

Product Audit DN1150 LH Corner Propane Fireplace

QA113

Conducted: June 2024, Sarsha B, Matthew L

Products Audited:

Product	Serial number/part number
DN1150 LH Corner Propane	142253 / 908108

Summary:

The following table summarizes the issues observed during the audit.

Description of fields:

Safety: The issue may cause an injury

Unfit for Purpose: A major issue that makes the product or part unusable as intended

Factory/Design: A minor issue that is unlikely to affect either installer or end user

Installer: An issue that may cause problems for the installer, but unlikely to affect the end user.

End User: An issue that may cause some problem for our users or result in warranty calls.

Observations: General questions.

Scoring:

Scoring methodology is to start with 100% and then reduce at the following rates:

Safety: Deduct 11 per occurrence

Unfit for Purpose: Deduct 11 per occurrence

User: Deduct 4 per occurrence

Installer: Deduct 2 per occurrence

Factory: Deduct 1 per occurrence

Observations: No deductions made, opportunity for improvement

Action chart

● 96-100: No additional action required

● 90-95: Review with Quality, team leads/managers as appropriate

● Lower: Process review. Any safety item OR not fit for purpose: Review with Quality, team leads/managers

Overall Notes:

Brief Description	Observation	Safety	Unfit for Purpose	Factory/Design	Installer	User
Packaging - broken polystyrene	0					
Torn data label					2	
Sheetmetal label placement	0					
1/4 turn screws difficult to undo	0					
Glass scraping on metal	0					
Back panel screws sharp inside firebox		11				
Website installation manual needs updating	0					
Scratches on the brass tee fitting	0					
Reflective panel not properly secured					2	
Bent infill	0					
Totals		11			4	
Final Score:	85					





Problems Resolved During Audit:

- Replaced broken polystyrene in packing.
- Refitted reflective panel

Recommended Future Actions:

Recommendation	Department/Person Responsible
Should the sheetmetal label be placed on the sheet-metal?	Product Improvement
Find more suitable solution for the back panel screws	Product Improvement
Monitor how often reflective panel comes detached and possibly come up with a fix for it.	Assembly / Product Improvement
Investigate if 104296 needs painting.	Product Improvement

Packaging:

Front	Back	Sides
		 

Packaging appropriate. All wood braces screwed/stapled in, no sharp edges or nails and screws.



Broken polystyrene on top left of fire. Replaced it.

Product Labelling:

External Images:

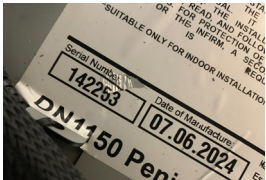


All labels present.

“Glue wallboard to this sheet metal” label placed on plastic cover. This label should be placed on the sheetmetal.



Internal Images:



All labels present. Note: tear on data label.

Serial number in all relevant locations: Serial numbers located on build card, electronics tray, data label, and remote.

Exterior of Product:

Painting: All powdercoated parts were free from scratches. Note: 104296 does not seem to require painting and should be investigated.



Glass: Free of scratches and bubbles. Note: Sound of glass scratching on metal when removing glass.

Fasteners: All screws and rivets present. Note: 1/4 turn screws were a bit stiff to undo.

Manual, User Guide, Warranty Card, Warranty Booklet:

Website Version: Manual is 630719_5, which is the previous revision.

Printed Version: All accounted for. Manual is 630719_6, which is the current revision.

Corrections Needed: Website manual needs to be updated.

Accessories Kit:

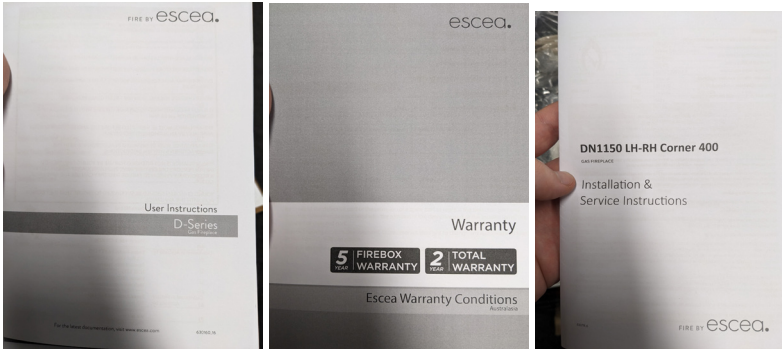
Remote: Has the correct serial number.



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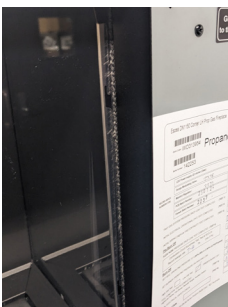
Interior of Product:

Painting: No chips or scratches in the painting.

Fasteners: All screws and rivets present. Back panel screws stick into firebox, creating sharp edges.

Pressure Switch Model and Tubing: Correct pressure switch installed. Tubing well spaced and free of kinks.

TCO: Both TCOs are correct.



Reflective panel not properly secured in the fire.



Infill bent at front left corner.



Screws for the back panel create sharp edges inside the firebox; this is a safety hazard.

Burners:

Jets: Jets are the correct size - 1.25mm for the middle burner and 0.95mm for the side burners. These were checked with pin gauges.

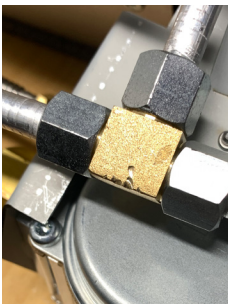
Collars: Collars are the correct size - 8.0mm for the middle and 3.5mm for the side burners. These were checked with callipers.

Welding/painting: There was weld splatter at the end of one burner and the cross light ports at the ends of the burners had been welded over at the top.



Gas Tray:

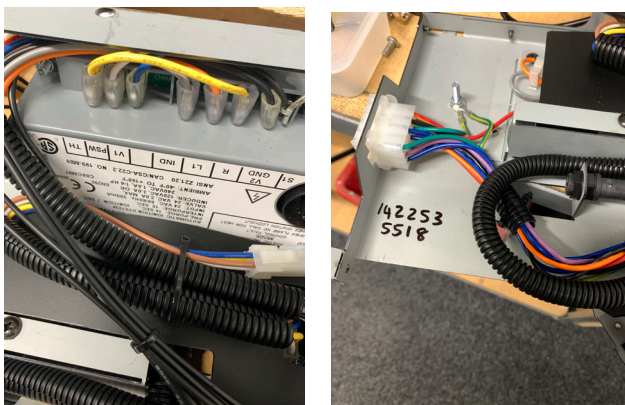
Pipework: Gas tray passed the leak test.



Fasteners: Scratches on the brass tee fitting.

Electronics:

Wiring: Wiring was all correct. No loose pins.



Fasteners: All fasteners correct and present.

Build Card:

Build card completed and filled out correctly.

to this Sheetmetal

Escea DN1150 Corner LH Prop Gas Fireplace

Work Order: WO313954

Propane

Serial Number: 142253

LED Power supply QC sticker (Date):

KS1460 ONLY

Dungs Modulating Valve: 2228

Maxitrol Regulator: 2237

PCB Batch Number: 230124

Fenwal Batch Number: 2237

RECORD BATCH NUMBERS FOR:

INITIALS

TRAY GAS SYSTEM PRESSURE DROP LEAK TEST COMPLETED (TEST 1) ☒ SB

INITIAL ELECTRICAL OPERATIONAL (PAT) TEST COMPLETED (TEST 2) ☒ SB

INITIAL WIRING (High/Low Volt) CONTINUITY TEST COMPLETED (TEST 3) ☒ SB

Pre Burn Off

FLEXI HOSE PRESSURE DROP LEAK TEST COMPLETED (TEST 4) ☒ SB

Combustion Circuit Soundness Test: Test at 50.0 L/m
Record leakage rate 7.4 Pa (min 3 Pa) ☒ SB

Burn Off

SET REG, OPERATING PRESSURE TO 1.0KPa (NG) or 2.3kPa (ULPG/Propane) ☒ SB

SET BURNER OPERATING PRESSURE ON HIGH AND LOW ☒ SB

High Volt Test ☐ Low Volt Test ☒ FIREBOX BURNT OFF ☒ SB

FULL FUNCTION TESTS COMPLETED (TEST 5) ☒ SB

High/Low Flame, Fan Boost, Remote Range, Auxiliary Switch

FINAL ELECTRICAL SAFETY CHECK (TEST 6) ☒ SB

Completed Date

650268_1 DS-DN-KS Series Product Build Card - NZ / Australia