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## INSTALLATION GUIDE

# Cassette Roller Shades

CB-235 · CB-268 · CB-269 · CB-282 · CB-283 · CB-258A

*Corded · Cordless · Motorized*

Every Superior cassette roller ships fully assembled — tube, fabric, clutch or motor, hem bar, and cover all pre-built. The install is simple: mount the brackets, pop the shade in, level it, set the controls, test. This guide walks through each step for CB-235, CB-268, CB-269, CB-282, CB-283, and CB-258A.

### DOCUMENT

**Cassette Roller Install Guide**

### REVISION

**Rev A · 2026**

### AUDIENCE

**Dealers & field installers**

# 1. Cassette lineup at a glance

Superior's cassette rollers share the same install logic — only the bracket envelope and tube diameter change. Use this table to pull the right CAD drawing for the model you're installing. Exact bracket patterns, cover dimensions, and projection are in each CB-### drawing on the Resources page.

Model	Cover size	Tube	Envelope (W × H)	Typical use
CB-268	3"	1-1/2"	3.2" × 3.0"	Compact residential, single shade
CB-269	3-1/8"	1-1/2"	3.4" × 3.1"	Residential, slightly longer fabric drops
CB-235	3-1/2"	1-1/2"	3.7" × 3.6"	Blackout fabrics, mid-span openings
CB-282	4"	1-1/2"	4.0" × 4.0"	Architectural, taller openings
CB-283	4-1/5"	1-11/16"	4.2" projection	Commercial duty, heavier fabrics
CB-258A	5-7/8"	Dual 1-1/2"	5.3" × 5.9"	Blackout + sheer on one headrail

## What they share

- Shade arrives fully assembled — tube, fabric, clutch or motor, hem bar, and cover are already built.
- Curtain-wall mount with #8 fasteners into structure; inside or outside mount supported.
- Chain-drive clutch, cordless spring, or motor — all three drop into the same bracket.
- Flat hem bar, 1.3" × 0.5" profile. Pre-punched for seals, weights, and side channels.

## The install in six steps

- Unpackage the shade and inspect.
- Mount the brackets.
- Pop the shade into the brackets.
- Check for level and flush mount.
- Set and use the controls.
- Test full travel for correct operation.

Always verify the model on your packing slip against the bracket in the box. The CB-268 and CB-269 are visually similar; the 1/8" difference in cover changes the projection and will affect a tight inside-mount depth.

## 2. Before you start

### Tools

- Cordless drill/driver with clutch and a #2 Phillips bit
- Tape measure (25'), pencil, level (4' and torpedo), laser level optional
- Stud finder; wall-type probe (drywall, plaster, masonry)
- Step ladder rated for the ceiling height
- Hex key set (for motor limit buttons on select Ronco motors)
- Wire cutters / side cutters for chain trim

### Fasteners by wall type

Wall type	Fastener	Notes
Wood stud / solid blocking	#8 × 1-1/2" wood screw	Pre-drill with 1/8" pilot; torque to snug, not crushed.
Drywall (hollow)	Toggle bolt or self-drilling anchor rated ≥ 30 lb ea.	Use toggle for spans > 36" or heavier fabrics.
Plaster over lath	Molly anchor	Tape over drill point to prevent chip-out.
Concrete / brick / block	3/16" × 1-1/4" Tapcon	Masonry bit one size smaller than Tapcon.
Steel stud framing	#8 self-drilling sheet-metal screw	No anchor needed if you catch the stud.

### Unpackage & inspect

1. Open the box on a clean, flat surface. Lay the shade on a blanket or drop cloth so the cassette doesn't get scuffed.
2. Confirm the packing-slip model (CB-###) matches the cassette and brackets in the box.
3. Inspect the fabric, cover, and hem bar for shipping damage. Any bent cover or fabric damage — stop here and file with Superior before install.
4. Locate the hardware bag: end brackets (2), center bracket(s) if the shade is wider than 36", fasteners, P-clip cord cleat (corded shades), and remote (motorized shades).

### Pre-install checklist

1. Measure the opening again: width at top, middle, bottom; height at left, center, right.
2. Decide inside vs. outside mount. Inside mount needs the full cassette envelope of depth (see Section 1 table); if you don't have it, go outside-mount.
3. Dry-fit the brackets where they'll sit — confirm drive-end orientation (chain or motor) matches the customer's order.
4. For motorized shades, confirm power is on-site and the correct voltage (hardwire, low-voltage transformer, or battery tube).

Safety: keep pull cords and bead chains out of reach of children. Superior ships a P-clip cord cleat with every corded shade. It must be mounted at least 59" above the finished floor per WCMA cord-safety guidance. Skip the cleat and you fail inspection.

## 3. Mount the brackets

Every cassette in this guide mounts to the same family of brackets — an end bracket on each side, plus a center support for any shade wider than 36" or carrying heavier blackout fabric. Get the brackets square and solid and the rest of the install is five minutes.

### Inside mount

1. Using a pencil, mark the top-jamb centerline. Measure in from each side wall to your bracket offset (typically 2" from the opening wall for single shades, 2-1/2" for CB-258A dual).
2. Check the jamb depth against the cassette envelope in Section 1. If depth is tight, move to outside mount.
3. Pre-drill pilots, fasten the end brackets first, then hold a level across them to confirm the cassette will sit flat.
4. For shades wider than 36", add a center bracket equidistant from each end. For spans greater than 72", use center brackets every 20-24".

### Outside mount

1. Mark the mount line at least 2" above the opening (3" is cleaner for CB-282 and CB-283). Center the shade on the opening plus your desired overage.
2. Use a 4' level to strike a long pencil line across the marks — this is your bracket top-edge reference.
3. Fasten the end brackets first, working from the centerline outward. On drywall spans, toggle both end brackets even if you hit a stud on one side; it keeps the tension even.
4. Confirm bracket faces are coplanar: a laser line across both faces should not show a step.

### Bracket pattern by model

- CB-268 / CB-269 / CB-235: two-hole end bracket, hole pattern 1-5/8" apart vertical. Center bracket identical.
- CB-282 / CB-283: three-hole end bracket for the heavier cover; use all three on masonry and wider spans.
- CB-258A (dual): single bracket carries both tubes; bracket face is wider — pay attention to end-wall clearance so the cassette clears trim.

Rule of thumb for squareness: once both end brackets are in, lay a straight edge across the bracket faces and confirm it sits flush without gaps. If it rocks, shim the low side before you pop the shade in — fighting a twisted bracket later with the cassette in hand is how covers get bent.

## 4. Pop the shade into the brackets

The cassette arrives fully assembled — you don't build anything. With the brackets square and solid, the shade snaps in from the face in under a minute.

1. Lift the cassette up to the brackets with the drive end (chain or motor) on the correct side.
2. Hook the back edge of the cassette onto the back lip of both brackets first.
3. Rotate the front of the cassette up and press it firmly into the bracket clips. You'll hear a single snap as the cassette seats fully.
4. Run a finger along the top seam to confirm the cassette is flush against the brackets along the entire length.
5. Give the cassette a gentle tug toward the floor to confirm it's captured and won't drop out.

## 5. Check for level & flush mount

1. Set a torpedo level on top of the cassette. The bubble should sit centered. If it doesn't, the brackets are off — pull the cassette, re-level the brackets, and re-snap.
2. Step back 6–8 feet and eyeball the top edge of the cassette against the ceiling or the header trim. Any visible tilt means a bracket shim is needed before you set controls.
3. Run a finger along the back of the cassette. It should sit flush against the wall or jamb with no gap at either end. Gaps here cause cover rattle and light leaks.
4. For CB-282 and CB-283 (the heavier covers), lay a straight edge across the face. The cassette should be coplanar with both brackets — no bow, no step.

If the cassette won't sit flush, 9 times out of 10 it's because one bracket is proud of the wall. Pull the shade, shim the low bracket with a stack of painter's-tape layers or a thin plastic shim, re-snap. Don't force the cover — you'll bend the aluminum and it won't seat right ever again.

## 6. Set and use the controls

All three control types (corded chain clutch, cordless spring, and motorized) share the same cassette and bracket. The only thing that changes is how the tube is driven and how the limits are set.

### Corded (bead chain)

1. With the tube installed, verify chain travel is free: pull one side to lower, the other to raise. The clutch should engage with a clean, consistent click.
2. Trim the chain per CAD: total chain length should be approximately 7-7/8" shorter than the shade height (this keeps the loop off the floor and clear of the hem bar at full travel).
3. Reconnect the chain with the included joiner clip. Confirm the joiner is on the back side of the loop, not the front.
4. Install the P-clip cord cleat at least 59" above the finished floor, directly below the drive end. Route the chain through the cleat and test that the chain stays captured when the shade is raised.
5. Test full travel top and bottom; listen for any slipping or ratcheting. If the clutch slips, the chain is too short or the loop is under-tension.

Corded lower/upper limits are set by fabric attachment at the factory — you do not set electronic limits. If the shade runs too low or too high, adjust the hem bar attachment, not the chain.

### Cordless (spring-assist)

1. With the tube installed, grasp the hem bar and pull straight down to extend. Release — the spring should hold the hem bar in place at any stop point.
2. If the shade creeps up, add tension: pull the hem bar halfway down, lock it off, then rotate the tube forward (away from the glass) to pre-wind the spring. Three to five half-turns adds meaningful tension.
3. If the shade creeps down, reduce tension by rotating the tube backward (toward the glass) with the shade halfway deployed.
4. Set the lower limit by positioning the hem bar where you want it to stop and allowing the spring to hold it there. The upper limit is set at the factory — the hem bar will stop flush against the cassette.
5. Test full travel at least three times. Re-tension if sag develops in the first 72 hours.

### Motorized (Ronco / Superior motors)

1. Confirm the correct power source for the shade's motor type: 110-120V hardwire (electrician required), 24V low-voltage transformer, or rechargeable battery tube. Power on only after the tube is fully seated.
2. Pair the shade to its remote or to the RE500 Smart Hub per the "RE500 Smart Hub Setup Guide" on the Superior Resources page. Pair before setting limits — a freshly paired shade will not have limits yet.
3. Set the upper limit: jog the motor up until the hem bar stops flush with the cassette, then hold SET + UP until you hear the confirmation chirp (typically two beeps).

4. Set the lower limit: jog the motor down to the sill (or the customer's preferred stopping point), then hold SET + DOWN until you hear confirmation.
5. Test full travel. If the shade runs in the wrong direction (e.g., UP rolls the shade down), reverse the motor direction with the P1 reverse routine on the motor head (covered in the RE500 guide).
6. For scene-controlled installs, bind the shade to its target scene in the Ronco or Superior app, then verify voice-control routing (Alexa or Google) if ordered.

RE500 hub pairing and Alexa / Google binding are documented in a separate guide — “Superior RE500 Smart Hub Setup Guide.” Keep that guide on the job site alongside this one if the install is motorized.

## 7. Test operation & hand-off

1. Run one full cycle: all the way down, then all the way up. Watch for any binding, uneven roll, or light leaks at the jamb.
2. Lower the shade and place a torpedo level on the hem bar. If the bar tilts, unclip the hem bar end caps, adjust fabric-to-bar tension on the low side, and re-cap.
3. For blackout fabrics with visible jamb gaps, add side channels (ordered separately) or reverse-roll the fabric so it sits closer to the glass.
4. Wipe the cassette face with a dry microfiber — remove any install fingerprints from the powder-coat cover.
5. Demo the control to the customer: one full cycle, cord-cleat location, and motor remote (if applicable). Hand them the care card.

### Troubleshooting

Symptom	Likely cause	Fix
Shade won't raise fully	Chain too short, or clutch disengaged	Verify chain length (height - 7-7/8"). Re-engage clutch per chain direction.
Cordless shade creeps up	Spring tension too high	Rotate tube 3-5 half-turns backward at mid-deploy.
Cordless shade creeps down	Spring tension too low	Rotate tube 3-5 half-turns forward at mid-deploy.
Motor reverses direction	Wrong motor orientation	Run P1 reverse routine (hold P1 until double-chirp, then press DOWN).
Motor hums, no movement	Locked limits or bound fabric	Check for fabric binding at hem bar; reset limits with SET routine.
Cassette won't sit flush	Bracket proud of wall on one end	Pull shade, shim low bracket, re-snap cassette.
Visible light gap at jamb	Outside-mount underage	Add 1" side-channel or reverse-roll; for inside-mount, move to outside-mount.
Hem bar tilts left or right	Uneven fabric tension	Unclip low end cap, roll 1/8" more fabric into the bar, re-cap.

## 8. Care & support

### For the homeowner

- Dust cassette and fabric monthly with a dry microfiber or a soft brush vacuum attachment on low suction.
- Spot-clean fabric with a barely damp white cloth. Never use ammonia, bleach, or solvent cleaners — they strip the fabric's light-control coating.
- Avoid over-raising a corded shade past its stop; a stuck clutch is almost always caused by yanking past the upper limit.
- For motorized shades, cycle the shade at least twice a month. Motors that sit unused for long stretches can drift on limits.

### Dealer support

- Parts, replacements, and warranty claims: file through your Superior dealer account on [superiorwindowcoverings.com/contact](https://superiorwindowcoverings.com/contact).
- Install escalations during business hours: contact your Superior regional rep.
- Field defects (bent cover, failed motor, fabric damage) require photos on the job before return authorization.