

NEW HOLLAND **REPAIR** SP Series Planter **MANUAL**

How to Use This Manual
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Fault Code Index



Repair Manual 87057742

MASTER TABLE OF CONTENTS

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You can order Repair Manual Books separately or you can order a complete Repair Manual (Publication Number 87057742).

How to use this manual

Welcome to your revised SP Series Planter repair manual.

The information in this manual is structured using the Integrated Coding Environment (ICE). ICE is the backbone for a new system in which all repair information is created, stored, retrieved and distributed from the Technical Information Database (TIDB).

All information within the manual is assigned an ICE code. The first part of the code describes the functional location of the subject matter, the second part – the Infotype – describes the information category and type.

Functional Location	Infotype
(L.10.H.28 - F.10.A.10)	

RH05A066

This new coding structure and database were created to help you locate repair information more rapidly.

This printed manual is one medium in which the information is distributed. The same database also generated the fault code diagnostic information for the planter EST (Electronic Service Tool) and the CD-ROM version of this manual with their different capabilities. The same database will one day provide access to this information through ASIST.

Section

This manual is divided into functional Sections. Only those sections relevant to planter functions are included from the total group available for all repair manuals in the New Holland family of products. The table below indicates the sections used:

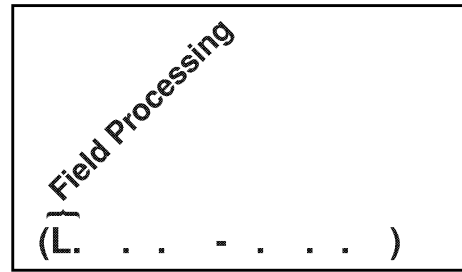
	SECTION									
	A – Distribution Systems									
	B – Power Production									
	C – Power Train									
	D – Traveling									
	E – Body and Structure									
	F – Frame Positioning									
	G – Tool Positioning									
	H – Working Arm									
	J – Tools and Couplers									
	K – Crop Processing									
	L – Field Processing									
PRODUCT										
Planter	X		X	X					X	

Each section is identified by a letter in ICE coding: A, D, F or L.

How to use this manual

All information included in a section is first identified with the letter for the section. For example, repair information related to frame positioning is always initially identified with the letter “F”.

Repair information for field processing is always initially identified with the letter “L”.



RH05A065

The content of a section is determined by its functional definition:

Section	Letter	Description
Distribution Systems	A	Distribution systems are the main systems which interact with most of the planter components. Hydraulic schematics and valve block information are found in this section. Planter and farming system electrical schematics and harnesses, as well as controller, connector, fuse and relay information, are located in this section.
Traveling	D	Traveling concerns the components which make movement of the planter possible – that is, wheels and axles.
Frame Positioning	F	Frame positioning concerns the components which move the planter into planting position or into road transport position. The information is organized by the movement: lifting, swinging, extending or folding. All information related to the cylinders and solenoid valves which make these movements possible is located in this section.
Field Processing	L	Field processing contains all the information unique to planting and the SP Series planters; all information on seeding and chemical application components, as well as the vacuum, air and marker system components, is located here.

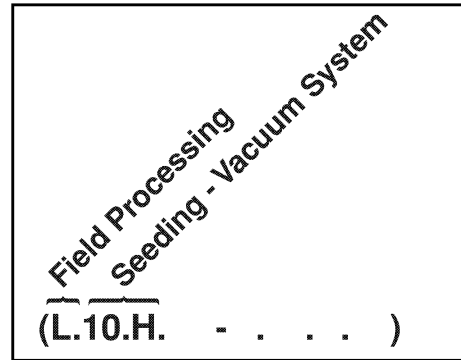
Chapter

The information within a section is sub-divided into functional Chapters. Many chapter headings are generic and could apply to almost any product in the New Holland family – for example, Primary hydraulic power, Electrical power or Lighting system.

Some chapter headings, however, are very product specific and apply to fewer products – “Marking system” for planters and sprayers, for example.

How to use this manual

Each chapter is identified by a number/letter combination. The combination for Seeding – Vacuum System is “10.H.”



RH05A064

The chapter breakdown for section L – Field processing – is shown below. The chapter identifier for Seeding Vacuum System is circled.

SEEDING Mechanical system SP280 Mounted Rigid, SP380 Mounted Stacker, SP480 Trailing Rigid, SP580 Pivot-Transport	L.10.B
SEEDING Fan system SP280 Mounted Rigid, SP380 Mounted Stacker, SP480 Trailing Rigid, SP580 Pivot-Transport	L.10.D
SEEDING Air system SP280 Mounted Rigid, SP380 Mounted Stacker, SP480 Trailing Rigid, SP580 Pivot-Transport	L.10.E
SEEDING Metering system SP280 Mounted Rigid, SP380 Mounted Stacker, SP480 Trailing Rigid, SP580 Pivot-Transport	L.10.F
SEEDING Vacuum system SP280 Mounted Rigid, SP380 Mounted Stacker, SP480 Trailing Rigid, SP580 Pivot-Transport	L.10.H
SEEDING Marking system SP280 Mounted Rigid, SP380 Mounted Stacker, SP480 Trailing Rigid, SP580 Pivot-Transport	L.10.J
CHEMICAL APPLICATORS Granular chemical system SP280 Mounted Rigid, SP380 Mounted Stacker, SP480 Trailing Rigid, SP580 Pivot-Transport	L.40.B
CHEMICAL APPLICATORS Liquid fertilizer system SP280 Mounted Rigid, SP380 Mounted Stacker, SP480 Trailing Rigid, SP580 Pivot-Transport	L.40.C
CHEMICAL APPLICATORS Fertilizer applicators SP280 Mounted Rigid, SP380 Mounted Stacker, SP480 Trailing Rigid, SP580 Pivot-Transport	L.40.F

RH05A102

Information Unit

Each chapter is composed of information units (IU). An information unit may be best understood as an information container for any system or component on the planter which requires some type of repair data. As such, an information unit can be of any length, from a few lines to 30 or more pages.

An information unit has three elements: a subject matter, a location code and an Infotype.

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