TOWABLE CHECKLISTS

Grand Design Momentum 2017–2023

Model-Specific RV Buyer's Guide and Self-Inspection Checklist

Used-rig edition

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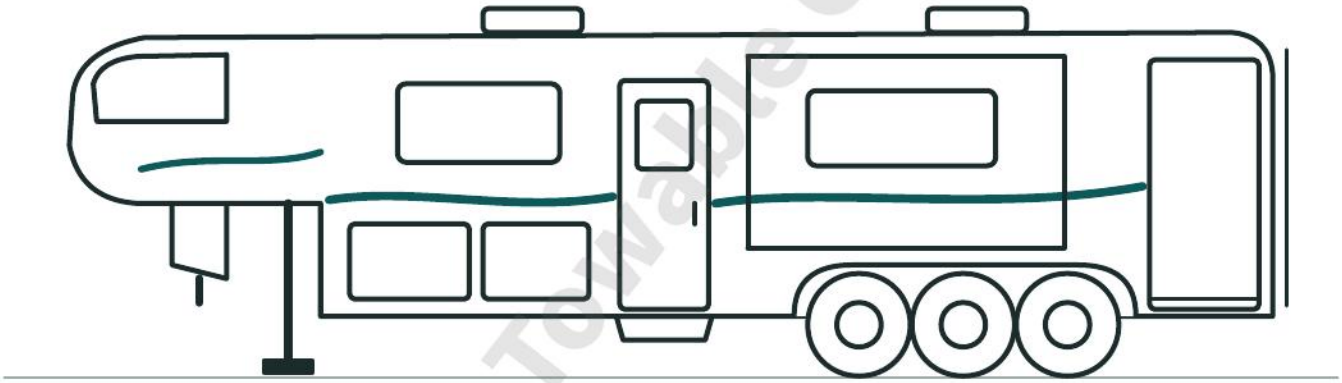

Illustration drawn for this checklist; not a Grand Design image.

WHAT'S INSIDE

- **28 pre-inspection checks you do from home**: VIN and recall lookup, title and lien, listing and photo red flags, a price-check method, and seller questions with answer lines
- **24 sections, 227 numbered checks** in walk-around order, each with OK / Problem / N/A / Couldn't-t-check boxes and a notes line
- **Severity on every check**: Deal-breaker, Negotiate or Note, printed as labels so they read in black and white; the 21 deal-breakers are flagged where you check them
- **Momentum-only known issues**: open investigation PE24029, TSB 24-001, campaign 920017 and all 14 recall campaigns, placed where you look
- **Spec finder for 108 floorplan-years**, 2017–2023, from Grand Design's own archived pages, with every source dated
- **Buyer checks**: tire DOT dates, bearings and brakes, pin box and frame, moisture, roof sealant, prior damage, hydraulics, title and VIN
- **Lot-day plan**: what the seller should have ready, tools with purposes, time estimates and a walk-around map
- **Decision pages**: Walk-away / Negotiate page, 3-RV comparison, and a deal-breaker summary with page numbers

Contents

255 checks: 28 from home, 227 on the lot

Before you go

- Before you start (disclaimer) 2
- How to use this checklist 4
- **Pre-inspection screening, from home** (28 checks) 5 — 2 deal-breakers
- Lot-day plan and time estimates 9
- What to bring 10
- Walk-around map 11
- Vehicle information and tire log 12
- Momentum known issues 13
- Recall campaigns 14
- Grand Design bulletins 15
- Spec finder, every floorplan 2017–2023 16
- What changed year to year 21

Walk-around, in order (checks per section)

- **1** Paperwork, VIN, title & recalls (9) **3 deal-breakers** 21
- **2** Roof (10) **1 deal-breaker** 23
- **3** Exterior walls, front cap & prior damage (12) **3 deal-breakers** 25
- **4** Entry & compartment doors (8) 27
- **5** Awnings (7) 28
- **6** Slide-outs (10) **1 deal-breaker** 29
- **7** Tires & wheels (9) 31
- **8** Running gear, brakes & underbelly (13) **1 deal-breaker** 32
- **9** Pin box, hitch & front frame (8) **2 deal-breakers** 35
- **10** Landing gear, leveling & stabilizers (8) 37
- **11** Exterior lighting & 12 V chassis (8) 38
- **12** Electrical: 120 V, 12 V, generator & solar (16) 39
- **13** Water system & tanks (13) 41
- **14** Propane (LP) (6) **2 deal-breakers** 42
- **15** Pass-through storage & compartments (7) 43
- **16** Kitchen (12) 44
- **17** Other appliances & entertainment (9) 45
- **18** Heating & air conditioning (8) 47
- **19** Garage & ramp door (16) **2 deal-breakers** 48
- **20** Interior construction, floors & water damage (10) **2 deal-breakers** 50
- **21** Furniture & living area (8) 51
- **22** Bathroom(s) (8) **1 deal-breaker** 52
- **23** Bedroom & upper deck (frame-flex tells) (8) **1 deal-breaker** 53
- **24** Records & before you leave (4) 55

After the walk-around

- Walk away, negotiate, or buy: decision page 56
- Compare up to three RVs 57
- Sign-off, agreed repairs and deal-breaker summary 58

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Spec finder: every Momentum floorplan, 2017–2023

Grand Design's archived pages; the unit's own labels win

Brochure numbers are averages from Grand Design's own archived pages (Wayback Machine captures). **The unit's own labels win every time:** UVW (unloaded vehicle weight) and hitch weight are "based on average weight" and options change them. A dash (—) means we found no Grand Design figure: **verify it on the unit's sticker or label**. CCC (cargo carrying capacity), tire size and AC BTU (air-conditioner cooling rating) are never filled in here, because Grand Design's floorplan pages don't give them per unit; read them off the CCC sticker, tire sidewall and AC label. MY = model year; FW = fifth wheel; TT = travel trailer. "2 GD figures" under a value means Grand Design's pages give two values there (two sources that disagree, or one page listing both); both are shown. In Axles, a dash before the x (— x 6,000) means the page gave the axle rating but not the number of axles.

Source codes: FP = floorplan page · IDX = model-year index page · S17 = MY2017 spec page · INFO = dealer InfoSheet PDF (model year inferred from its revision date) · then the capture month/year. Captures: Internet Archive Wayback Machine (web.archive.org), granddesignrv.com pages.

MY	Momentum / M-Class FW	G-Class FW	G-Class TT	MAV
MY2017	327M, 328M, 348M, 350M, 376TH, 388M, 397TH, 398M, 399TH	—	—	—
MY2018	328M, 349M, 350M, 351M, 354M, 376TH, 381M, 388M, 394M, 395M, 397TH, 398M, 399TH	—	—	—
MY2019	328M, 349M, 351M, 354M, 376TH, 381M, 394M, 395M, 397TH, 398M, 399TH	—	—	—
MY2020	349M, 351M, 376TH, 376THS, 381M, 395M, 397TH, 398M, 399TH	320G, 350G	21G, 25G, 28G, 29G	—
MY2021	349M, 351M, 376THS, 381M, 395M, 395MS, 397TH, 398M, 399TH	320G, 328G, 350G, 353G, 393G	21G, 23G, 25G, 28G, 29G, 29GO, 30G, 31G	—
MY2022	349M, 351MS, 376THS, 381MS, 395MS, 397THS, 398M, 399TH	320G, 350G	21G, 23G, 25G, 28G, 29G, 30G, 31G	—
MY2023	336M, 349M, 351MS, 376THS, 381MS, 395MS, 397THS, 398M, 399TH, 410TH	320G, 350G	21G, 23G, 25G, 28G, 29G, 30G, 31G, 32G	27MAV

Floorplan	UVW lb	Pin / hitch lb	GVWR lb	CCC lb	Length	Axles	Fresh gal	Gray gal	Black gal	LP lb	Fuel gal	Furnace BTU	Tire size / load	AC BTU	Sources
MY2017 · Momentum / M-Class FW															
327M	11,900	2,450	16,500	—	35' 11"	2 x 7,000	117	104	52	60	40	35,000	—	—	S17 06/16
328M	12,400	2,600	16,500	—	35' 11"	2 x 7,000	117	104	52	60	40	35,000	—	—	S17 06/16
348M	13,400	3,100	16,500	—	38' 5"	2 x 7,000	117	104	52	60	60	35,000	—	—	S17 06/16
350M	13,500	2,900	16,500	—	38' 9"	2 x 7,000	117	78	78	60	60	35,000	—	—	S17 06/16
376TH	15,900	3,250	19,500	—	41' 3"	3 x 7,000	117	104	52	60	30	35,000	—	—	FP 06/16, S17 06/16
388M	14,300	2,900	18,500	—	41' 9"	3 x 7,000	117	78	78	60	60	35,000	—	—	FP 06/16, S17 06/16
397TH	15,500	3,400	19,500	—	43' 3"	3 x 7,000	117	104	104	60	60	35,000	—	—	S17 06/16
398M	15,100	3,100	20,000	—	44' 9"	3 x 7,000	117	104	52	60	60	35,000	—	—	S17 06/16
399TH	15,900	3,400	20,000	—	43' 4"	3 x 7,000	117	104	104	60	60	35,000	—	—	FP 06/16, S17 06/16

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09 Pin box, hitch & front frame

Where you're standing: At the front of the trailer: pin box (fifth wheels) or coupler (travel trailers)

8 checks
~10 min (estimate)
2 deal-breakers

This is your own look at the frame-flex area from the outside. Frame and structure go to a qualified professional: see the frame-inspection box below. FW marks fifth-wheel checks, TT travel-trailer checks.

Continuous welds with their factory coating, and a straight front overhang.

IMPORTANT **FRAME INSPECTION: THE ONE PLACE WE RECOMMEND A PROFESSIONAL**

For any Momentum fifth wheel, get a professional frame inspection before you buy, unless you already have records of the TSB 24-001 measurement and repair (TSB 24-001 is Grand Design's dealer bulletin for measuring frame flex). Options: a Grand Design dealer performing TSB 24-001 and giving you the completed form; campaign 920017 if eligible (P.15); or a frame or chassis shop that works on trailer or truck frames. Most buyers can't do the bulkhead removal and tripod setup TSB 24-001 calls for on a dealer lot. (NHTSA investigation PE24029, TSB 24-001, campaign 920017)

#	Check	Severity	OK	Problem	N/A	Couldn't check	Notes / photo #
9.1	**DEAL-BREAKER CHECK** **Pin-box welds** FW **What to look for:** With a mirror and flashlight, look at both sides of the pin box where it meets the trailer. Look for signs of earlier work, such as fresh paint over welds, grinding marks or added plates, and photograph each weld seam for whoever does the frame inspection (frame-inspection box, p. 35). **Red flags:** A visible crack line in a weld or the steel next to it, or torn steel. Source: TSB 24-001 (lists these as structural damage)	DEAL-BREAKER	☐	☐	☐	☐	
9.2	**Pin box brand and type** FW **What to look for:** Write down the pin box brand and type, and compare it with what Grand Design listed for the year (the year box at the end of this section). **Red flags:** An aftermarket pin box (why it matters: P.17). Source: Grand Design spec pages; TSB 24-001; Grand Design Frame FAQ	NEGOTIATE	☐	☐	☐	☐	
9.3	**Pin-box cushion and king pin** FW **What to look for:** Look at the pin-box cushion (rubber or air) and the king pin, the steel pin that locks into the truck's hitch. **Red flags:** Cracked or torn rubber, a leaking air bag, a worn or gouged king pin, or a missing lube plate (the slick plate the hitch rides on). Source: General tip	NOTE	☐	☐	☐	☐	
9.4	**Front overhang** FW **What to look for:** Stand back at each side and sight along the bottom edge of the upper deck. **Red flags:** A sag or a kink in the front overhang. Source: General tip	NOTE	☐	☐	☐	☐	
9.5	**Coupler and A-frame welds (travel trailers)** TT **What to look for:** On a travel trailer, work the coupler (the part that locks onto the hitch ball), its latch and the lock pin, and look at the welds where the A-frame (the V-shaped tongue at the front) meets the frame. **Red flags:** Cracked welds or a coupler that won't latch. Source: General tip	NEGOTIATE	☐	☐	☐	☐	

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#	Check	Severity	OK	Problem	N/A	Couldn't check	Notes / photo #
9.6	**DEAL-BREAKER CHECK** **23G/25G safety chains (recall 23V586)** 2022–23 23G/25G **What to look for:** On a 23G or 25G travel trailer, check the safety chains against recall 23V586, which covers chains underrated for the trailer's GVWR (gross vehicle weight rating, the most it may weigh loaded). Ask for the repair order. **Red flags:** The original chains and no repair order: don't tow it on them. Source: Recall 23V586; I-11	DEAL-BREAKER	☐	☐	☐	☐	
9.7	**Tongue jack and safety chains (travel trailers)** TT **What to look for:** On a travel trailer, run the tongue jack up and down, and look at the safety chains and hooks. **Red flags:** A jack that sticks, or a damaged chain or hook. Source: General tip	NOTE	☐	☐	☐	☐	
9.8	**Frame inspection booked** FW **What to look for:** Book the frame inspection before you sign, using one of the options in the frame-inspection box. At an independent shop, ask: "Have you inspected fifth-wheel pin boxes before? Will you give me written measurements and photos?" Give them your photos from Sections 3, 9 and 23. **Red flags:** A seller who won't allow an inspection before sale: record it at 24.2, it is information too. Source: PE24029; TSB 24-001; CSC 920017	NOTE	☐	☐	☐	☐	

PHOTO NOTE **PHOTOGRAPH THESE WITH THE PIN BOX (FIFTH WHEELS)**

Your photos of the front bulkhead screw covers (3.2) and the sidewall expansion joints (3.4) belong with the pin-box photos for the frame inspector. No need to re-check them here. (CSC 920017)

YEAR CHANGE **PIN BOX BY CAPTURE DATE (GRAND DESIGN SPEC PAGES)**

Trail-Air Rota-Flex pin box on 2017 376TH/399TH pages (Jun 2016); Trailair Roto-Flex on a 399TH page (Aug 2019); MORryde pin box on TH pages from Dec 2019 captures and on MY2023 pages. A different brand on the unit may mean aftermarket: ask.

Issues found in this section? ☐ Yes ☐ No Worst severity: ☐ DEAL-BREAKER ☐ NEGOTIATE ☐ NOTE

GENERAL COMMENTS / PHOTO NUMBERS

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Walk away, negotiate, or buy: your decision page

This page sorts what **you** found. The decision is yours (p. 2). Go through the pre-inspection lines and each section-end box; list each Problem by check number in one of the three boxes, then look back at the lines below.

Deal-breakers: stop-level findings

Deal-breaker checks you marked Problem (what that means: severity key, p. 4; all of them, with pages: sign-off page, p. 58).

CHECK #	WHAT YOU FOUND

Negotiate: price these in

Negotiate checks you marked Problem.

CHECK #	WHAT YOU FOUND

Notes to keep

Small findings for your own to-do list after purchase.

CHECK #	WHAT YOU FOUND

Before you decide, look back at

VIN, title and lien: P.6, 1.1, 1.2

Truck ratings vs GVWR and pin weight: P.27

Recall repair orders: 1.4 and the recall table (p. 14)

What you couldn't check, and why: 24.1; what you weren't allowed to see: 24.2

Frame inspection plan: 24.3

ASKING PRICE $ _____ YOUR OFFER $ _____

My decision: ☐ Walk away ☐ Negotiate ☐ Wait for inspection / quotes ☐ Buy at the agreed price

WHY, IN ONE OR TWO LINES

_____

_____

TURNING FINDINGS INTO A PRICE CONVERSATION

- Lead with what you can show: the check number, your photo and a quote. A documented finding is harder to wave away than an impression.
- Open recalls: ask for them to be completed before you take delivery, or price the trip to a dealer into your offer.
- Fifth wheels: ask for TSB 24-001 (and campaign 920017 if eligible) to be done or scheduled, with the form, before the sale closes (scheduling: P.15).
- Ask for a repair, a price reduction or both (in writing: sign-off page, p. 58).
- A refusal to allow a frame inspection or run a system is a finding too (record it at 24.2).

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Sign-off and agreed repairs

DEAL-BREAKER SUMMARY: 21 CHECKS (2 FROM HOME, 19 ON THE WALK-AROUND)

A list to find each one, not a place to mark it: mark each check where it's printed, and copy any Problem to the decision page (p. 56). P. = pre-inspection, from home; other numbers are walk-around section.check.

CHECK	DEAL-BREAKER	PAGE
P.6	Title name, brand and any loan	6
P.13	Door, ramp or slide opened while towing	7
1.1	VIN on the label matches the title	21
1.2	Original title vs the seller's ID	22
1.5	TSB 24-001 form vs the 3/8-inch limit	22
2.6	Roof soft spots (walkable roofs only)	24
3.4	Sidewall expansion joint below the upper deck	25
3.5	Upper-deck slide-opening corners (outside)	25
3.6	Sidewall delamination	26
6.2	Slide-room and opening corners	29
8.3	Hangers, shackles and hanger welds	32
9.1	Pin-box welds	35
9.6	23G/25G safety chains (recall 23V586)	36
14.1	Propane smell	42
14.2	Soapy-water check on LP fittings	42
19.1	Ramp and garage-floor soft spots	48
19.5	Electric ramp, recall 22V618	48
20.2	Floor soft spots, bubbles or lifting	50
20.3	Ceiling and window-corner stains	50
22.2	Floor at the toilet and shower	52
23.5	Bedroom closet wall-to-floor gap	54

INSPECTED BY

DATE AND TIME YOU FINISHED

SELLER OR DEALER REP PRESENT

OTHERS PRESENT

PHOTOS SAVED TO (PHONE ALBUM OR FOLDER)

Repairs the seller agreed to before sale

Check #	What will be fixed	Agreed by	Done by (date)	Done
				☐
				☐
				☐
				☐
				☐
				☐

Get any repair promise in writing on the purchase paperwork. This list is your record, not a contract.

Buyer signature (optional)

Seller / dealer signature (optional)

Sources and version

v2.3, 2026-11-18. Recalls, complaints, PE24029 and bulletins pulled from NHTSA 2026-11-15; Grand Design pages via Wayback Machine captures 2016–2023, checked 2026-11-16 to 17. Icons: Lucide (ISC license). Illustrations drawn for this checklist. Not affiliated with or endorsed by Grand Design RV.

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About the full inspection checklist

Thanks for reading this far. These pages are a sample of the Grand Design Momentum 2017–2023 inspection checklist: the cover, the contents, the first page of the spec finder, the whole pin box, hitch and front frame section, the decision page, and the sign-off page.

The full inspection checklist has 255 checks across 58 pages. It walks the trailer in the order shown on the contents page, starting with the paperwork and the roof and ending with the records you collect before you leave. Each check is printed where you do it, with a place to mark what you found and write it down.

This sample is from the used-rig edition, for people checking out a used Momentum on their own. It points you to where these trailers are known to have trouble, shows what normal looks like, and leaves the decision with you, based on what you saw that day. Custom orders are built for the year, make, model and floorplan you name, new or used. A new-rig order becomes a dealer walk-through and acceptance checklist: warranty and registration checks replace the seller and title questions, and a dealer due-bill (we-owe) list replaces the negotiate page.

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