

HGV Camera Maintenance

Weekly Driver Checklist

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Weekly Driver-Level Camera Clean

Before You Start

- ☐ Look for loose grit on lens surface before wiping
- ☐ Use compressed air or soft brush to dislodge loose debris
- ☐ Gather microfibre cloths and lens cleaning solution

Step 1 — Clean the Lens

- ☐ Apply 1-2 drops lens cleaner to microfibre cloth (NOT directly to lens)
- ☐ Wipe lens in gentle circular motion from centre outward
- ☐ Second pass with clean dry cloth if streaking present
- ☐ Do NOT use household glass cleaner, WD-40, or ammonia-based wipes

Step 2 — Clean the Housing

- ☐ Wipe camera body and housing with damp microfibre cloth
- ☐ Pay extra attention to cable entry point area
- ☐ Remove diesel film and salt deposits from housing surface

Step 3 — Check the Mounting

- ☐ Check camera housing for any movement or looseness
- ☐ Tighten mounting bracket if any shift detected
- ☐ If bracket is damaged, report before next run

Step 4 — Verify Live Image

- ☐ View camera output on cab monitor before departure
- ☐ Confirm image is clear and field of view is correct
- ☐ If image still blurred after clean → report for workshop inspection
- ☐ Check all cameras: forward, nearside, offside, rear

Quarterly Workshop Camera Maintenance

Cable Inspection

- ☐ Inspect full cable run from each camera to MDVR unit
- ☐ Check for chafing where cables pass through metal edges
- ☐ Look for cracking in outer sheath near engine bay
- ☐ Check for corrosion at all connector ends

MDVR Unit

- ☐ Confirm MDVR unit is securely mounted
- ☐ Clear dust from ventilation slots with compressed air
- ☐ Check 4G antenna connections are secure
- ☐ Run storage diagnostic — replace failing SD/HDD
- ☐ Confirm all camera channels are recording correctly

Firmware & Software

- ☐ Check manufacturer portal for available firmware updates
- ☐ Apply any pending firmware updates to all cameras and MDVR
- ☐ Test ADAS alerts post-update to confirm correct operation

Housing Seal & IP Rating

- ☐ Check housing gasket on all external cameras
- ☐ Check cable entry seal for drying or cracking
- ☐ Note any cameras showing internal condensation for replacement
- ☐ Confirm IP67/IP69K housing integrity on pressure-washed vehicles

Internal Saloon Cameras

- ☐ Wipe lens with dry microfibre cloth
- ☐ Check cable management inside saloon — secure any loose runs
- ☐ Confirm field of view covers full saloon without obstructions