

FOCUS TROUBLESHOOTING GUIDE

SUSPENDED GAS MODELS

ERGOFOCUS GAS - GYROFOCUS GAS

FUNCTION		POSSIBLE CAUSE		REMEDY	
1	HANDSET START: Press both buttons to start ignition (IGN) sequence. Beep will occur each second.	No →	Transmitter batteries low.	Replace transmitter batteries.	
			Receiver batteries low.	Replace receiver batteries with 1.5V "AA" quality alkaline batteries.	
			Check coding of transmitter and receiver. (Initial sync.)	Learn new code (reset). See label on receiver.	
			Transmitter distance limited.	1. Straighten the antenna. 2. Replace receiver. See wiring diagram, p. 45.	
OK ↓					
2	Magnet unit is energized (audible thud to detect functionality).	No →	No beep →	Impulse magnet not operating properly.	Replace gas valve.
		No →	3 short beeps →	Low batteries.	Replace receiver batteries with 1.5V "AA" quality alkaline batteries.
		No →	1 long beep →	8-wire cable Off/not operating properly.	Check 8-wire cable.
				SW-cable disconnected.	Check cable connection. See figure 29 on page 43
				Motor not operating properly.	Replace gas valve.
				Micro switch not operating properly.	Replace gas valve.
OK ↓					

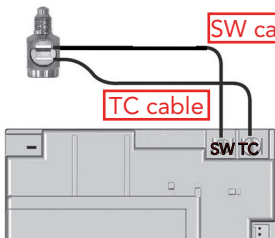
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FUNCTION		POSSIBLE CAUSE	REMEDY
3	Spark will occur each second.	No → Ignition components not operating properly.	Check connection between cable & IGNelectrode. See wiring diagram, p. 45.
			Check IGN-electrode spark gap. See wiring diagram, p. 45.
			Check IGN-electrode. See wiring diagram, p. 45.
			Check IGN-cable for damage. See wiring diagram, p. 45.
			Increase distance between IGN-cable and all metal parts. Shorten IGN-cable if possible or cover, e.g. silicon hose. See wiring diagram, p. 45.
	No → IGN-sequence stops, no pilot flame. No reaction to transmitter command. (Controller crashes.)		Press RESET button. See "pairing the remote control" p. 33.
			Add ground wire between pilot burner and valve. See wiring diagram, p. 45.
			Do not coil the IGN-cable.
	No → IGN-sequence stops, no pilot flame. Transmitter command is possible.		Shorten IGN-cable if possible (no longer than 2' 11" (900 mm)). See wiring diagram, p. 45.
			Replace receiver batteries with 1.5V "AA" quality alkaline batteries.

OK



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4	Pilot lit.	No →	TC- and SW-cable reversed.	Check connection of cable to receiver and interrupter. See figure 29.	
			Magnet unit not operating properly.	Replace gas valve or (magnet unit).	
			Short between interrupter and SW-cable.	Check connection to interrupter.	
			No gas (magnet unit drops after 30 second audible count).	Check gas supply.	
					
		Fig 29			
5	Sparkling stops after pilot is lit.	No →	Short between interrupter and TC-cable.	Check connection to interrupter. See figure 29.	
			Electronic measuring amplifier defective.	Replace Receiver. See wiring diagram, p. 45.	
6	Motor turns to main gas and pilot stays lit.	No →	Resistance in thermo current circuit too high.	Check cable in thermo-current circuit. See wiring diagram, p. 45.	
			Magnet unit drops (audible sound).	Not enough heat on thermocouple.	Check position of pilot to thermocouple and intensity of pilot flame.
			Low voltage from thermocouple.	Replace thermocouple Do not overtighten (hand tight +1/4 turn max).	
			Short because thermocouple end is damaged or not centered.	Replace thermocouple. Do not overtighten (hand tight +1/4 turn max).	
			IGN-sequence stops. No reaction to transmitter command (Controller crashes).	Press RESET button. See "pairing the remote control" p. 33.	
		OK ↓			Add ground wire between pilot burner and valve. See wiring diagram, p. 45.
					Do not coil the IGN-cable.
					Shorten IGN-cable if possible (no longer than 2' 11" (900 mm)). See wiring diagram, p. 45.

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	FUNCTION		POSSIBLE CAUSE	REMEDY
7	Main burner is lit.	No →	Manual knob in "MAN" position.	Turn manual knob to "ON" position (positive latch is required).
	OK ↓			
8	Main burner stays lit.	No →	Too much draft at pilot (poor flame impingement of thermo-couple).	Check installation.
	OK ↓			
9	Magnet unit drops while motor turns. 3 beeps.	No →	Low batteries.	Replace receiver batteries with 1.5V "AA" quality alkaline batteries.