Spare Parts List

Rev #: 1.03

Date: 17 April 2025

Revision History

Doc. Version	SW/HW Release	Date	Details	
1.03	R5.3.2	TBD	Updated Section 2.5 – ROSS PCA image/Cable EM to PH Board Comms image. Updated Section 3.1 – Removed Wiper Base & sub assemblied as these are part of the Carrier assembly. Updated Section 4.1 – Updated WiMM cable part number & description	
1.02	R5.2.2	7 Oct 2022	Updated Section 2.5 - Added DuraFlex FRU Cable EM to PH Board Comms	
1.01	R5.2.2	23 Sep 2022	Removed AES Assembly from document	
1.00	R5.2.2	06 Apr 2022	First Release	

Contents

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1   Introduction

This document is part of the OEM-facing documentation suite for Memjet DuraFlex® module-based printing systems. It references, and therefore requires access to, additional documentation available for download from your Memjet Partner Site.

1.1   Aim and Audience

This document contains the complete list of parts available for purchase by OEMs. This document is intended for engineers and technicians at Original Equipment Manufacturers (OEMs) who are responsible for maintenance and servicing of DuraFlex components in a DuraFlex-based printing system.

1.2   Prerequisites and Scope

The reader is expected to be familiar with DuraFlex-based printing systems. This document does not include operations information or troubleshooting content.

1.3   Typographic Conventions

Throughout this document, the following typographic conventions are used:

Code Character	`Courier` font is used to identify HTTP GET and POST commands with associated arguments, as well as references to source code, job states, registry settings, directory/file names, XCI commands, and XML settings.
Bold	Text that appears on-screen in the user interface is shown in **bold font**. This includes UI buttons, engine states, warning codes, and fault codes.
Yellow Highlighting	Yellow highlighting indicates sections that are new or updates in this version of the document, compared to the previous version.

1.4   Related Documentation

Other documents, besides this guide, provide further details for specific readers:

- *System Overview* – For OEM managers and non-technical personnel charged with evaluating the DuraFlex components for use within their products. This document describes the DuraFlex concept and Memjet-supplied DuraFlex components and gives an overview of the operational considerations. It introduces the components an OEM is required to design and manufacture to ensure the DuraFlex Modules function as designed in a DuraFlex-based print engine.
- *Mechanical and Fluidic Databook and Design Guide* – For mechanical design engineers and developers, providing details of the Memjet hardware modules and components (including printhead and maintenance system) and specifications of the ink delivery system fluidics.
- *Electrical Databook and Design Guide* – For electrical design engineers and developers, providing details of the Memjet power requirements, electronic assemblies, and connections.
- *Software Databook and Design Guide* – For software and firmware engineers who need to understand the software interfaces, commands, scripts, and reference software applications.
- *Demo GUI User Guide* – For OEM personnel using the DuraFlex Demo GUI reference application.
- *Installation and Commissioning Guide* – For OEM personnel who are installing and commissioning a new printing system.
- *Operations Guide* – For OEM engineers and operators to perform operational tasks.
- *Troubleshooting Guide* – For OEM engineers and technicians to identify symptoms and resolve issues.
- *Service and Repair Guide* – For OEM engineers and technicians to perform DuraFlex inspection and maintenance tasks and component and consumable replacement.
- *Job Submission Library Guide* – For OEM software engineers to incorporate the Job Submission Library (JSL) into their chosen Raster Image Processor (RIP).

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- *Technical Bulletins* – For various audiences to announce product or process update or to provide specifics on single-subject technical topics.
- *CAD and Schematics* – For various audiences to provide detailed dimensions related to specific areas.

Note:	All technical documentation is available on your Memjet Partner Site.

1.5   Glossary

For terms, acronyms, and abbreviations used in this guide and some product-specific terms, see the *DuraFlex Glossary*.

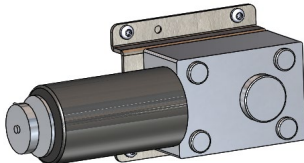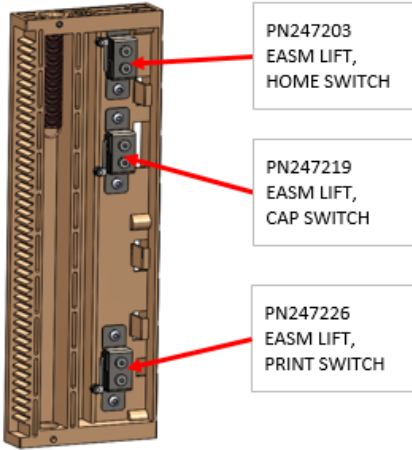| Note:	This document is hyperlinked to the glossary. For offline reading, download the DuraFlex Glossary file from your Memjet Partner Site.

1.6   Additional Documentation or Access

For additional product-related technical documents, go to your Memjet Partner Site.

If you need Partner Site access, enter a case in Service Desk (*https://OEMsupport.memjet.com*), send an email to Memjet Customer Support (*customer.support@memjet.com*), or contact your Technical Account Manager.

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2   PHMS Module Components
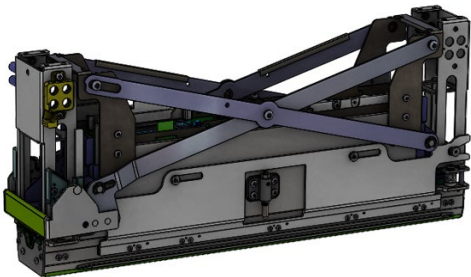
2.1   Printhead Lift Mechanism

Description	Component Illustration	Part No.	Sales Description
Lift Motor		10005283	DuraFlex FRU PHLM Motor Lift
EASM Lift Home Switch	PN247203 EASM LIFT, HOME SWITCH	10005284	DuraFlex FRU PHLM EASM Lift Home Switch
EASM Liftcap Switch	PN247219 EASM LIFT, CAP SWITCH	10005285	DuraFlex FRU PHLM EASM Lift Cap Switch
EASM Lift Print Switch	PN247226 EASM LIFT, PRINT SWITCH * Switch Mounting Rack not included	10005286	DuraFlex FRU PHLM EASM Lift Print Switch

2.2   Printhead Cradle Module

Description	Component Illustration	Part No.	Sales Description
Printhead Cradle Module		10005287	DuraFlex FRU PHCL PH Cradle Module
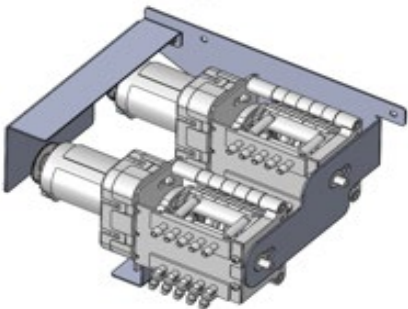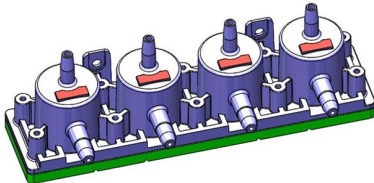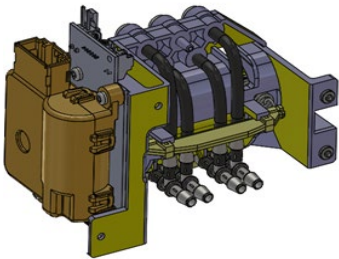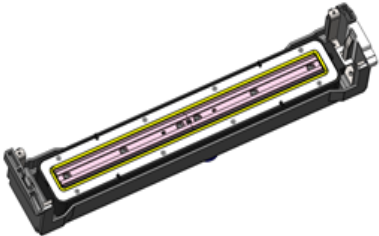
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2.3 Front Ink Delivery System (FIDS)

Description	Component Illustration	Part No.	Sales Description
Circulating Pump (2 Channel) Assembly (2 Pumps + Mounting Bracket)		10005288	DuraFlex FRU FIDS Circulating Pump Assembly (two Channel, 2 Pumps and Mounting Bracket)
Compliance Module		10005289	DuraFlex FRU FIDS Compliance Module
Pinch Valve Assembly (with bracket)		10005290	DuraFlex FRU FIDS Pinch Valve Assembly with Bracket
Circulation Pump Cable		10005276	DuraFlex FRU FIDS Circulation Pump Cable
Pinch Valve Cable		10005277	DuraFlex FRU FIDS Pinch Valve Cable

2.4 Capper

Description	Component Illustration	Part No.	Sales Description
Capper Assembly		10005278	DuraFlex FRU Capper Assembly

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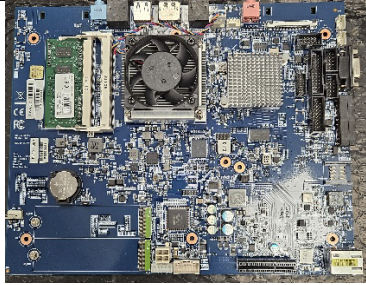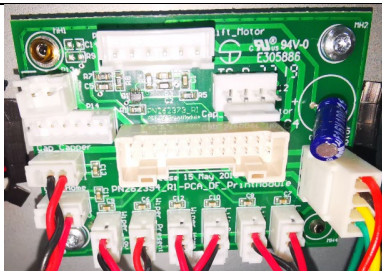
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<mark>2.5 Electronics</mark>

Description	Component Illustration	Part No.	Sales Description
Ultron Board Rev		10005279	DuraFlex FRU ELECTRONICS ULTRON Board
<mark>Ross Board 1Gigabit</mark>		<mark>Part Number Varies. Contact Memjet for your specific part no.</mark>	<mark>DuraFlex FRU Electronics Ross Board 1G</mark>
10Gigabit Ethernet Upgrade Kit for Ross Board		10005281	DuraFlex FRU Electronics Ross Board 10G Upgrade Kit
Fan Assembly for ROSS 10G		10005282	DuraFlex FRU ELECTRONICS FAN ASSY FOR ROSS 10G
Print Module Passthrough PCA		10005291	DuraFlex FRU Electronics Print Module Passthrough PCA

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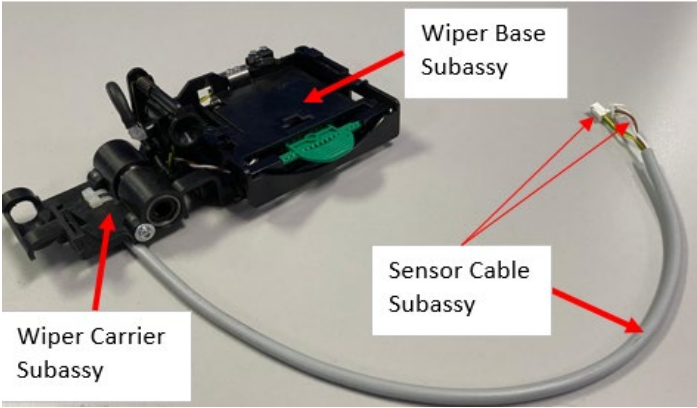
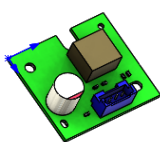|				
Print Module Cable			10005292	DuraFlex FRU Electronics Print Module Cable
Flat Flexible Cable			10005293	DuraFlex FRU Electronics FFC
Ultron to Meander Cable		Caution: The User should validate compatibility of the cables when changing a Meander or Ultron board. The cable connectors are available with different material options (Tin (Sn) and Gold (Au)) as shown on the right.	10006636	DuraFlex FRU Electronics Cable – Ultron(Au) to Meander(Au)
			10006635	DuraFlex FRU Electronics Cable – Ultron(Sn) to Meander(Au)
			10006634	DuraFlex FRU Electronics Cable – Meander(Sn) to Ultron(Au)
Cable EM to PH Board Comms			10006931	DuraFlex FRU Cable EM to PH Board Comms

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3 Wiper Module

3.1 Wiper Carrier Subassembly

Description	Component Illustration	Part No.	Sales Description
Wiper Carrier Subassembly		10005294	DuraFlex FRU Wiper Carrier SubAssy

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4   Waste Ink Management Module (WIMM)

4.1   WIMM

Description	Component Illustration	Part No.	Sales Description
Separator Tank Assembly		10005301	DuraFlex FRU WIMM ASM Separator Tank
WIMM Cable		10005135	DuraFlex Print Module to Waste Ink Module Interconnection
Pressure Sensor PCA		10005303	DuraFlex FRU WIMM Pressure Sensor PCA