CLINICAL GUIDE · CONTINUOUS IMPROVEMENT

Common Remake Solutions

Tips to help prevent remakes, by problem

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Adapted from Digital Dental Leaders' *Common Remake Solutions* (Digital Dental Leaders support knowledge base), including its linked Digital Dental Leaders training videos.

Remake Case Workflow
How to document, rescan, and send a remake once it happens.

Normal Case Workflow
The everyday workflow; step 4 covers contact adjustment tools.

1 Tight contacts

- Check for a bulge below the ideal contact area on the crown. Smooth down the bulge if necessary.
- Check the contact areas on the adjacent teeth, looking for draw or bulges that can be smoothed out.

2 Light contacts

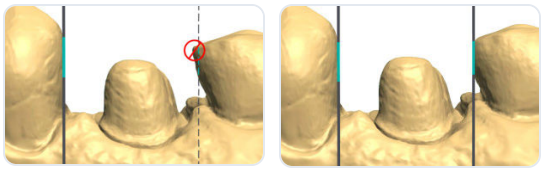
If the contact is light or open, verify the margins, fit, and shade.

Evaluate the adjacent contact areas and adjust as necessary:

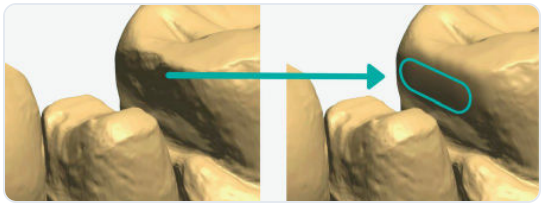
- **Parallel** with the prep and with each other, for draw.
- **Broad** contacts for ideal restoration(s).
- Rescan the prep and adjacent teeth only. (Note: tissue retraction is not necessary if the crown margins and fit were good.)

See step 4 of the **Normal Case Workflow** for the tools recommended for contact adjustment.

▶ Video: **"Remake: Light Contacts"** (Digital Dental Leaders, YouTube) · youtube.com/watch?v=A0gsClzKw_w



Not parallel (left) vs. parallel with the prep and each other (right)

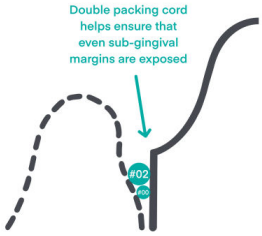


Broad contacts

3 Short or open margins

- Double pack cord before scanning.
- If necessary, use a laser to expose the margins.
- Make sure the area is completely clean and dry, then rescan.
- For the best scanning results, leave both cords in for 5 minutes, then remove the top cord (#02) immediately before scanning. Leave the bottom cord (#00) in while scanning.

▶ Video: **"Remake: Short or Open Margins"** (Digital Dental Leaders, YouTube) · youtube.com/watch?v=C4eZoSl_Zys



Double packing cord helps expose even subgingival margins

4 Incorrect shade

- Send photos of the adjacent teeth with a full shade tab in view. Line up the incisal edge of the shade tab with the incisal edge of a tooth for the most accurate results. Watch out for bad glare.
- Provide additional information (calcification, incisal translucency, etc.) to help the lab match the shade accurately.

▶ Video: **"Remake: Shade"** (Digital Dental Leaders, YouTube) · youtube.com/watch?v=LuAXwoKvu5o



Full shade tab in view, incisal edges lined up

5 Fractures

To help the lab determine a potential cause and solution for the fracture:

- Inspect the prep for sharp edges.
- Inspect the bite for sufficient clearance (Digital Dental Leaders suggests 1.5 mm).
- Rescan the prep and bite and send the new scans.



Fractured restoration

6 Esthetic issues

- Provide precise information about design preferences.
- Send photos and any additional notes with the case. Consider including drawings of your desired results (see the example).
- For highly esthetic cases, request screenshots or a 3D preview before the crowns are milled.

▶ Video: **"Remake: Esthetic Issues"** (Digital Dental Leaders, YouTube) · youtube.com/watch?v=M5iD5vxMZjg



Example drawing of the desired result



3D design preview

7 Open occlusion

- Make sure the patient is biting in centric occlusion.
- Take a new bite scan and evaluate the alignment by comparing the scan to the patient's mouth.
- For implant cases:
  - Take an x-ray to confirm the scan body is fully seated.
  - Remove the scan body before taking the bite scan.



Open occlusion

Questions about a case?

For help with any step, or with sending a case to Digital Dental Leaders, call Eric at **951-430-9888** or email **truefitlab@gmail.com**.

Source: Digital Dental Leaders, *Common Remake Solutions*, Digital Dental Leaders support knowledge base, and the Digital Dental Leaders videos named above. Adapted for True-Fit Dental IOS. General guidance; it does not replace your clinical judgment or the instructions of your scanner and materials manufacturers.