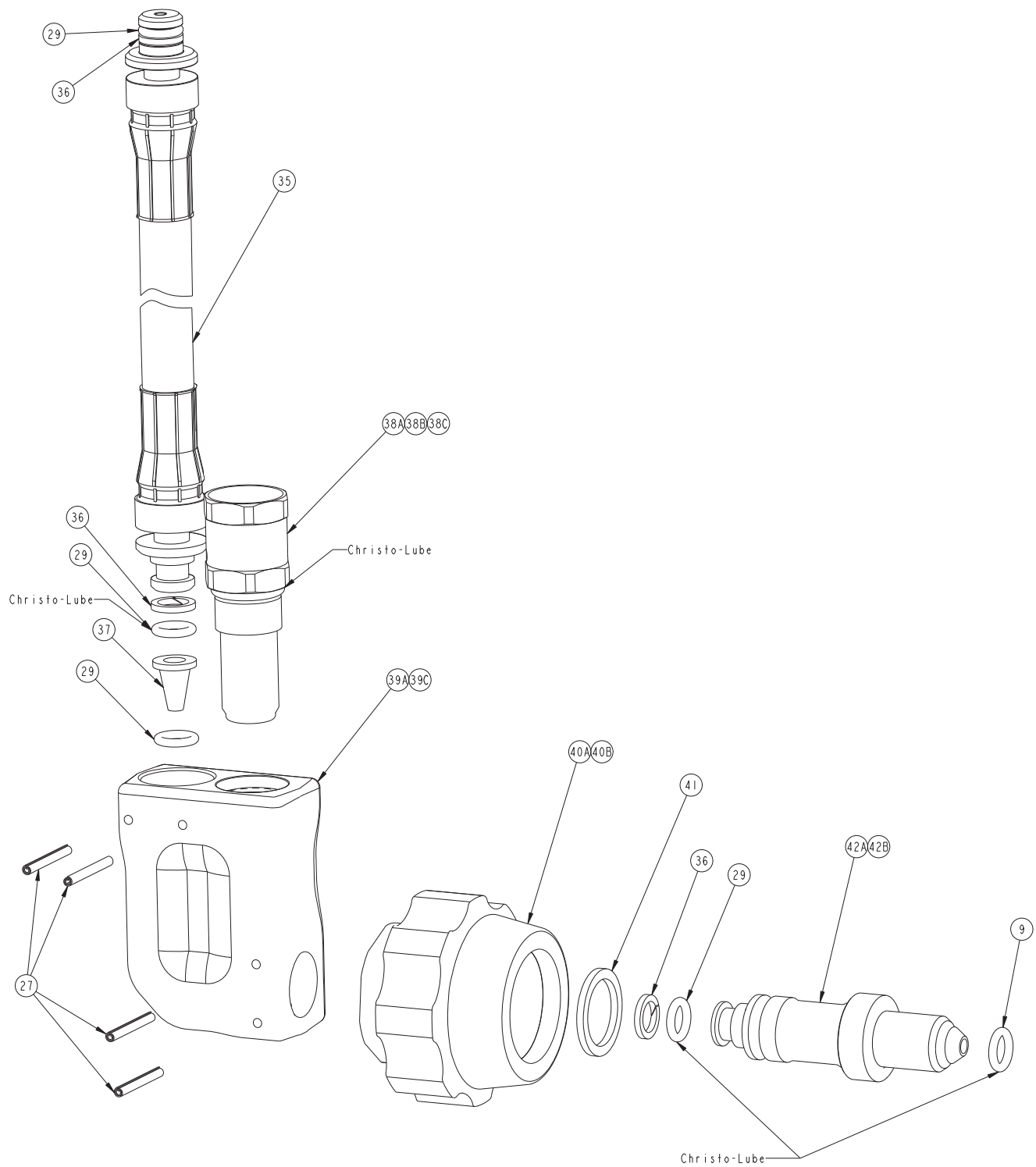


Fig. 13 G1 Remote Threaded Connect Handwheel

G1 Pressure Reducer

ITEM	QUANTITY	DESCRIPTION	PART NUMBER
9	2	O-RING, URETHANE, SIZE 2-010	633553
27	4	PIN	10171750-SP
29	4	O-RING, SILICONE, SIZE 2-010	10149637-SP
35	1	G1 HIGH PRESSURE HOSE	10149679-SP
36	3	BACK-UP RING, SIZE 2-010	635278
37	1	SINTERED FILTER	10038601
38A	1	PRESSURE RELIEF VALVE, 2216 PSIG	10036291
38B	1	PRESSURE RELIEF VALVE, 4500 PSIG	10036292
38C	1	PRESSURE RELIEF VALVE, 5500 PSIG	10165120
39A	1	HANDWHEEL MANIFOLD, THREADED CONNECT, 2216 PSI	10175606
39C	1	HANDWHEEL MANIFOLD, THREADED CONNECT, 4500 PSI	10175607
40A	1	HANDWHEEL, 2216 PSIG	10120808
40B	1	HANDWHEEL, 4500/5500 PSIG	10120809
41	1	TEFLON WASHER	93031
42A	1	CGA FITTING, 2216 PSIG	10149686-SP
42B	1	CGA FITTING, 4500/5500 PSIG	10149688-SP
		CHRISTO-LUBE	604070

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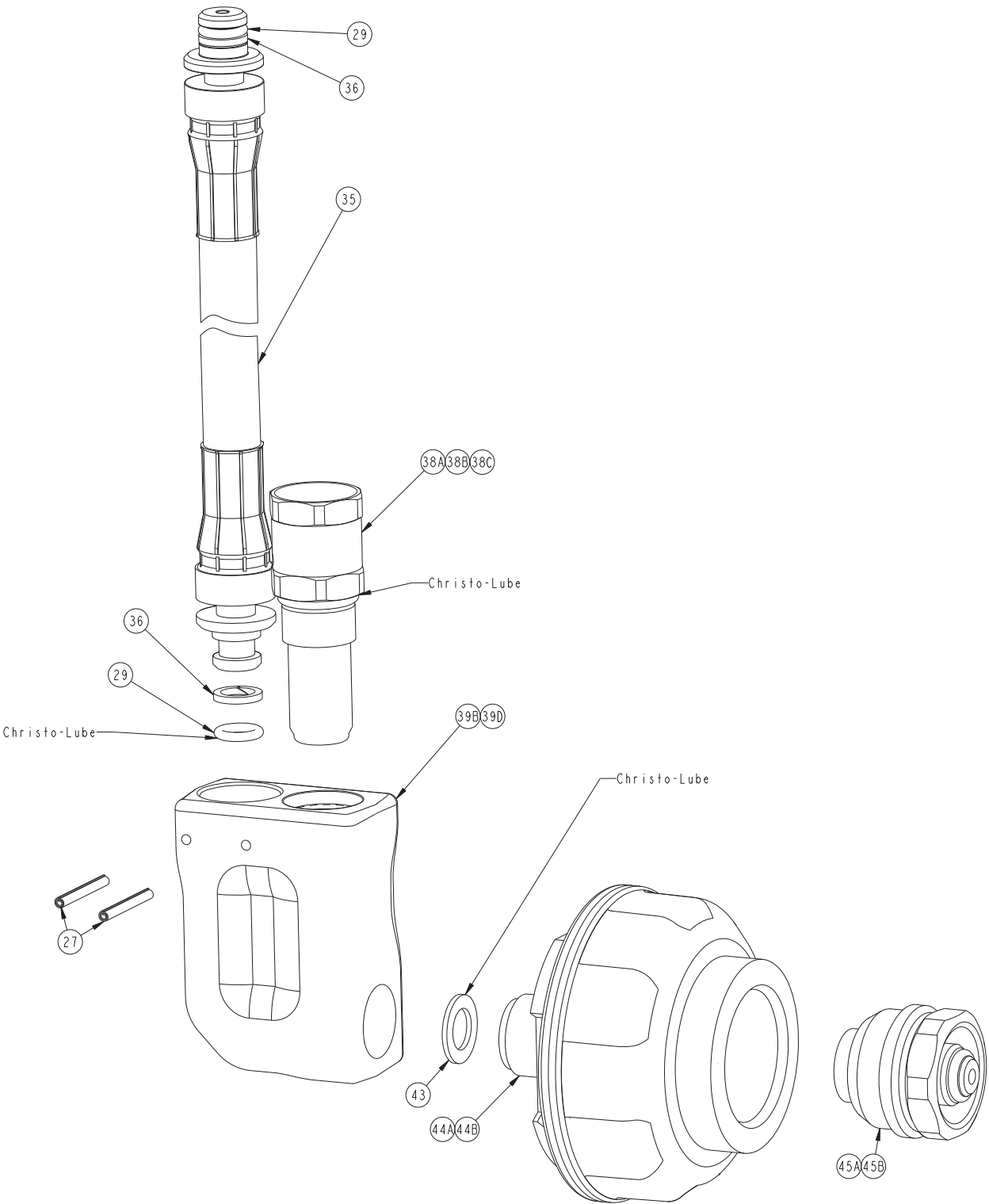


Fig. 14 G1 Remote Quick Connect Handwheel

G1 Pressure Reducer

ITEM	QUANTITY	DESCRIPTION	PART NUMBER
27	2	PIN	10171750-SP
29	2	O-RING, SILICONE, SIZE 2-010	10149637-SP
35	1	G1 HIGH PRESSURE HOSE	10149679-SP
36	2	BACK-UP RING, SIZE 2-010	635278
38A	1	PRESSURE RELIEF VALVE, 2216 PSIG	10036291
38B	1	PRESSURE RELIEF VALVE, 4500 PSIG	10036292
38C	1	PRESSURE RELIEF VALVE, 5500 PSIG	10165120
39B	1	HANDWHEEL MANIFOLD, QUICK CONNECT, 2216 PSI	10175609
39D	1	HANDWHEEL MANIFOLD, QUICK CONNECT, 4500 PSI	10175610
43	1	COPPER WASHER	D4060043
44A	1	QUICK CONNECT COUPLING, 2216/3000 PSIG	10149698-SP
44B	1	QUICK CONNECT COUPLING, 4500/5500 PSIG	10149700-SP
45A	1	QUICK CONNECT ADAPTER, 2216/3000 PSIG	10149701-SP
45B	1	QUICK CONNECT ADAPTER, 4500/5500 PSIG	10149702-SP
		CHRISTO-LUBE	604070

7 ExtendAire II EBSS (Emergency Breathing Support System)

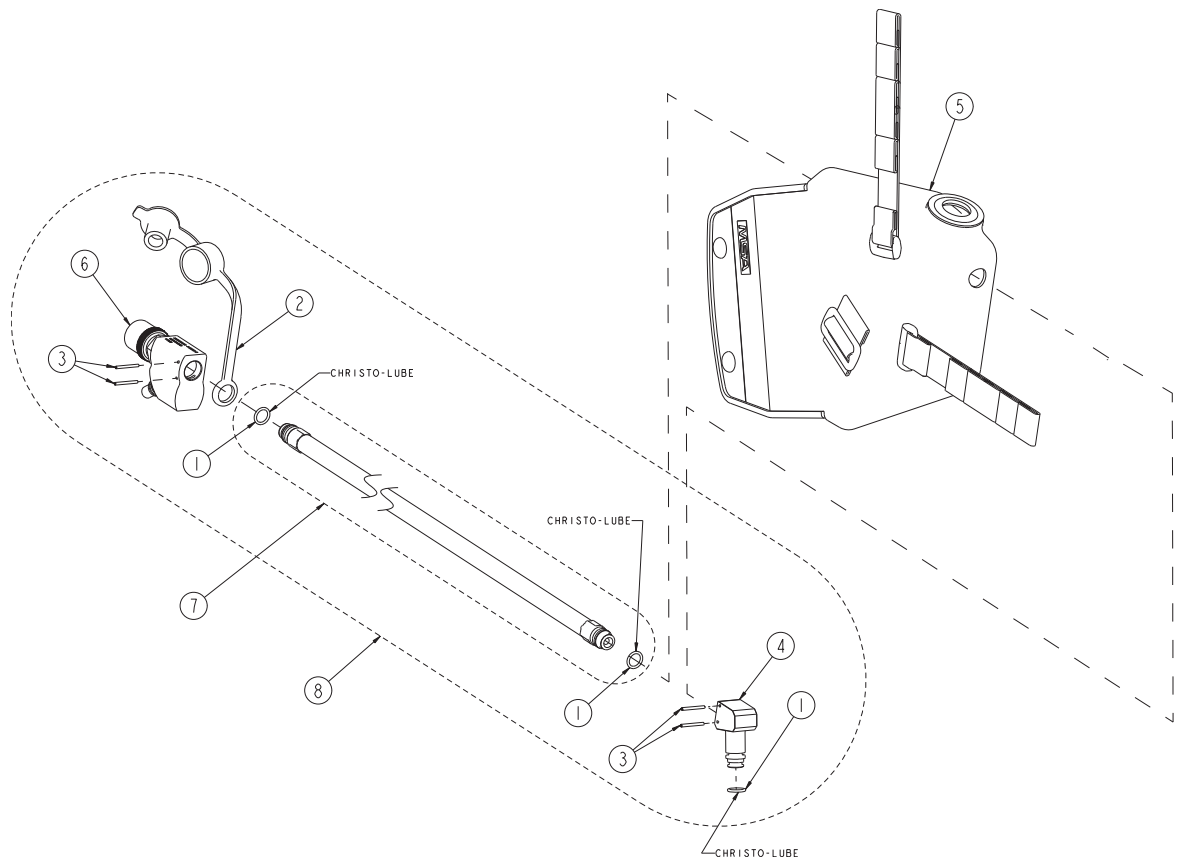


Fig. 15 Exploded View

Item	Quantity	Description	Part Number
1	3	O-RING, 2-012, SILICONE, 60A, ORANGE	697453
2	1	EXTENDAIRE II DUST COVER	10165475
3	4	STAINLESS STEEL COILED PIN	10171750-SP
4	1	G1 MEDIUM PRESSURE ELBOW	10165396
5	1	POUCH, G1 EXTENDAIRE II	10156466-SP
6	1	EXTENDAIRE II MANIFOLD, WITH FITTINGS	10165384
7	1	EXTENDAIRE II HOSE ASSEMBLY	10165388
8	1	EXTENDAIRE II HOSE AND MANIFOLD ASSEMBLY, G1 (LESS POUCH/STRAP)	10165383
		CHRISTO-LUBE	604070



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