



# JOHN DEERE & HYUNDAI EUI REPAIR LAUNCH

**SUBJECT: REPAIR PARTS NOW AVAILABLE TO ORDER**

## 1. Introduction

Earlier in 2005, Delphi Diesel launched EUI repair with a programme of test equipment and parts covering the A-series of injectors fitted to Volvo applications.

We are pleased to announce that the EUI repair programme has now been extended to cover John Deere and Hyundai A-series injectors.

This programme will cover every aspect required by the network to carry out an effective repair. This will include recommended test equipment, diagnostics, tooling, test plans, repair parts, manuals, SI notes, parts lists and EVD's.

## 2. EUI Workshop Requirements

Delphi Diesel Aftermarket has issued Service Policy documents (DT307/2 & DT367) that give details of the clean environment and cleaning equipment required to become an authorised Delphi Common Rail service centre. These same standards apply to EUI repair.

There are also certain pieces of test equipment that a workshop must possess in order that it can upgrade to EUI repair capability. The required equipment for Hyundai repair is exactly the same as for Volvo, whilst an additional kit is required for the servicing of the John Deere injectors:

Description	Part No.	Distributor	Availability / Launch
AVM2PC Test Stand (20HP) with v.32 software or later	various	Hartridge	Contact Hartridge
Interface PCB	AE33	Hartridge	Contact Hartridge
Electronic Test Kit	YDB295 or YDT240	Delphi Diesel Aftermarket	Avg. 10 week lead time

EUI Base Kit	HK870	Hartridge	Contact Hartridge
**Load cell upgrade kit	HB388	Hartridge	Contact Hartridge
Volvo EUI Accessory Kit	HK872	Hartridge	Contact Hartridge
Volvo EUI AO Accessory kit	HK883	Hartridge	Contact Hartridge
John Deere Accessory kit	HK877	Hartridge	Contact Hartridge
OCRES interface	YDT331	Delphi Diesel Aftermarket	Available ex-stock
EUI cradle	NTA4001	Hartridge	Contact Hartridge
90V power supply	AE36/1	Hartridge	Contact Hartridge
Nozzle Testing Adaptor	NTA4501	Hartridge	Contact Hartridge

*\*\*Please note that the Load cell upgrade kit is now available from Hartridge and is a technical requirement for all Delphi EUI repair workshops*

### 3. Test Plans

The test plans for the John Deere and Hyundai A-type EUI will be distributed on the forthcoming version of OCRES (DDR101 version 6). If you wish to upgrade your OCRES access level to EUI repair status then please contact the Service Operations department.

### 4. Tooling

To facilitate the test and repair of EUI, a tool kit has been developed specifically for the dismantling, re-assembly and testing of the product. As with the Common Rail pump repair kit, the tools have been designed to be used in the Hartridge clean cabinet to ensure compliance with the cleanliness standards. This kit is Delphi part number YDT384 and contains the following tools:

- Assembly fixture
- Spring Compressor
- Actuator Socket
- Nozzle cap nut socket
- O-ring Sleeve

In addition a range of standard workshop tools will be required (see publication DDNX241) for details.

### 5. Technical Information and Training

Technical information for EUI is now available on Direct2Web – this will include all the relevant parts lists and EVD's along with the accompanying SI notes and Warranty notes.

A repair manual, DDNX241, giving details of all test and repair procedures is also available and will be issued to all those who attend the EUI repair course that will be run at regular intervals. It is essential that all workshops who plan to repair Delphi EUI attend the training course.

## 6. Repair Parts Programme

The repair parts programme for John Deere will cover the following injectors:

BEBE4B03001	BEBE4B04001	BEBE4B13001
BEBE4B14001	BEBE4B17101	BEBE4B17102
BEBE4B17103		

The repair parts programme for Hyundai will cover the following injectors:

BEBE4B15001	BEBE4B15002	BEBE4B15003
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Full parts lists and Exploded View Diagrams are available on Direct2Web.

A number of kits will be sold in order to aid EUI repair. The kit numbers and their contents are detailed below:

	<u>Contents</u>
7135-486 Actuator kit	1 x A2A00001 (actuator) 1 x 7200-0018 (seal) 1 x 7204-0071 (dowel pin) 1 x 7204-0094H (graded washer)
7135-487 Adaptor Plate Kit	2 x 7169-723E (dowel pin) 1 x 7207-0064 (spring seat) 1 x 7207-0065 (adaptor plate)
7135-488 Overhaul Kit	1 x 7200-0013 (steel Ball) 1 x 7200-014 (seal) 1 x 7200-0015 (seal) 1 x 7200-016 (seal) 1 x 7200-017 (seal) 1 x 7200-0018 (seal) 1 x 7200-0024 (circlip) 1 x 7204-0007 (dowel pin) 1 x 7204-0071 (graded washer)

Please note that for John Deere repairs the individual seals, 7200-0030 & 7200-0031 will be required in addition to the overhaul kit.

## 7. Price Detail

### Tooling

Part Number	Description	Overseas Nett Price
YDT384	EUI tool kit	

Repair Parts

Part No.	Description	Pack Size	Overseas Nett Price
7169-539	Compression Spring	1	
7169-706KA	Shim	10	
7169-706KB	Shim	10	
7169-706KC	Shim	10	
7169-706KD	Shim	10	
7169-706KE	Shim	10	
7169-706KF	Shim	10	
7169-706KG	Shim	10	
7169-706KH	Shim	10	
7169-706KJ	Shim	10	
7169-706KK	Shim	10	
7169-706KL	Shim	10	
7169-706KM	Shim	10	
7169-706KN	Shim	10	
7169-706KP	Shim	10	
7169-706KR	Shim	10	
7169-706KS	Shim	10	
7169-706KT	Shim	10	
7169-706KU	Shim	10	
7169-706KV	Shim	10	
7169-786	Spring Chamber Assembly	1	
7200-014	Seal	1	
7200-016	Seal	10	
7200-017	Seal	10	
7200-0030	Seal	10	
7200-0031	Seal	10	
7204-0075	Plunger Return Spring	1	
7204-0082	Spring Guide	1	
7204-0083	Edge Filter	1	
7204-0084	Bowed Wire Ring	1	
7204-0087	Spring Chamber Assembly	1	
7204-0091	Edge Filter	1	
7204-0092	Ring	10	
7204-0221	Separator Ring	1	
7204-0256	Spring Guide	1	
7204-0263	Plunger Return Spring	1	
7204-0276	Protection Cover	6	
7204-0289	Edge Filter	1	
7204-0412	Thrust Socket	1	
7204-180	Thrust Pad	1	
7204-220	Thrust Socket	1	

7207-0013	Nozzle Capnut	1	
7207-0015	Nozzle Capnut	1	
7207-0016	Nozzle Capnut	1	
7207-0019	Nozzle Capnut	1	
L010PBB	Nozzle – John Deere	1	
L011PBB	Nozzle – John Deere	1	
L018PBB	Nozzle – Hyundai	1	
L021PBC	Nozzle – John Deere	1	
L022PBC	Nozzle – John Deere	1	
L024PBB	Nozzle – Hyundai	1	
L029PBB	Nozzle – Hyundai	1	
L031PBC	Nozzle – John Deere	1	
7135-486**	Actuator Kit	n/a	
7135-487	Adaptor Plate Kit	n/a	
7135-488	Overhaul Kit	n/a	

\*\*There will be a surcharge of £20.00 applied to this kit which will be credited back upon the receipt of the main actuator core (A2A00001). All cores should be returned as per the guidelines stated in the Exchange Pumps & Injectors catalogue, DDCX114.

## 8. Distribution

Access to EUI repair parts will be restricted to those workshops that have met the required standards and have been approved for EUI repair capability.

For further information on becoming an EUI Repair Centre, please contact the Delphi Service Operations Department.

## 9. Promotional literature

In order to help the Delphi network promote its EUI repair capability, we have prepared two pieces of promotional literature. The first (DDSX288) is a 4-page brochure detailing Delphi EUI parc volumes, the principles behind the technology and the requirements for repair. The second (DDSX291) is an overprint sheet, which the workshops can customise with their own details and use to promote their capability onwards.

To order either of these items, please contact Delphi Customer Services.

## 10. To order

To order any of the parts detailed on this note please contact the Customer Services department quoting the Delphi part number and your order will be processed.

If you require any further information then please contact your Area Sales Manager or Territory Manager.