



Handset – Davidov – Service Manual

Level 1 and Level 2 Service

2005-04-26

Chapter 1 - Level 1 Service Guide

Introduction

This chapter serves as a guideline to help the respective service personnel in the repairing of Puccini mobile phones up to level 1.

At level 1 stage, technician can repair those components without using screwdriver or any special devices.

Section 1.1 Disassembling the battery of Davidov

Step 1:



Push the button to release battery cover.

Step 2:



Drag the battery cover at the direction illustrated in the photo to open the cover.

Step 3:



Completely remove the battery cover.

Step 4:



Press the battery latch to the end at the direction illustrated in the photo and the battery cell would spring open, then take the battery out of handset.

Step 5:



Completely disassemble the battery cell and the cover.

Section 1.2 Assembling the battery of Davidov

Step1:



Insert the battery cell with an small angle into the handset.

Step 2:



Press the battery cell downward and hear a click sound to make sure the battery latch can lock the cell.

Step 3:



Place the battery cover on bottom case. Notice that the 6 side hooks should be aligned with the holes on the bottom case.

Step 4:



Push the cover in the direction illustrated in the photo to close and lock the cover. Thus complete the assembly process.

Chapter 2 - Level 2 Service Guide

Introduction

This chapter serves as a guideline to help the respective service personnel in the repairing of Puccini mobile phones up to Level 2.

At level 2 stage, technician should work with the screwdriver and other devices to disassemble/assemble the cases then repair the components inside.

Tools for assembling/disassembling the handset

A screwdriver is needed to assemble/disassemble the Puccini's upper and bottom cases. We should use electrical screwdriver with 6-corners-star T5 pit head. Please notice that the torque is 1.1Kg-cm and driver speed is 750 rpm.

1. Electrical screwdriver with torque and rotation speed controller.



2. T5 screwdriver.





Section 2.1 Disassembling the Davidov

Step 1:



Use a tweezers to remove the screw caps.

Step 2:



Remove 4 screws in the sequence of 6-5-4-3-2-1 illustrated in the photo by screwdriver.

Step 3:



Open the bottom case with a tweezers or a pick jig. Notice that there are 5 latches at the position illustrated in the photo.

Step 4:



Push the bottom case (the upper one in the photo) left relative to the top case (the lower one in the photo) to open the 2 latches at the front side.

Step 5:



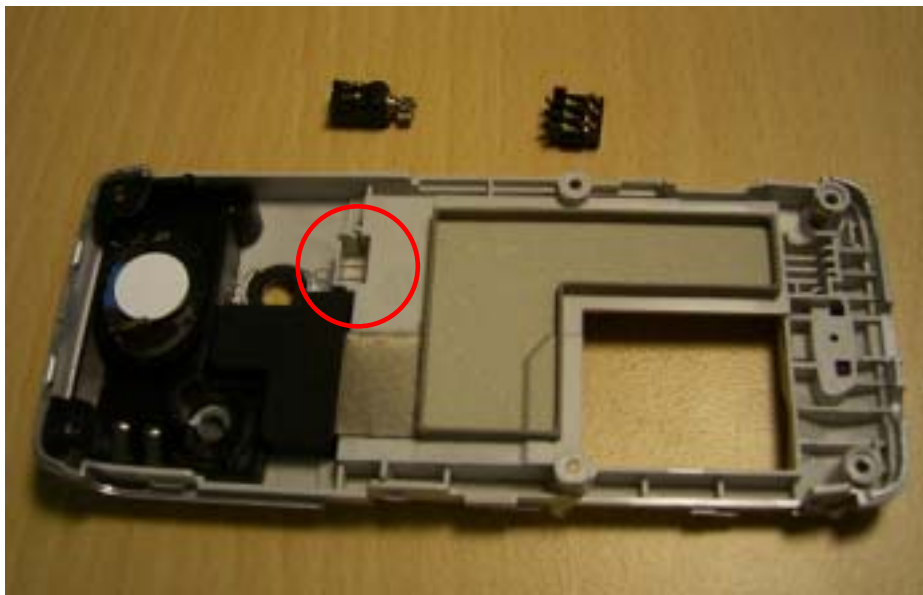
Remove the bottom case as shown in the photo.

Step 6:



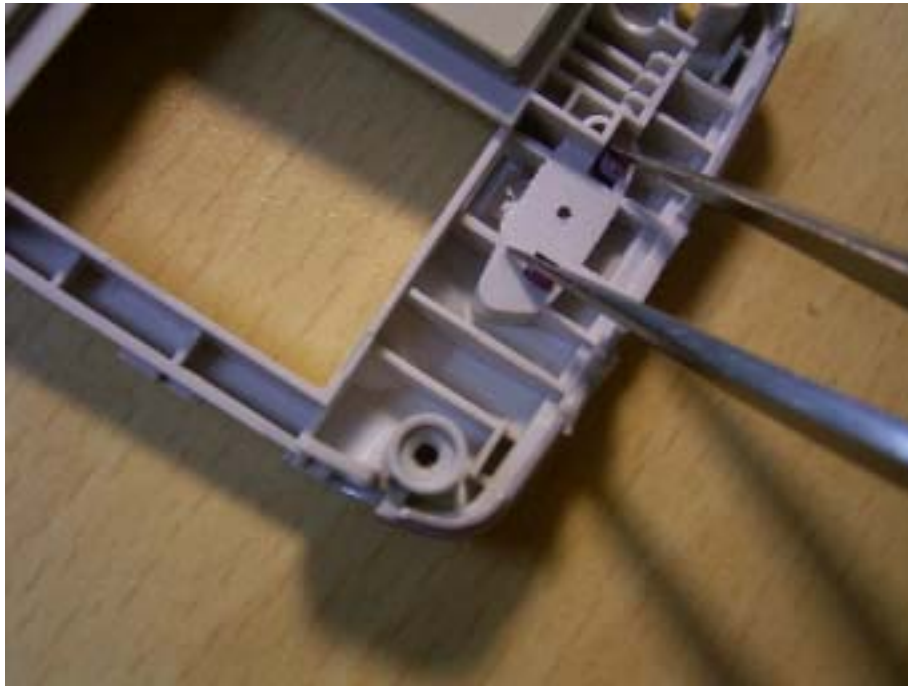
Remove the vibrator from the bottom case with a tweezers.

Step 7:



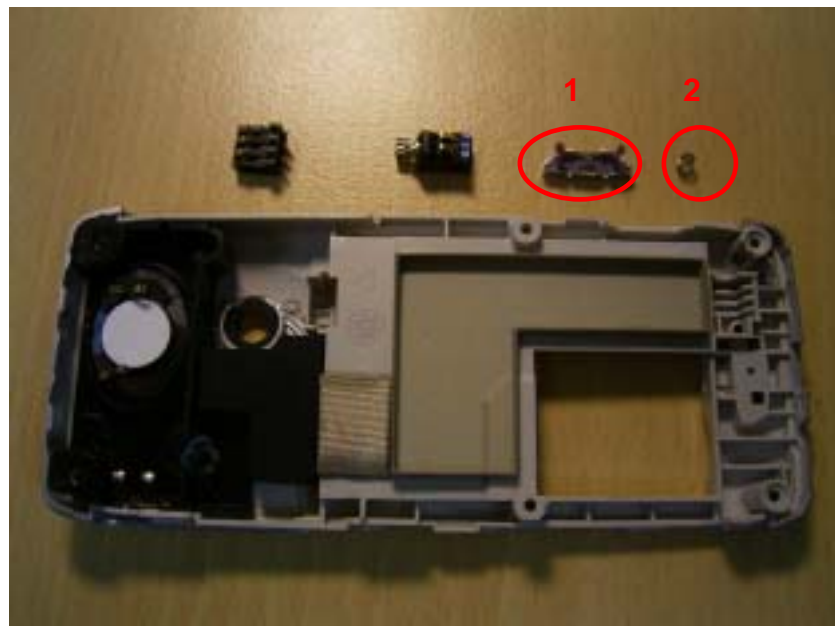
Remove the battery connector from the bottom case with a tweezers.

Step 8:



Use a tweezers to pick the latches of battery button and push it out.

Step 9:



Remove 1.battery button and 2.spring from bottom case.

Step 10:



Remove the screw lock on the slot with a screwdriver.

Step 11:



Pick up the antenna holder with a tweezers. Pay attention to two latches at the position illustrated in the photo.

Step 12:



Remove speaker from antenna holder

Step 12:



Remove the PCB from the top case.

Step 13:



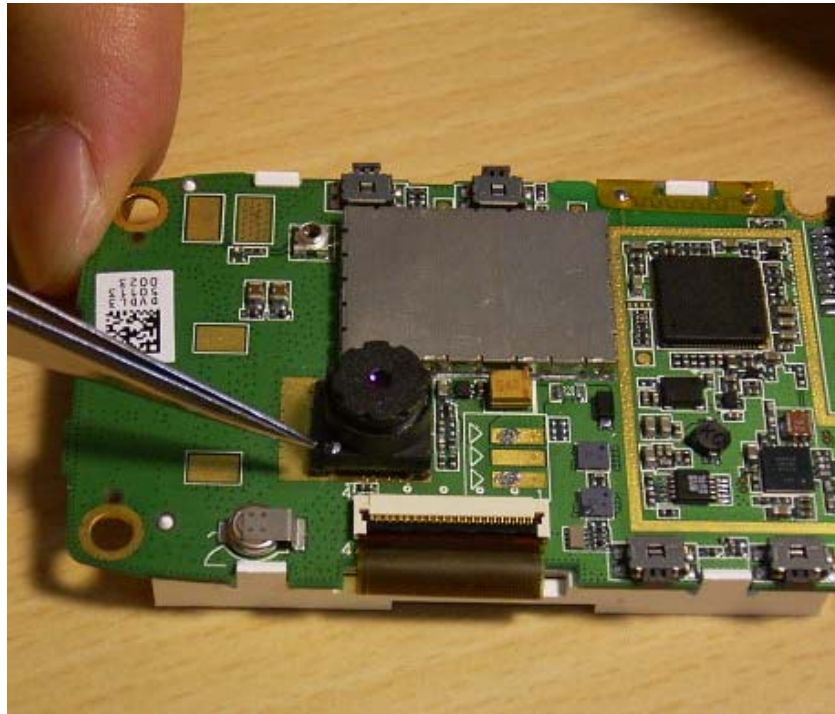
Remove microphone from PCB.

Step 14:



Remove 1.receiver, 2. side-keys, 3.keypad, 4.SD rubber cap from the top case

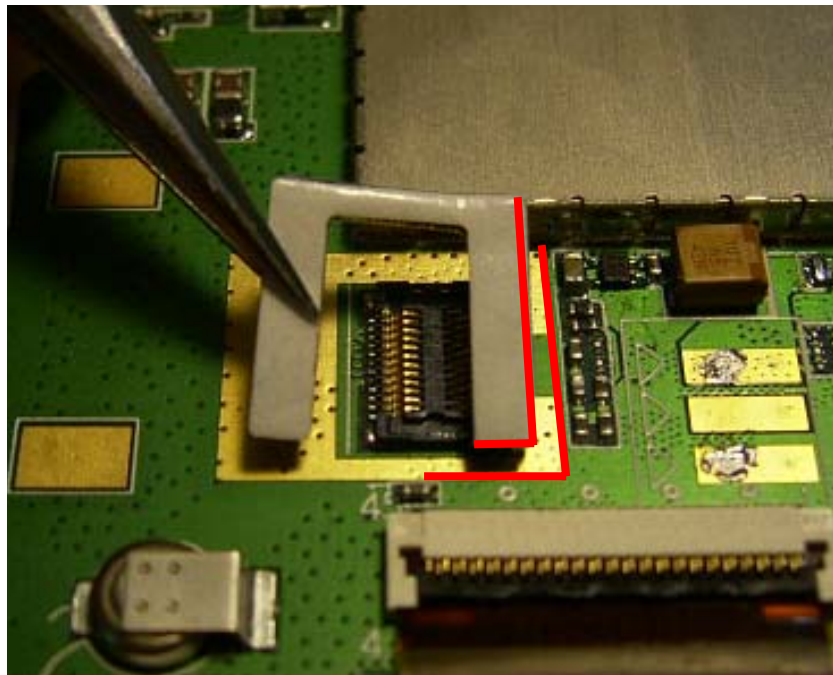
Step 15:



Take the camera out from PCB with a tweezers.

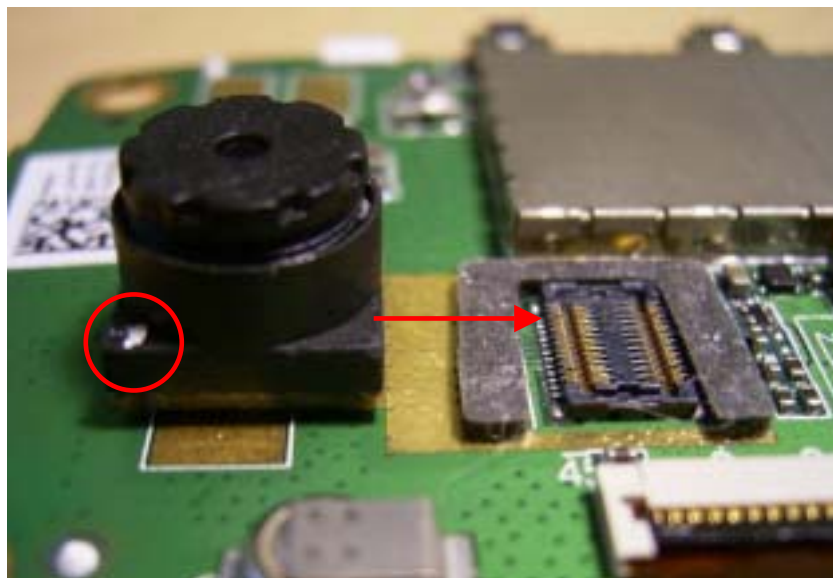
Section 2.2 Assembling the Puccini

Step 1:



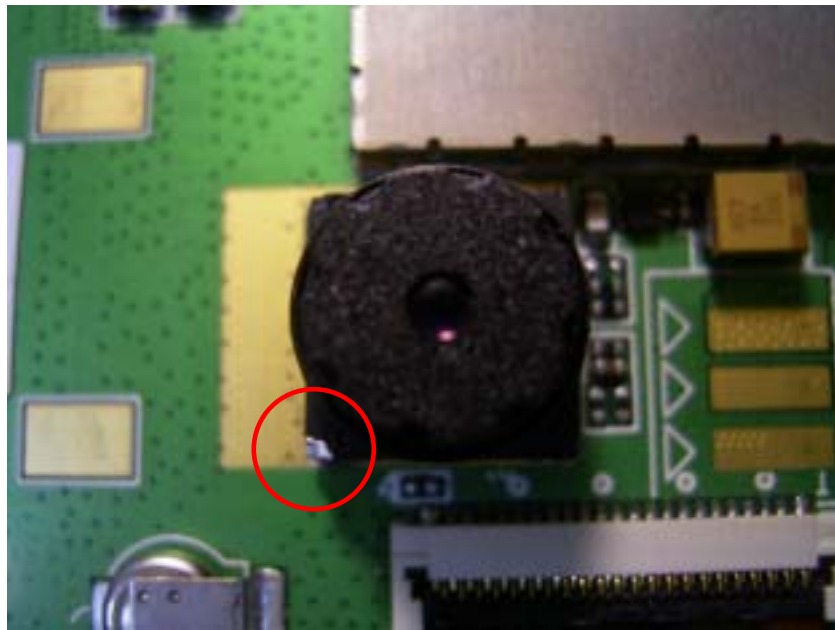
Put a camera sponge on the PCB. Notice that the edges of sponge should be aligned the ones of ground pad illustrated in the photo. And press it.

Step 2:



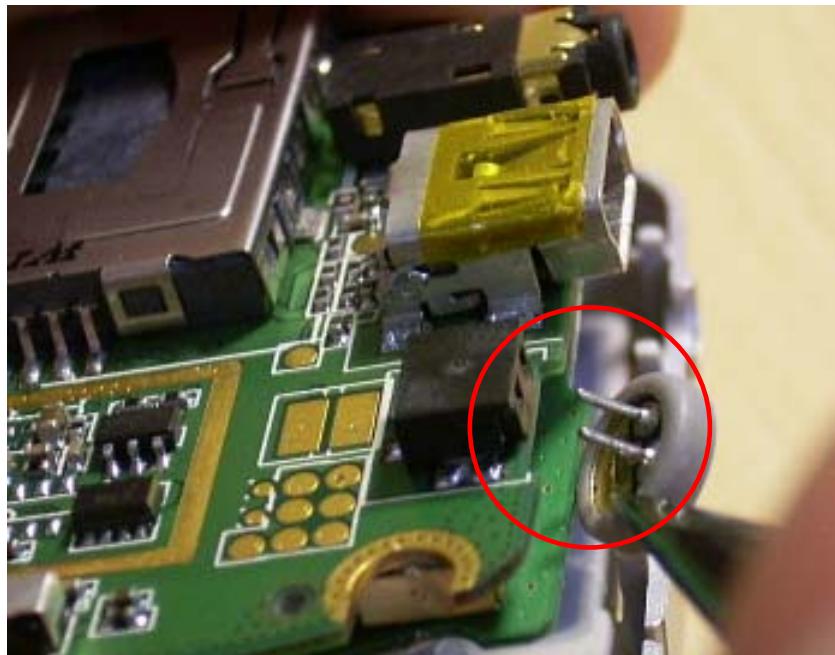
Assemble the camera. Notice the white point on the camera should be at the position illustrated in the photo.

Step 3:



Assemble camera completely and make sure the white point place at the position illustrated the photo.

Step 3:



Plug microphone in the socket and notice the direction.

Step 4:



Assemble side keys. Notice that the rib illustrated in the photo must be completely inserted.

Step 5:



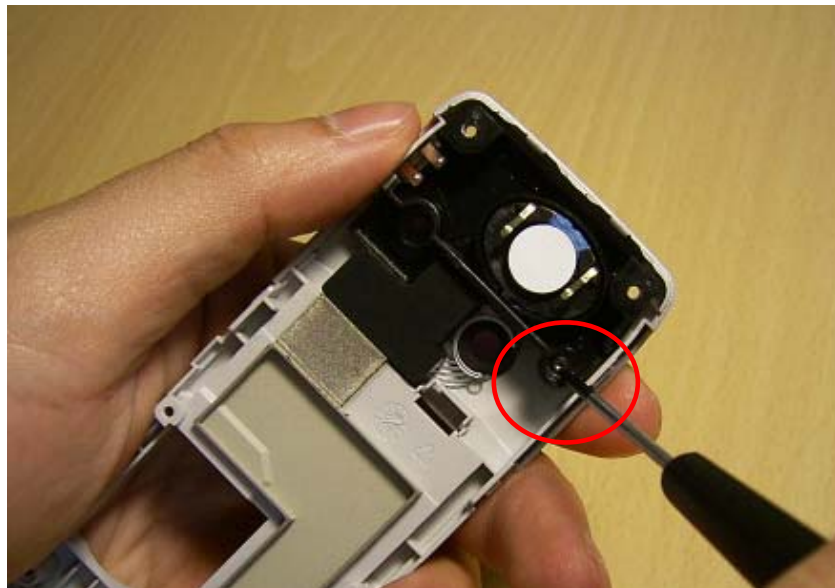
Assemble receiver and keypad to the corresponding position illustrated in the photo.

Step 6:



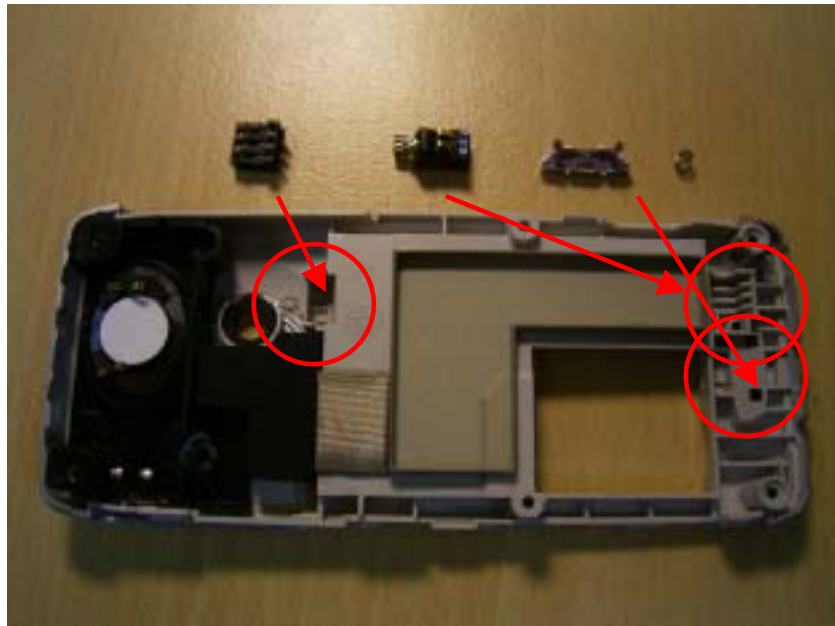
Assemble speaker to the antenna holder and notice the rib of speaker should be place at the position illustrated in the photo.

Step 7:



Assemble the antenna holder to bottom case and fasten screw.

Step 8:



Assemble the battery connector and vibrator to the corresponding position illustrated in the photo with a tweezers.

Step 9:



Assemble the PCB to top case and notice that PCB should be placed in two hooks.

Step 10:



Assemble the bottom case with the upper one. Fully insert the 2 latches at the front side.

Step 11:



Fasten the 6 screws in the sequence of 1-2-3-4-5-6 illustrated in the photo with proper torque and speed.

Step 12:



Place screw cap in bottom case with a tweezers

Step 13:



Insert the battery cell with an small angle into the handset.

Step 14:



Place the battery cover on bottom case. Thus complete the assembly process.