

J25

4U Active Air Cooler

PRODUCT SPECIFICATIONS

Speficiation Version: 04/08/2025

(Specifications are subject to change without notice)

Model Number: J25

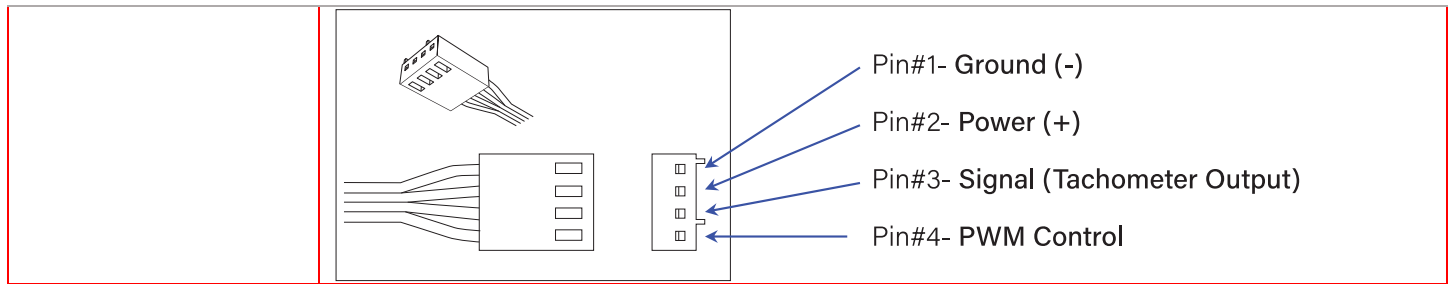
- Recommend for AMD® CPU as following
 - AMD® Processor Family, Socket SP7
- Active Air Cooler for 4U Server and Up

Overall Specification

Dimension	120.0 x 103.6 x 129.0 mm
Weight	<i>Pending sample test</i>
Material	Aluminum Fin + Heat pipes + Copper Heat Spreader Embedded Aluminum Heatsink Base
Thermal Grease	Shin-Etsu 8195-4 or Equivalent Pre-Printed
TDP	Up to 600 Watts

Cooling Fan Specification

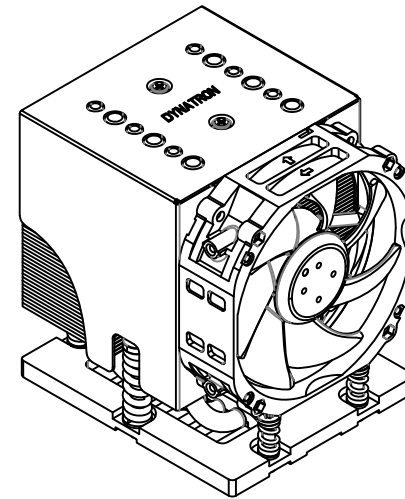
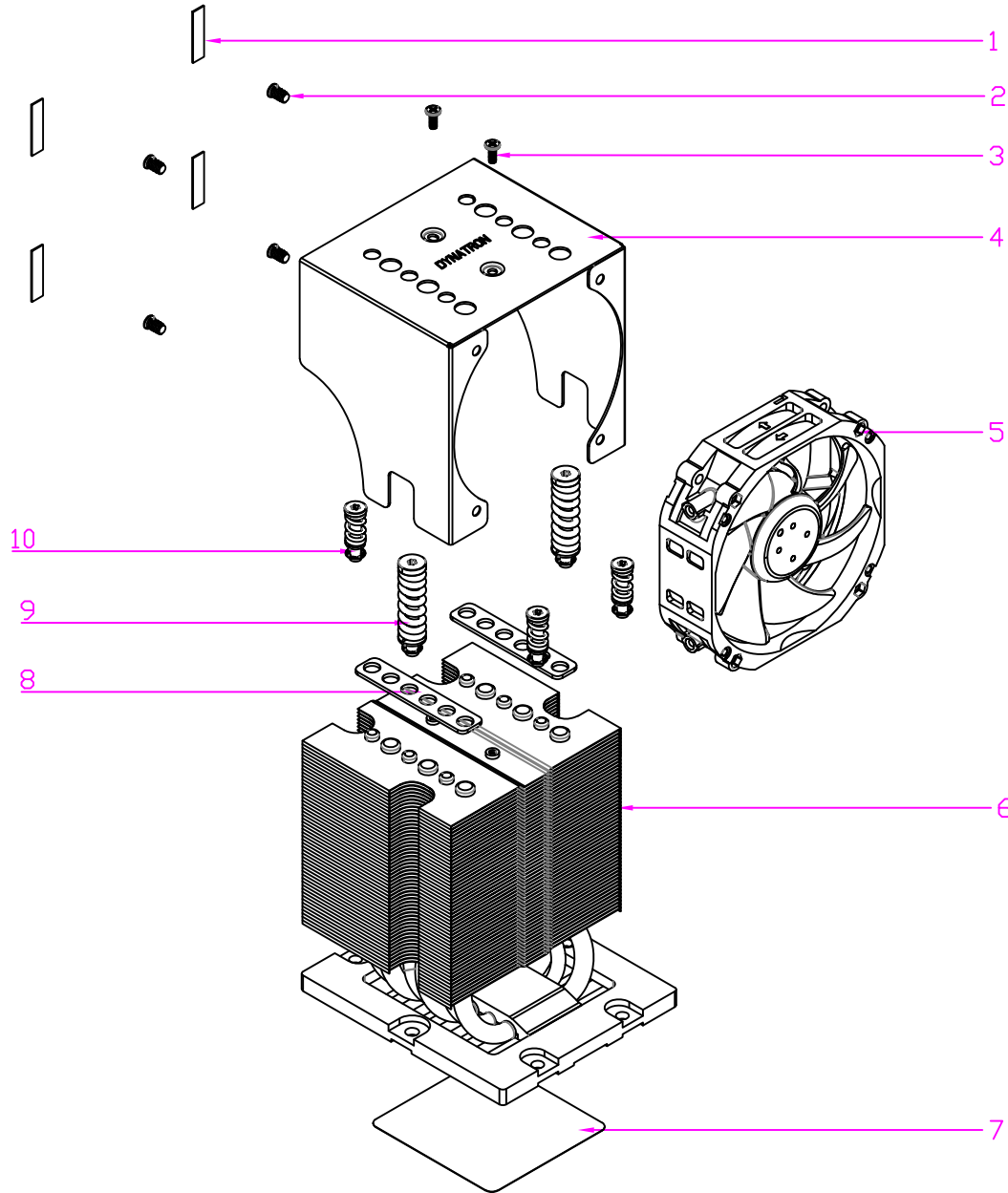
Model Number	DF121030BX
Dimension	102.0 x 102.0 x 30.8 mm
Bearing	Double Ball
Rated Voltage	DC 12V
Rated Speed	At Duty Cycle 0~20%: 1250± 200 RPM At Duty Cycle 50%: 3100± 10% RPM At Duty Cycle 100%: 6000±10% RPM
Input Power	At Duty Cycle 0~20%: 0.72 W At Duty Cycle 50%: 3.0 W At Duty Cycle 100%: 19.2 W
Maximum Airflow	At Duty Cycle 0~20%: 34.33 CFM At Duty Cycle 50%: 60.33 CFM At Duty Cycle 100%: 116.77 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 0.99 mm-H2O At Duty Cycle 50%: 6.11 mm-H2O At Duty Cycle 100%: 22.89 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 20.88 dBA At Duty Cycle 50%: 40.60 dBA At Duty Cycle 100%: 54.94 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Black (+) Pin#3- Black (Tachometer/ Signal Output) Pin#4- Black (PWM)

J25 | Socket SP7


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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	MichaelF	04/04/25
0.1	FAN AND HEAT PIPE GEOMETRY UPDATE	MichaelF	04/08/25

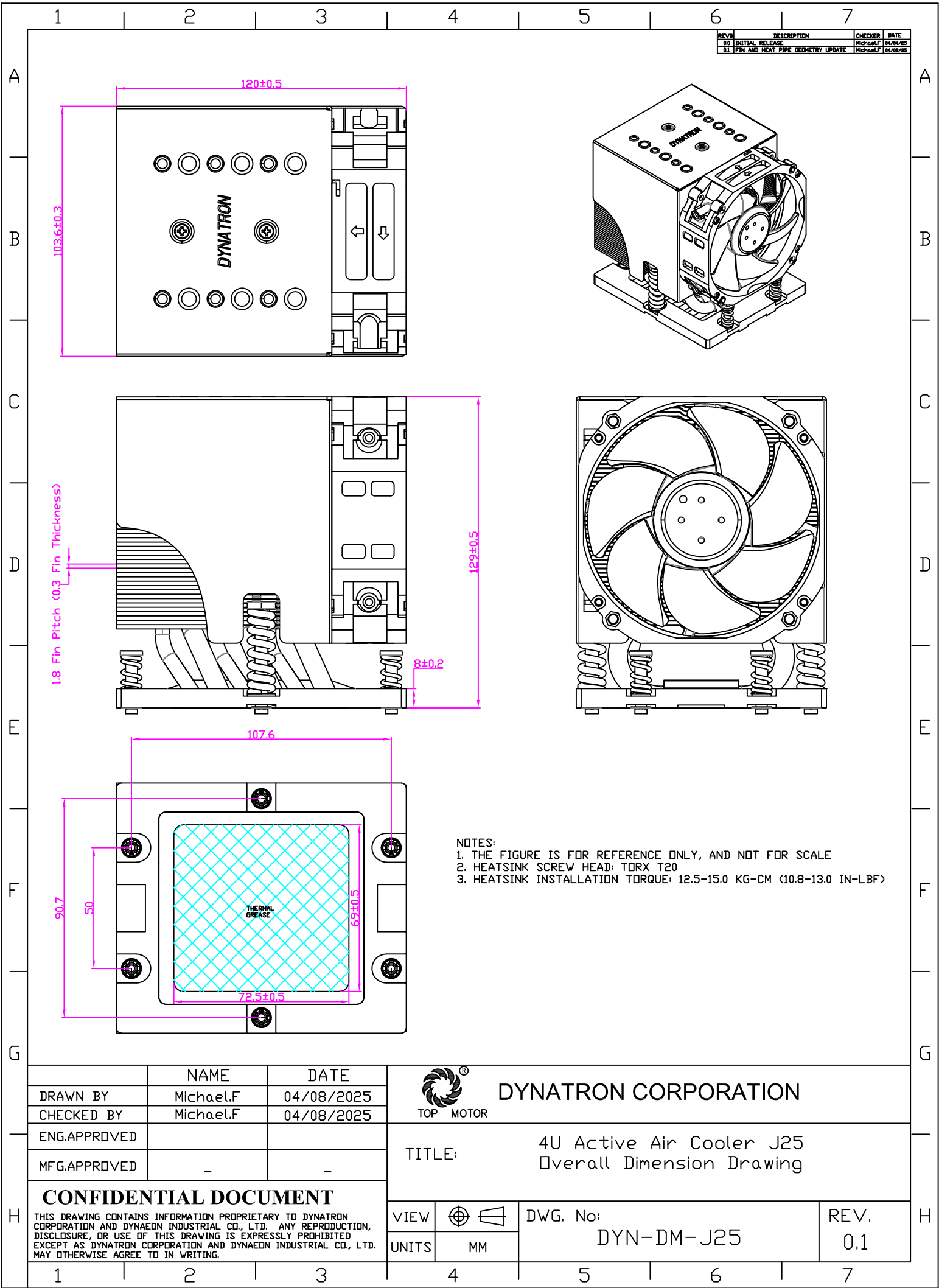


10	INSTALLATION SCREW KIT (CORNER)	STEEL	4
9	INSTALLATION SCREW KIT (CENTER)	STEEL	2
8	FAN RETENTION BRACKET GASKET PAD	FOAM	2
7	THERMAL GREASE	SHIN-ETSU 8195-4 or EQUIVALENT	N/A
6	HEATSINK	COPPER + AL BASE, HEAT PIPE, AL FINS	1
5	FAN 10330, 6000RPM	PLASTIC	1
4	FAN RETENTION BRACKET	SPCC	1
3	FAN RETENTION BRACKET SCREW	STEEL	2
2	FAN SCREW	STEEL	4
1	GASKET PAD, HEATSINK	FOAM	4
ITEM #	DESCRIPTION	MATERIAL	QTY.

	DATE	NAME	 TOP MOTOR DYNATRON CORPORATION	
DRAWN	04/08/25	Michael.F	TITLE: 4U Air Cooler J25 BOM & Exploded Assembly Drawing	
CHECKED	04/08/25	Michael.F		
ENG. APPR.				
MFG. APPR.				
QA				
COMMENTS:			DWG. No: DYN-EP-J25	REV 0.1

NOTES:

1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE



REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	Michael.F	04/04/25
0.1	FDN AND HEAT PIPE GEOMETRY UPDATE	Michael.F	04/08/25

- NOTES:
1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE
 2. HEATSINK SCREW HEAD: TORX T20
 3. HEATSINK INSTALLATION TORQUE: 12.5-15.0 KG-CM (10.8-13.0 IN-LBF)

	NAME	DATE
DRAWN BY	Michael.F	04/08/2025
CHECKED BY	Michael.F	04/08/2025
ENG.APPROVED		
MFG.APPROVED	-	-

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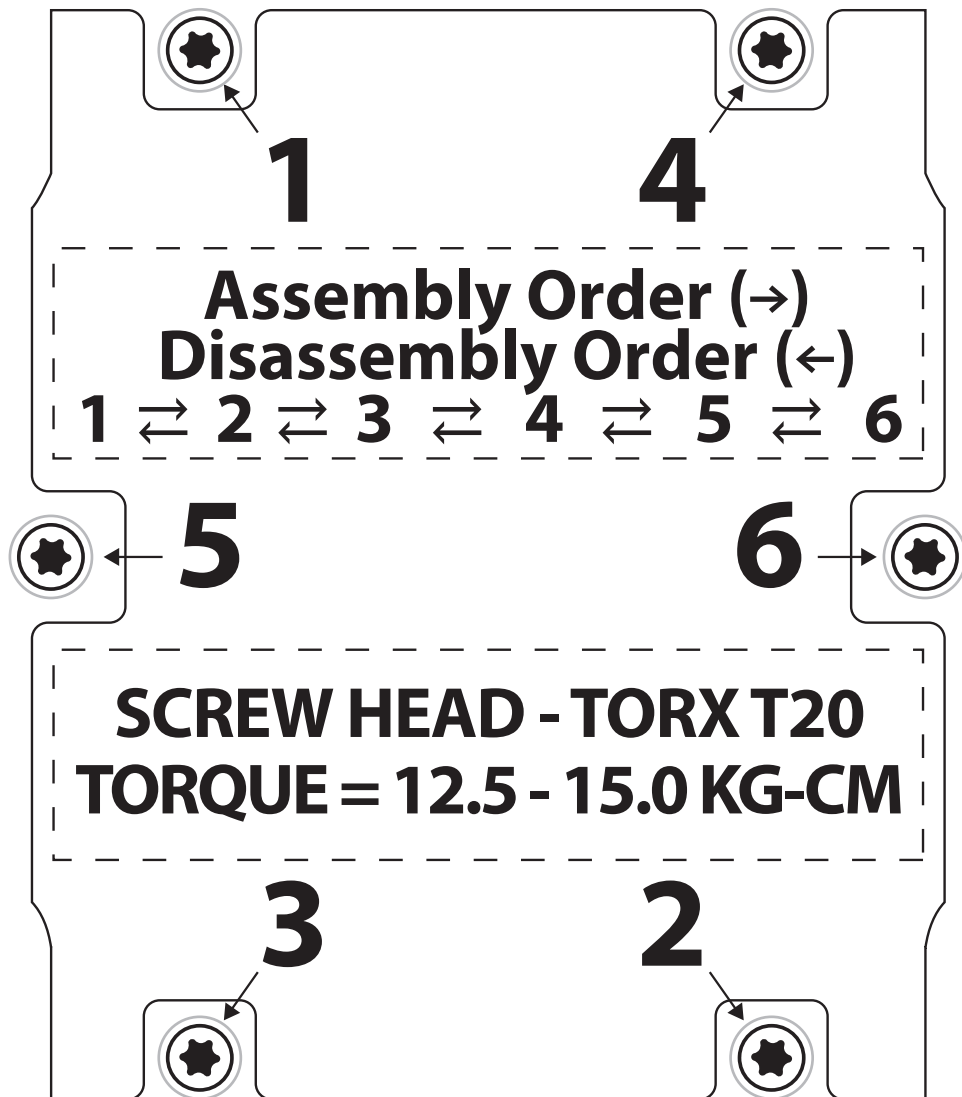


DYNATRON CORPORATION

TITLE: 4U Active Air Cooler J25
Overall Dimension Drawing

VIEW	UNIT	DWG. No:	REV.
TOP	MM	DYN-DM-J25	0.1

Recommended Torque Application Pattern for Socket SP7 Coolers



WARNING: Failure to attach thermal solutions one-at-a-time in the sequence 1-2-3-4-5-6 and failure to remove thermal solutions one at a time in the sequence 6-5-4-3-2-1 can lead to permanent socket damage.

Publication History:

04/08/2025: Fin and Heat Pipe Geometry Update

04/04/2025: Initial Release

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