

# Discovery Report

Customer Ref. No. : ODL 23-000000329  
 Olympus Ref. No. : 51883155

## Olympus Customer Service

Olympus Italy S.R.L.  
  
 Via Modigliani 45  
 20054 Segrate (Milano)  
 E-Mail:

## Customer

A.U.S.L. DI RIETI  
 Paola GRILLO  
 VIA DEL TERMINILLO, 42  
 02100 RIETI (RI)  
 E-Mail: p.grillo@asl.rieti.it

## Instrument

Model : GIF-H190N  
 Serial No. : 2102210  
 Customer Asset ID :

Dear User,

The above product has been thoroughly inspected for defects. In order to obtain a comprehensive impression of the condition of your product, as well as any defects found, the results of the inspection with images of the damage found is below.

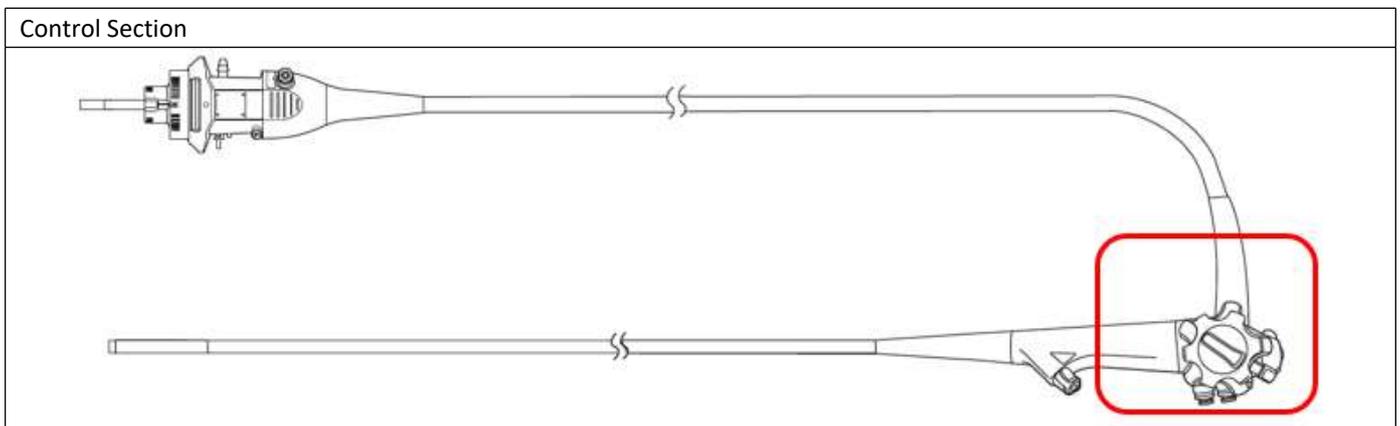
If you have any questions, please do not hesitate to contact us.

## Inspection Result

No.	Inspection Name	Result
1	Cumulative uses	868 times
2	Cumulative time	18263 min
3	Air Leak Inspection	Pass
4	Electrical Continuity Inspection	Fail
5	Insertion Tube Insulation	Pass
6	Distal End Insulation Inspection	Fail
7	Scope Connector Connection Inspection	Pass
8	Scope ID Functions - Models with Built-in Scope ID Chip using GIR Video Processors	Pass
9	NBI Function Inspection -Models with NBI Capability	Pass
10	Image Inspection - Illumination	Pass
11	Image Inspection - White/Black Dots	Pass
12	Image Inspection - Flare Streak	Pass
13	Image Inspection - Foggy	Pass
14	SW Function Inspection	Pass
15	Water Contact	Not Possible
16	Water Removal	Not Possible
17	Air Supply Volume	Not Possible
18	Water Supply Volume	Not Possible
19	Suction Volume	Not Possible
20	Natural Air Supply Volume at Idle	Not Possible
21	Channel Cleaning Brush Passage	Pass
22	Forceps Passage	Not Possible
23	Angle Knob Rotation/Angulation Directions/Knob Play/Bending Angles	Fail
24	Angle Knob Neutral Position	Not Possible
25	UD Angle Lock Lever Concurrent Rotation/RL Angle Lock Knob Concurrent Rotation	Not Possible
26	UD/RL Knob Locking Certainty	Not Possible
27	Bending Return Angle	Not Possible
28	RFID Function Inspection - Models with Built-in RFID Chip	Pass
29	Overall Appearance	Fail
30	Light Guide Illumination Inspection	Pass
31	C-cover (C-body) - Scratches, Dent, Cracks, or Snags	Fail

No.	Inspection Name	Result
32	Nozzle Appearance	Pass
33	Objective Lens - Cracks, Chips, Scratches, or Stain	Non Critical
34	LG Lens - Cracks, Chips, Scratches, or Stain	Fail
35	A-rubber - Tension, Slack, Scratches, or Deterioration	Not Possible
36	A-rubber - Sunken Folds	Not Possible
37	A-rubber - Adhesive Deterioration and Separation on the Thread-wound Sections	Not Possible
38	Insertion Section Bending Property	Not Possible
39	Insertion Tube Snakiness	Not Possible
40	Insertion Tube Buckles and Coating Peel-off/Buckles on Protector Insertion Section	Fail
41	BCU Exterior Insulation	Pass
42	Water Leakage Stain Inspection (BCU)	Pass
43	Water Leakage Stain Inspection (Grip)	Pass
44	Water Leakage Stain Inspection (S-connector, 190/185/290-Series)	Non Critical
45	Connecting Part Of Bending Section and Insertion Tube	Pass
46	Labeling Inspection	Pass
47	Image Noise/ Image Disappearance at Angulation/ Error Code Check	Pass
48	Image Inspection - Resolution	Pass

### Detail Of Fail



No.	Result	Repair Contents	Condition
Overall Appearance			
29	Non Critical	AW-cylinder	Appearance defect
		AW-cylinder has discoloration.	



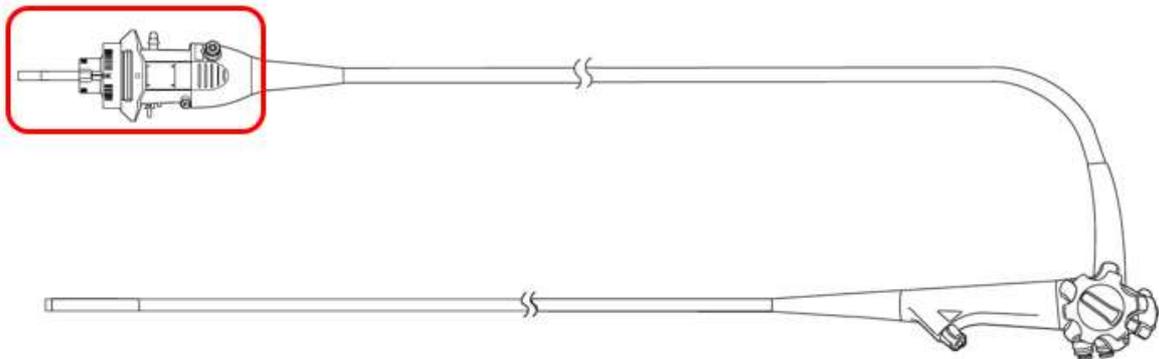
No.	Result	Repair Contents	Condition
Overall Appearance			
29	Non Critical	S-cylinder	Appearance defect
		S-cylinder has discoloration.	



Overall Appearance			
29	Non Critical	Grip	Crack, damage or deformation of parts
		Grip is shaved.	



Endoscope connector

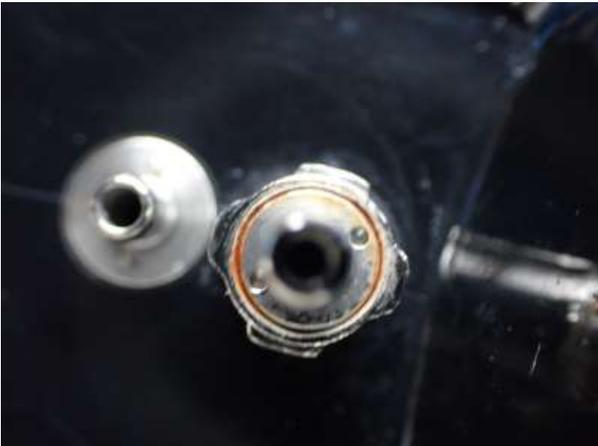


No.	Result	Repair Contents	Condition
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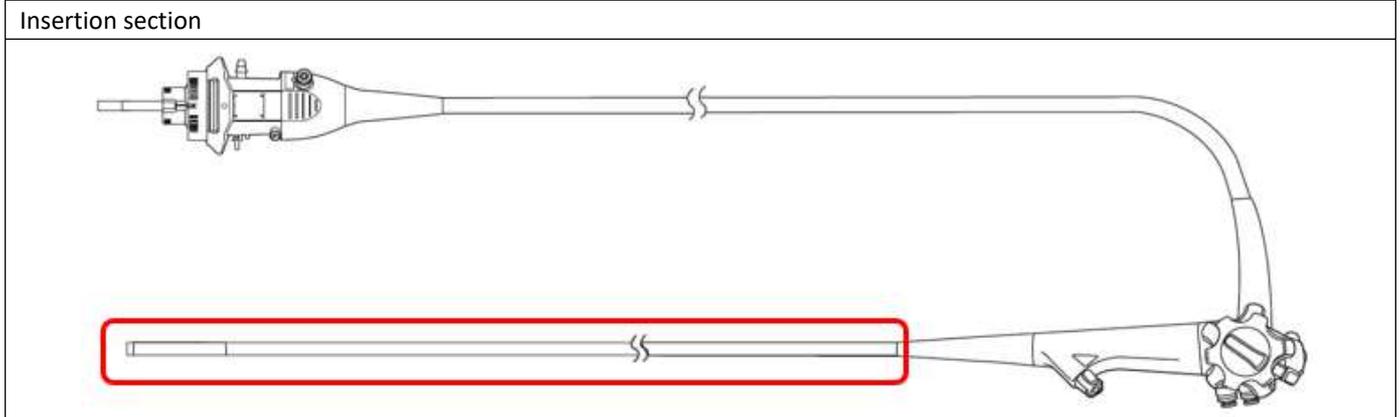
No.	Result	Repair Contents	Condition
29	Non Critical	Plug unit	Crack, damage or deformation of parts
		Plug unit has a scratch.	



29	Fail	Mouthpiece	Appearance defect
		Mouthpiece has corrosion.	



No.	Result	Repair Contents	Condition
Water Leakage Stain Inspection (S-connector, 190/185/290-Series)			
44	Non Critical	S-connector	Appearance defect
		S-connector has corrosion due to water leakage.	



No.	Result	Repair Contents	Condition
Electrical Continuity Inspection			
4	Fail	Distal end	Crack, damage or deformation of parts
		No electrical continuity due to damage on distal end.	
Distal End Insulation Inspection			
6	Fail	C-cover	Crack, damage or deformation of parts
		Due to a chip on C-cover, insulation resistance value at distal end does not meet the standard value.	
Angle Knob Rotation/Angulation Directions/Knob Play/Bending Angles (Confirmed User Complaint)			
23	Fail	Angle wire	Wear
		Due to wear of angle wire, bending angle in UP direction does not meet the standard value.	

No.	Result	Repair Contents	Condition
31	<b>Fail</b>	C-cover (C-body) - Scratches, Dent, Cracks, or Snags	Crack, damage or deformation of parts
		C-cover has a dent.	



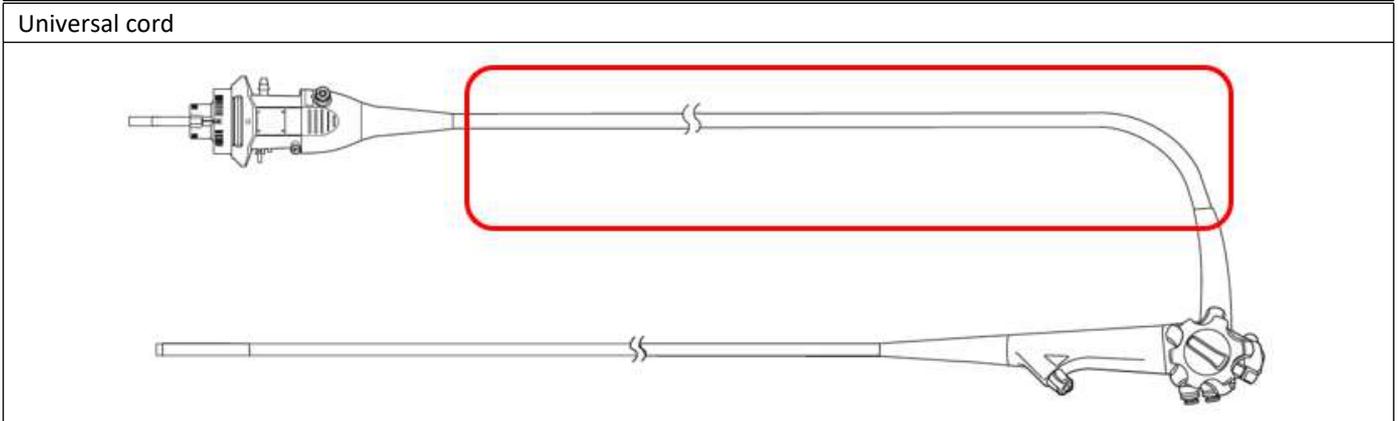
No.	Result	Repair Contents	Condition
33	<b>Non Critical</b>	Objective Lens - Cracks, Chips, Scratches, or Stain	Crack, damage or deformation of parts
		Objective lens has a chip.	



No.	Result	Repair Contents	Condition
34	<b>Fail</b>	LG Lens - Cracks, Chips, Scratches, or Stain	Crack, damage or deformation of parts
		LG lens has a crack.	



Insertion Tube Buckles and Coating Peel-off/Buckles on Protector Insertion Section			
40	<b>Fail</b>	Connecting tube	Crack, damage or deformation of parts
		Connecting tube has a buckling.	



No.	Result	Repair Contents	Condition
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No.	Result	Repair Contents	Condition
29	<b>Fail</b>	Universal cord	Crack, damage or deformation of parts
		universal cord has buckling.	



### Test Protocol Electrical safety test of Endoscopes

Grounding		Ω	Fail
Insertion Section Insulation	33.6	MΩ	Pass
Distal End Insulation	-9999	MΩ	Fail
Overall Result			Fail

Date : 27.02.2023

This is an automated document and valid without a signature.