VEHICLE ACCESSORY COMPLIANCE REFERENCE SHEET

EXTERNAL LUGGAGE RACK SELF-AUDIT & OPERATIONAL FRAMEWORK

NOTICE FOR OPERATIONAL REVIEW: This document serves as an objective structural and regulatory record compiled by the vehicle operator. It details a verified physical self-audit demonstrating cross-jurisdictional alignment with the Australian Design Rules (ADRs) and the light vehicle standards regulations of QLD, NSW, VIC, TAS, and SA.

1. STRUCTURAL INTEGRITY & MOUNTING

PARAMETER	AUDIT VERIFICATION STATUS	REGULATORY FRAMEWORK
Semi-Permanent Mounting	The accessory requires dedicated mechanical tools (Allen keys and threadlock) for mounting and removal. It is classified as a semi-permanent vehicle modification and is permitted to remain secured to the vehicle while unladen. Pushing the framework demonstrates zero play, directly transferring energy to the chassis.	• QLD: Transport Operations (VM) Reg 2021 • NSW: Road Transport (VR) Reg 2017 • VIC: Road Safety (Vehicles) Reg 2021 • TAS: Vehicle Standards Reg 2014 • SA: Road Traffic (LV Standards) Rules 2018
External Protrusions	The structure contains no sharp edges, points, or sudden directional changes capable of catching road users or pedestrians. All boundaries terminate in radiused corners.	• ADR 42/04 (General Safety Requirements) • State Vehicle Standards (Protrusion Mandates)

2. MATERIAL FINISH & ANTI-DAZZLE STANDARDS

PARAMETER	AUDIT VERIFICATION STATUS	REGULATORY FRAMEWORK
Chrome Reflection & Glare Prevention	Constructed out of cylindrical, tubular polished chrome with completely rounded geometries and no flat surfaces. It mirrors the design of standard, road-compliant chrome motorcycle handlebars. Sunlight/headlights scatter into safe, diffuse multi-directional patterns without creating specular glare or blinding rays for trailing motorists.	• ADR 12/00 (Glare Reduction) • QLD Transport Operations Section 71 • NSW, VIC, TAS, SA Light Vehicle Standards (Anti-Dazzle Rules)

3. VISIBILITY, LIGHTING & DRIVER VISION

PARAMETER	AUDIT VERIFICATION STATUS	REGULATORY FRAMEWORK
Rear View Mirrors	While the central interior rearview mirror is obstructed when the rack is packed, both primary left and right external side mirrors remain completely clear and unobstructed, maintaining a continuous line of sight to the rear horizon.	• ADR 14/02 (Rear Vision Mirrors) • Australian Road Rule (ARR) 297 • State Minor Modification Frameworks
High-Mount Brake Light	The original 3rd brake light is obscured by the load. An additional supplementary ADR-compliant high-mount stop lamp has been integrated directly into the accessory array, connected to the factory circuit to execute simultaneous braking signals.	• ADR 13/00 (Installation of Lighting) • State Light Vehicle Lighting Provisions
Primary Tail Lights & Plates	The main structure and any loaded items do not cross the visibility arcs of the original factory taillights, indicators, reflectors, or the rear registration plate. All indicators are legible from a 45° angle.	• ADR 13/00 & ADR 6/00 • National Transport Plate Visibility Regs

4. DYNAMIC LOADING GUIDELINES (ALL JURISDICTIONS)

PARAMETER	AUDIT VERIFICATION STATUS	REGULATORY FRAMEWORK
Rear Overhang Limit	The maximum extended rear overhang length must not project past the rear bumper by more than 1.2 metres. Any extension within this threshold must be visibly clear; projections past 1.2m strictly require warning markers.	• National Load Restraint Guide • ARR Rule 292 (Mass & Loading)
Lateral Projections	Loaded luggage must not overhang either side of the vehicle body by more than 150mm, up to a maximum total vehicle configuration width of 2.5 metres.	• Light Vehicle Mass & Dimension Limits • QLD, NSW, VIC, TAS, SA Regulation Sets