

Tregaskiss® AW2 Fixed Automatic Water-Cooled MIG Guns

Issued August 2021 • Index No. AW2/1.1

Automatic Water-Cooled
MIG Welding Guns



Quick Specs

Duty Cycle Rating

100%: 600 amp with
CO₂ gas and mixed gases

Ratings are based on tests that comply with IEC 60974-7 standards

Processes

MIG (GMAW) Welding

Industry

Heavy Equipment
Heavy Fabrication

Welding Applications

Fixed/hard automation
Long repeatable seams
Fixed orbital

Ensure consistent high-quality welds while reducing downtime for maintenance and repairs

Tregaskiss® AW2 Water-Cooled Fixed Automatic MIG guns are designed for dependable performance in high amperage, high temperature hard tooling welding applications.

Maintenance personnel appreciate the simplicity of the gun design with internal threaded connections that stay tight inside the anti-vibration compression fit body for good electrical connectivity. This leads to longer life and minimal replacement parts.

Choose from 9.25" (23.5 cm) or 12.25" (31.1 cm) barrel lengths to better reach the weld. Available with or without a cable, this MIG gun adapts easily to most applications.

AccuLock™

Now Available!

AccuLock™ R Consumables are designed for increased tip life and replacement accuracy, which can reduce your replacement frequency and related downtime.



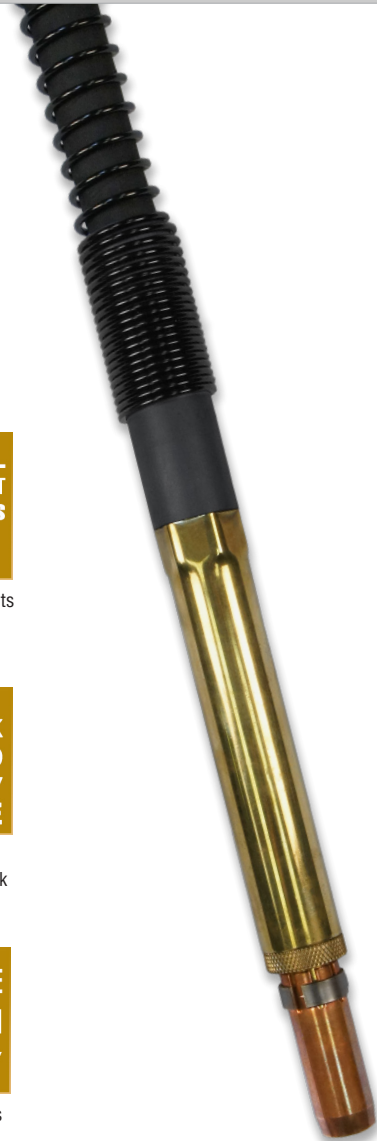
Few replacement parts results in low inventory costs



Simple design makes maintenance easy and quick



Choose from cable lengths ranging from 3' to 25'

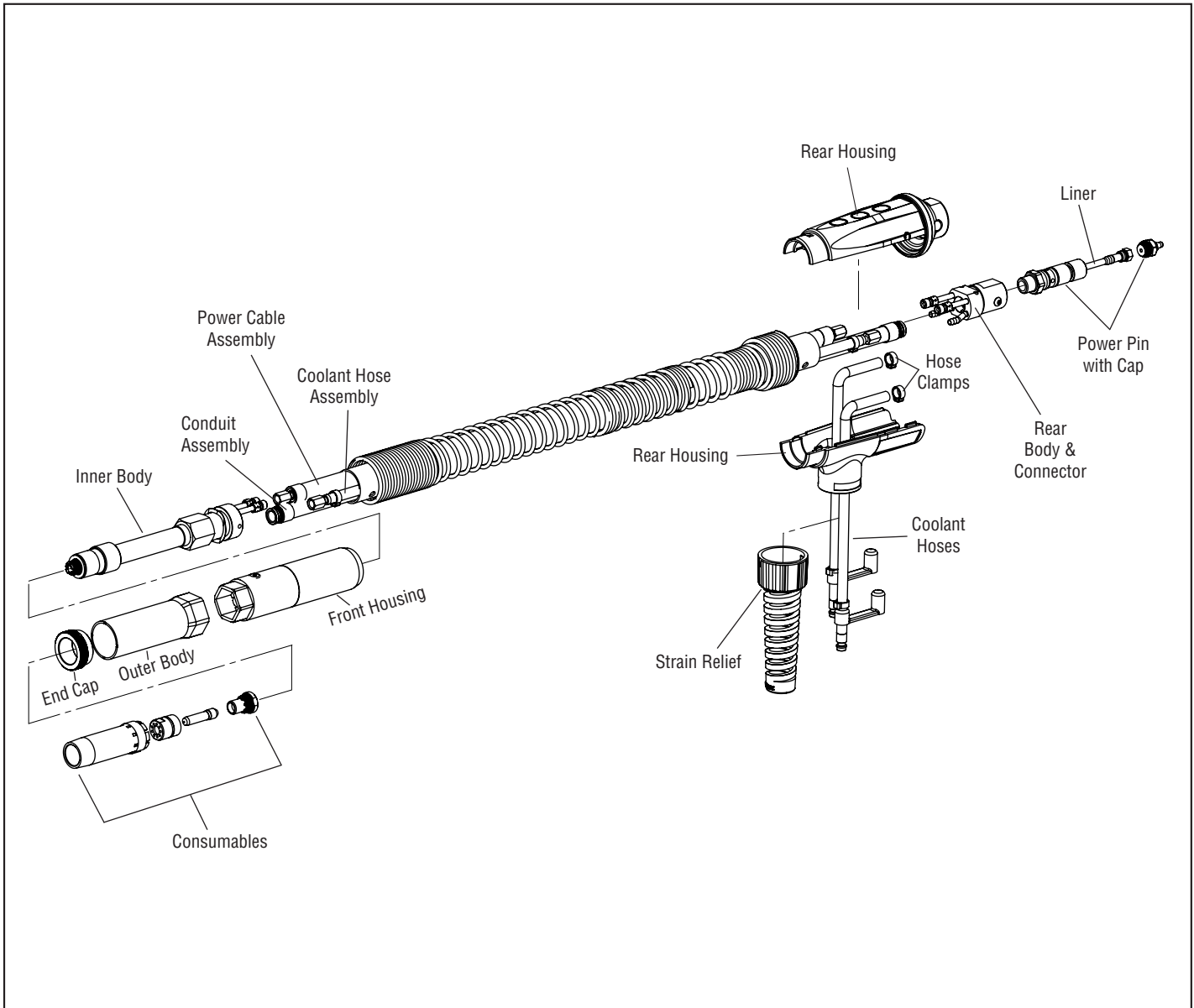


Tregaskiss
2570 North Talbot Road
Windsor, Ontario N0R 1L0
Canada

Phone: 1-855-MIGWELD (644-9353) (US & Canada)
+1-519-737-3000 (international)
Fax: 519-737-1530
For more information, visit us at Tregaskiss.com

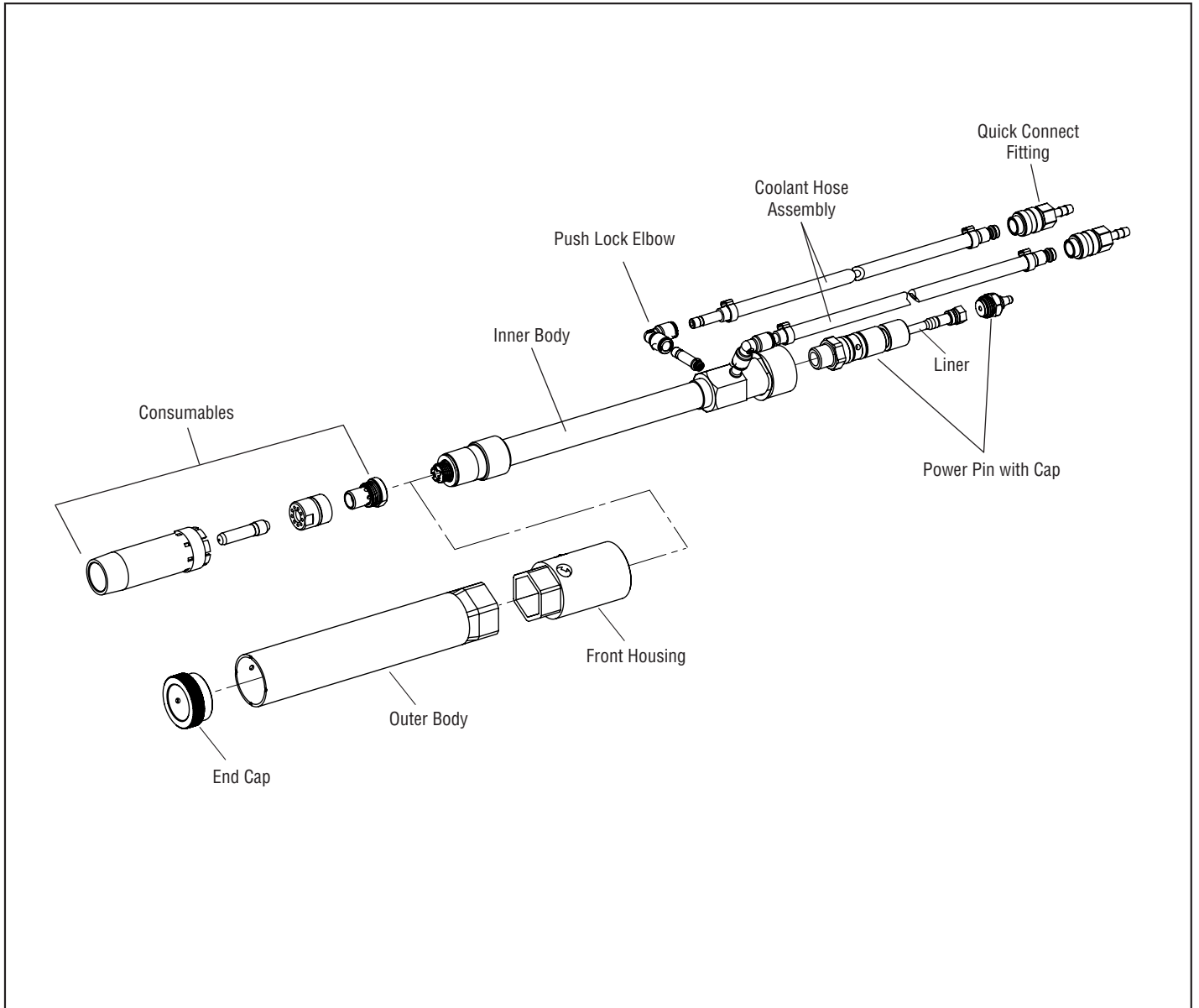
System Components

with Cable



System Components

without Cable



Know Your Options

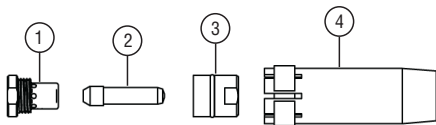


AccuLock™ R (Robotic) Consumables

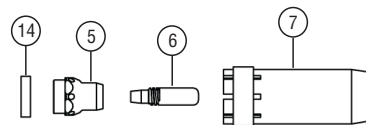
Eliminate contact tip cross-threading issues with new AccuLock R Consumables. These new consumables are designed for increased tip life, which can reduce replacement frequency and related downtime. AccuLock HDP Contact Tips can increase life by an additional 10x or more in pulse welding applications. In most cases, your current tip and diffuser can be replaced with no impact to Tool Center Point (TCP), making this upgrade low effort, low risk, and high payoff.

Consumables

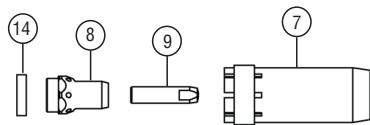
Option A: Centerfire™ Series



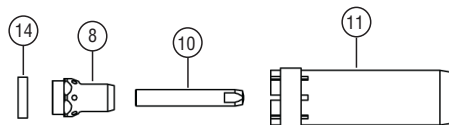
Option B: Quik Tip™ Series



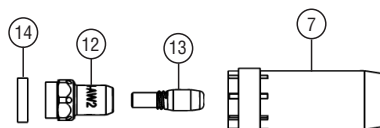
Option C: Elliptical - 7400 Series



Option D: Elliptical - 1500 Series



Option E: AccuLock™ Series



Item #	Part #	Description
1	DW-1	Centerfire Diffuser, water-cooled
2	T-045	Centerfire Contact Tip
3	THW-1	Centerfire Tip Holder, water-cooled
4	NW-3418C	Centerfire Nozzle, water-cooled, 1/8" recess
5	1070101	Quik Tip Diffuser, water-cooled
6	T1045	Quik Tip Contact Tip
7	5627	Elliptical 7400 Series & Quik Tip Nozzle, water-cooled, 1/8" recess
8	5623	Elliptical Diffuser, water-cooled
9	7491	Elliptical 7400 Series Contact Tip
10	1591	Elliptical 1500 Series Contact Tip
11	1110007	Elliptical 1500 Series Nozzle, water-cooled, 1/8" recess
12	D-ATSH-AW2	AccuLock R Diffuser
13	T-A045CH	AccuLock Contact Tip
14	1840003	Insulator

Consumables (Continued)

Conventional Liners for Solid Wire

L1A-15	for 0.023" (0.6 mm) - 0.030" (0.8 mm) wire; 15' (4.57 m)	L6A-15	for 5/64" (2.0 mm); 15' (4.57 m)
L1A-25	for 0.023" (0.6 mm) - 0.030" (0.8 mm) wire; 25' (7.62 m)	L6A-25	for 5/64" (2.0 mm); 25' (7.62 m)
L2A-15	for 0.030" (0.9 mm) - 0.035" (0.9 mm) wire; 15' (4.57 m)	L7A-15	for 3/32" (2.4 mm); 15' (4.57 m)
L2A-25	for 0.030" (0.9 mm) - 0.035" (0.9 mm) wire; 25' (7.62 m)	L7A-25	for 3/32" (2.4 mm); 25' (7.62 m)
L3A-15	for 0.035" (0.9 mm) - 0.045" (1.2 mm) wire; 15' (4.57 m)	L8A-15	for 7/64" (2.8 mm) - 1/8" (3.2 mm); 15' (4.57 m)
L3A-25	for 0.035" (0.9 mm) - 0.045" (1.2 mm) wire; 25' (7.62 m)	L8A-25	for 7/64" (2.8 mm) - 1/8" (3.2 mm); 25' (7.62 m)
L4A-15	for 0.045" (1.2 mm) - 1/16" (1.6 mm) wire; 15' (4.57 m)		
L4A-25	for 0.045" (1.2 mm) - 1/16" (1.6 mm) wire; 25' (7.62 m)		

Power Pins

Power Pins (with Cable)

2200008	Bernard®	2200099	Lincoln®	5060	Euro (requires 4816 Nut*)
2200101	Miller® (requires 2200135 Cap*)	2200118	Tweco® #4	2200102	National®
2200098	Hobart®	2200104	Tweco #5	2200108	OXO™

Power Pins (without Cable)

2200099	Lincoln®	2200118	Tweco® #4
2200101	Miller® (requires 2200135 Cap*)	2200104	Tweco #5

* Sold separately

Components

Barrel Length	Inner Body	Outer Body
9.25", Cable	AW2S-0925	B-1000
12.25", Cable	AW2S-1225	B-1300
9.25", No Cable	1370181A	B-1000
12.25", No Cable	1370181B	B-1300

Cable

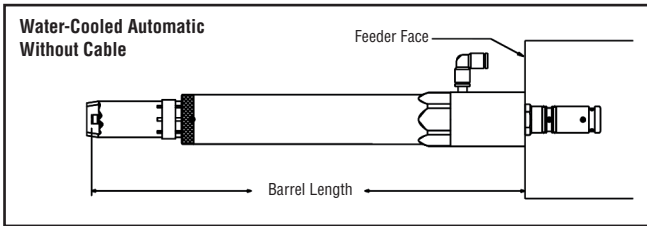
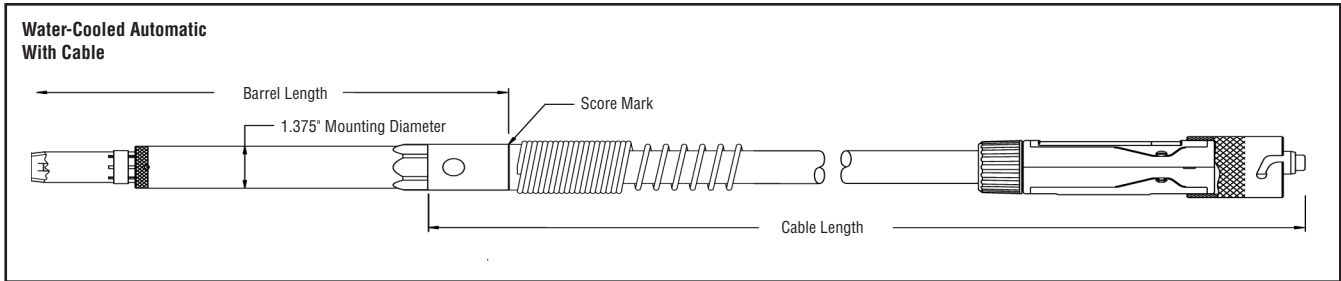
RPC-XX* or RPC-XX.X**	Power Cable Assembly
RRH-XX* or RRH-XX.X**	Return Hose Assembly
WC2CA-XX* or WC2CA-XX.X**	Conduit Assembly (Replacement O-Ring Part #2040008)
WC2OC-XX* or WC2OC-XX.X**	Outer Jacket Replacement

NOTE: Lengths available from 3' to 25' in increments of 0.5'

*XX represents length (i.e. RPC-03 = 3.0' length)

**XX.X represents length (i.e. RPC-05.5 = 5.5' length)

Measuring Barrel Length and Cable Length



Functional gun length will vary with your choice of consumables. Front end consumable combinations other than the standard consumables can introduce a gun length variance of ± 0.25 " (6.4 mm). Tolerance on assembled cable length is ± 2 " (50.8 mm). Length will vary depending upon power pin used.

Accessories

TOUGH GARD Anti-Spatter Liquid



This ready-to-use water-soluble, non-toxic product creates a sacrificial surface that reduces spatter adhesion. This prolongs the life of your consumables and minimizes downtime due to nozzle cleaning which can help reduce your operating and maintenance costs.

TOUGH GARD Anti-Spatter Liquid

- TG-101-05** 5 U.S. Gallon / 18.92 L
- TG-101-55** 55 U.S. Gallon / 208.3 L
- TG-101-01** 1 U.S. Gallon / 3.78 L
- TG-101-32SP** 25.36 fl. oz. / 750 mL (spray bottle)
- TG-101-14S** 14 fl. oz. / 414 mL

Kits

- | | | |
|----------------|----------------------------------|---------------------------------------------------------------------------------|
| 1880159 | Pitch Rack Kit: AWS Style | Includes 32 pitch racks with mounting screws |
| | | <i>Requires a minimum gun length of 9.60" (245 mm) and is field installable</i> |
| WC2HK-1 | Water Cooler Hookup Kit | Includes two 15' hoses and fittings to connect our gun to a water cooler |
| WC2HK-2 | Water Cooler Hookup Kit | Includes 30' hoses and fittings to connect our gun to a water cooler |

Ordering Information *(With Cable)*

Water-Cooled Automatic Series			Amp	Cable Length			Power Pin	Barrel Length	Consumables
A	W	2	6	0	4	8	M	A	E
<i>Note: Tolerance on assembled Cable Length is ± 2"</i> <i>See page 6 for how to measure cable length</i>				036	3.0'	B Bernard™ E Euro H Hobart® L Lincoln® M Miller® N National® O OXO™ T Tweco® #4 W Tweco #5	A 9.25" B *12.25" <i>*All automatics with a gun length of 12.25" will accept a pitch rack</i>	A Centerfire™ Series B Quik Tip™ Series C Elliptical, 7400 Series D Elliptical, 1500 Series E AccuLock™ Series	
				042	3.5'				
				048	4.0'				
				054	4.5'				
				060	5.0'				
				066	5.5'				
				072	6.0'				
				078	6.5'				
				084	7.0'				
				090	7.5'				
				096	8.0'				
				102	8.5'				
				108	9.0'				
				114	9.5'				
				120	10.0'				
				126	10.5'				
				132	11.0'				
				138	11.5'				
				144	12.0'				
				150	12.5'				
				156	13.0'				
				162	13.5'				
				168	14.0'				
				174	14.5'				
				180	15.0'				
				186	15.5'				
				192	16.0'				
				198	16.5'				
204	17.0'								
210	17.5'								
216	18.0'								
222	18.5'								
228	19.0'								
234	19.5'								
240	20.0'								
246	20.5'								
252	21.0'								
258	21.5'								
264	22.0'								
270	22.5'								
276	23.0'								
282	23.5'								
288	24.0'								
294	24.5'								
300	25.0'								

Ordering Information *(Without Cable)*

Water-Cooled Automatic Series			Amp	Cable Length			Power Pin	Barrel Length	Consumables
A	W	2	6	0	0	0	M	A	E
<i>Note: Guns without cable come with 60" water hoses for connection to water circulator</i>							L Lincoln®	A 9.25"	A Centerfire™ Series
							M Miller®	B *12.25"	B Quik Tip™ Series
							T Tweco® #4	*All automatics with a gun length of 12.25" will accept a pitch rack	C Elliptical, 7400 Series
							W Tweco #5		D Elliptical, 1500 Series
								E AccuLock™ Series	

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Subject to Change – The information presented in this spec sheet is accurate to the best of our knowledge at the time of printing. Please visit Tregaskiss.com for the most up-to-date information.

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