



TECHNICAL BULLETIN

Bulletin #: MY21-001
Date: November 15th, 2021

Subject: Alpine Trail Rocker Link & Upper Shock Mount Assembly
Models Affected: 2020-2021 Alpine Trail 7 and 8, Alpine Trail XR, Alpine Trail Carbon 1, Alpine Trail Carbon 2, Alpine Trail E1, Alpine Trail E2

To: All Marin Bikes Authorized Dealers

Dear Marin Bikes Dealer,

Through extensive evaluation we have discovered that, in rare cases, the assembly of the Alpine Trail rocker link, bearings, and trunnion mount shock bolts may not be correct to our specification. The issue is easy to resolve, and this document will walk you through the process of checking the frame for this problem. and detail the process to fix the issue (if the bike is affected). This technical bulletin applies to all 2020 to 2021 Alpine Trail models listed above.

We are asking you to check two potential issues:

- A. If the bearings on the trunnion mount are fully inserted into the linkage.
- B. If the trunnion mount bearings and the main pivot bolt bearings are correctly aligned to each other.

Please follow these steps to check for this issue and fix if needed:

- 1) Put the bike in a repair stand, remove the rear wheel from the frame, the upper shock bolts, and then the rocker link.
- 2) Using a bearing press; check the alignment of shock mount bearings and main pivot bearings.



- 3) If there is evidence of poor alignment, remove each bearing **ONE AT A TIME** with a bearing press. Apply green Loctite to the outside of each bearing and then re-install into the link.

- 4) Once the bearings are re-pressed, confirm that the bearings are properly aligned.



- 5) Measure the upper shock linkage width, with spacers installed, with a caliper (**DO NOT USE A RULER OR MEASURING TAPE** – it is not precise enough to measure this distance accurately).
- Make sure to measure in multiple locations to get the most accurate measurement; be sure to measure the width at a 12, 3, 6 and 9 o'clock position.
 - If the gap measures between 54-54.2mm, it's within spec and good to be used.
 - If the gap measures at 54.21mm or larger, it is out of spec.



- 6) If the linkage is good, re-install the shock back onto the bike. Apply grease and blue Loctite; torque to 12 Nm. Reinstall the rear wheel.
- 7) **If the linkage is out of specification, please follow these steps:**
- Using a bearing press to check that both the left and right side bearing on the rocker link are fully seated, then re-measure the gap with spacers installed.
 - If the gap now measures to the correct 54-54.2mm tolerance it is ok to re-install the shock. Again, use the correct grease, Loctite, and torque (12 Nm) values
 - If the gap still measures 54.21mm or more, the link is out of specification and needs to be replaced. If this is the case contact your local Marin warranty manager for support

Best Regards,
Marin Service & Warranty Team