

Introduction

Purpose

This manual provides detailed replacement instructions for the FlexPay™ 6 A2-09 (G6-400) and serves as a quick guide to swap out the printer kit as a module.

Note: This guide is aimed at in-house service technicians only supporting FlexPay 6 A2-09 (G6-400).

Intended Audience

This manual is intended for Invenco-trained L1 Location service technicians supporting FlexPay 6 A2-09 (G6-400).

Note: This manual is available for download on Gilbarco® Online Documentation (GOLDSM).

Responsibilities and Authorities

Role	Responsibility
Service Technicians	An individual who repairs or troubleshoots various types of issues on the OPT inside a secure service location.

Definition

Role	Responsibility
L1 Location	A service location that can perform limited-service tasks that do not interfere with any loss of certification or activation of tamper grids.
EZ0754	Flexible Printed Circuit Assembly (FPCA), Printer Sensor, G6-400
EZ0749	Assy, Printer Mech, Seiko, G6-400
MP1303	Cover, Sensor, Paper Chute, G6-400
EK0255	Cable, Flexible Flat Cable (FFC), 6-WAY 0.5mm Pitch, 138mm, Gold Plated
MS0190	Screw M2.5 x 6, Plastite 48-2, Button Flange, T10, SS 410, Zinc
EZ0748	Assy, Paper Mount, G6-400
MP1280	Cover, Sensor, Paper Low, G6-400
MP1259	Spindle, Printer, G6-400

Related Documents

Document Number	Title	GOLD SM Library
DWI-00695	Printer Troubleshooting Guide G6-400 (A2-09)	-

Abbreviations and Acronyms

Term	Description
FFC	Flexible Flat Cable
FPC	Flexible Printed Circuit
FPCA	Flexible Printed Circuit Assembly
GOLD	Gilbarco Online Documentation
PCB	Printed Circuit Board
RPM	Rotations Per Minute

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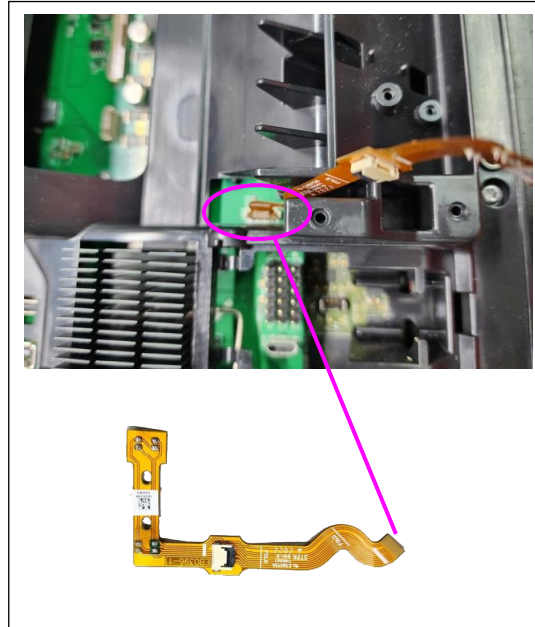
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Document History

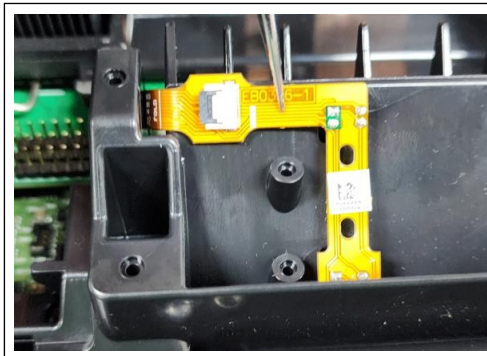
Revision	Date	Change Summary	Author
A	19/02/26	Draft	Matt L

Printer Replacement

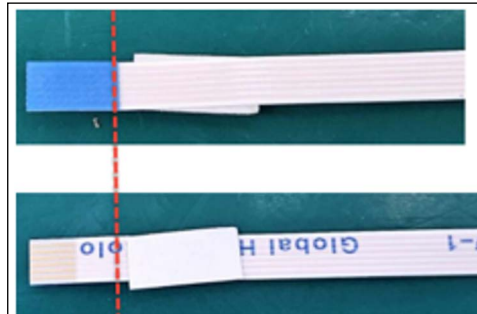
Step	Description
1	Attach the flexible printed circuit (FPC) (EZ0754) for the printer sensor to the designated location on the APP board.



2	Place the sensor on the location shown.
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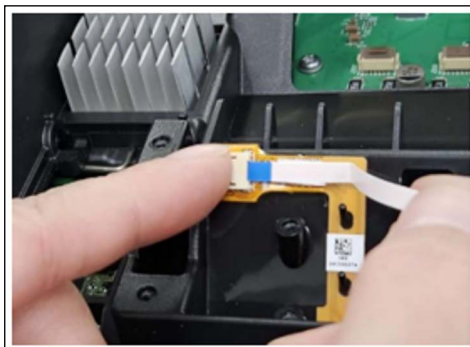
3	Pre-cut double sided tape: 5mm to 10m. Place double sided tape on the underside of EK0255 as shown. Ensure that you place the tape further away from the blue stiffner.
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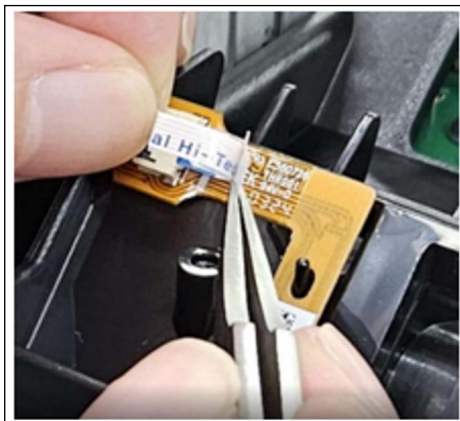
Step	Description
4	Pre-bend the FFC (EK0255) Max bend: 150 to 190mm Use the table guide for bending:



5	Connect the FPC (EK0255) on the printer sensor (EZ0754) as shown
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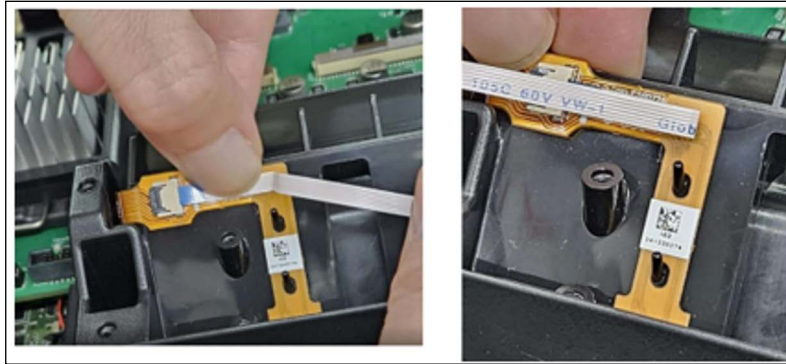


6	Remove the double-sided tape protection paper on the underside of the FPC as shown.
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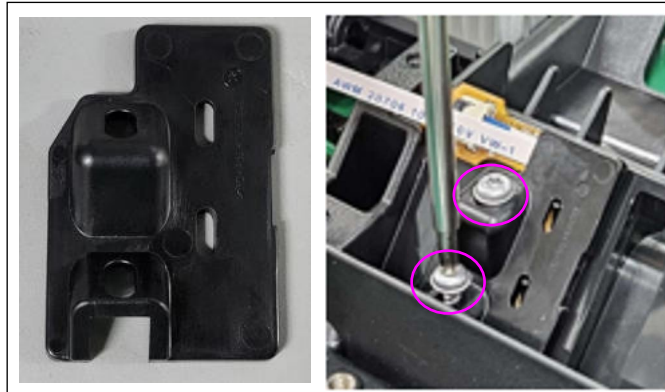


Step	Description
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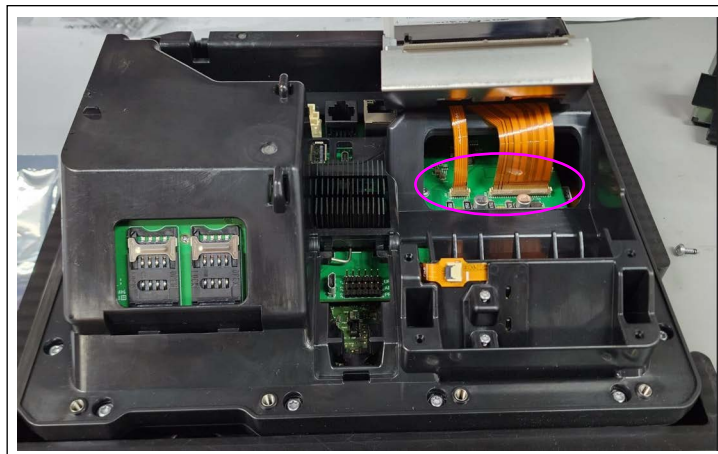
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|---|--|
| 7 | Stick the FPC to the rear case as shown, press it for 3 to 5 secs. |
|---|--|



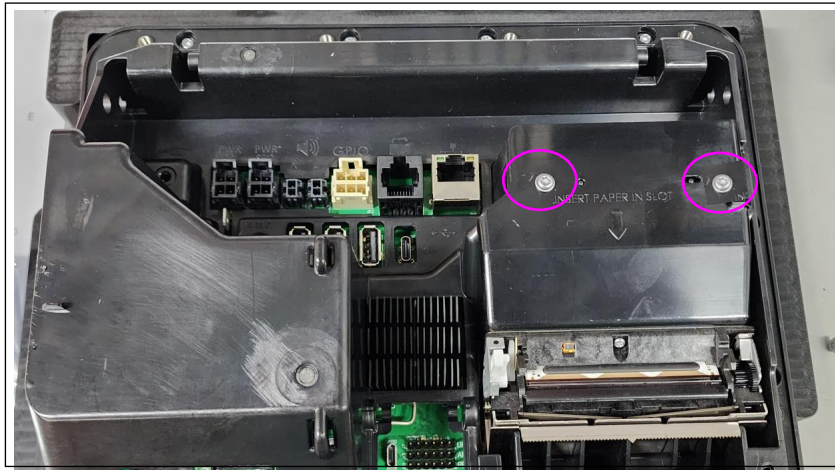
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|---|--|
| 8 | Place the cover sensor (MP1303) to hold the FPC down. Tighten using 2x MS0190.
Torque to 35.5 +/-2.5 cNm.
Torque Rotations Per Minute (RPM): 690 (low) |
|---|--|



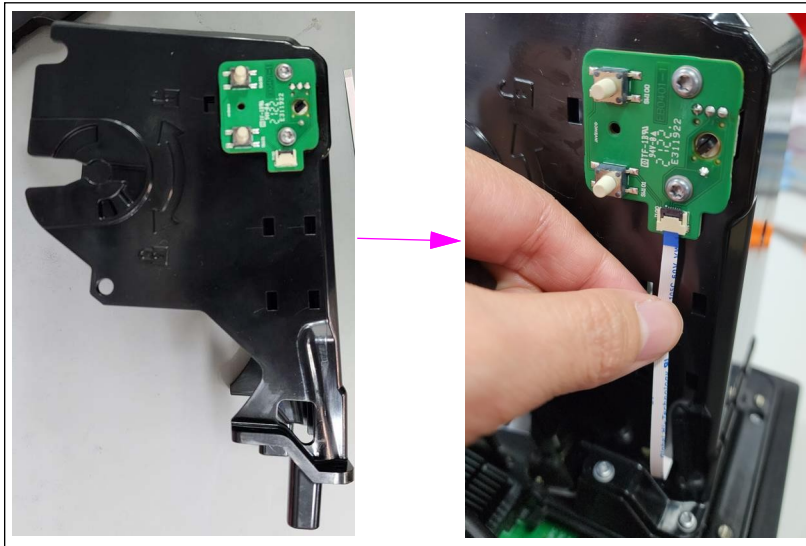
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|---|---|
| 9 | Place the printer assembly (EZ0749) upside down at the back of the FlexPay 6 A2-09 assembly as shown.
Connect the two FPC from the printer to the APP board connector. |
|---|---|



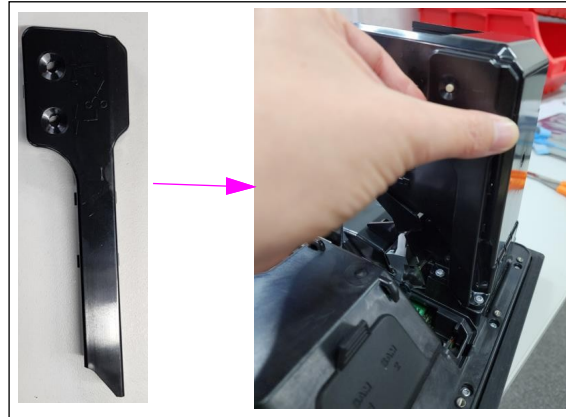
Step	Description
10	Slide down the printer assembly, tighten the printer to the back case using screw (MS0315). Torque to 55.0+/-2.5 cNm. Torque RPM: 1000 (high)



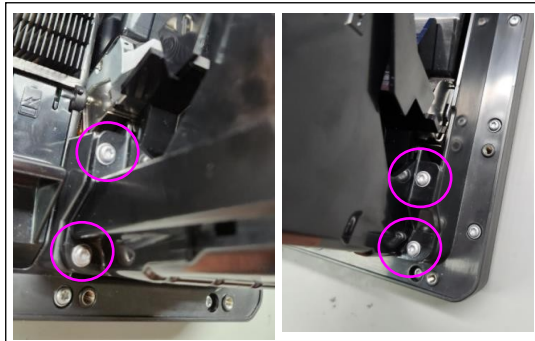
11	Place the paper chute assembly (EZ0748) at the back of the unit and feed the (EK0255) FPC on the paper chute hole.
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Step	Description
12	Once the FPC is connected to the Paper low sensor Printed Circuit Board (PCB). Cover the assembly with the sensor cover (MP1280).



13	Tighten the paper chute assembly on the 4 locations shown using (MS0315) screw. Torque to 55.0+/-2.5 cNm. Torque RPM: 1000 (high)
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14	Insert the spindle (MP1259) on the location shown. Twist to lock it.
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