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# Farmall 75C
# Farmall 85C
# Farmall 95C
# Farmall 105C
# Farmall 115C

## Efficient Power - Tractor

*PIN ZDJV16843 and above*

# SERVICE MANUAL

Part number 47803856
English
November 2014
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CASE IH AGRICULTURE

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| Product | Market Product | Engine |
|---|---|---|
| Farmall® 75C senza cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Asia Pacific | F5DFL413H*A002 |
| Farmall® 75C con cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Asia Pacific | F5DFL413H*A002 |
| Farmall® 75C con cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Middle East Africa | F5DFL413H*A002 |
| Farmall® 75C con cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Australia New Zealand | F5DFL413H*A002 |
| Farmall® 75C con cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Europe | F5DFL413H*A002 |
| Farmall® 75C con cabina, con trasmissione hi-lo [ZxJV0xxxx] | Europe | F5DFL413H*A002 |
| Farmall® 75C con cabina, con trasmissione hi-lo [ZxJV0xxxx] | Asia Pacific | F5DFL413H*A002 |
| Farmall® 75C con cabina, con trasmissione hi-lo [ZxJV0xxxx] | Australia New Zealand | F5DFL413H*A002 |
| Farmall® 75C con cabina, con trasmissione hi-lo [ZxJV0xxxx] | Middle East Africa | F5DFL413H*A002 |
| Farmall® 75C senza cabina, con trasmissione hi-lo [ZxJV0xxxx] | Europe | F5DFL413H*A002 |
| Farmall® 75C senza cabina, con trasmissione hi-lo [ZxJV0xxxx] | Middle East Africa | F5DFL413H*A002 |
| Farmall® 75C senza cabina, con trasmissione hi-lo [ZxJV0xxxx] | Australia New Zealand | F5DFL413H*A002 |
| Farmall® 75C senza cabina, con trasmissione hi-lo [ZxJV0xxxx] | Asia Pacific | F5DFL413H*A002 |
| Farmall® 85C senza cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Middle East Africa | F5DFL413J*A001 |
| Farmall® 85C senza cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Europe | F5DFL413J*A001 |
| Farmall® 85C senza cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Asia Pacific | F5DFL413J*A001 |
| Farmall® 85C senza cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Australia New Zealand | F5DFL413J*A001 |
| Farmall® 85C con cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Europe | F5DFL413J*A001 |
| Farmall® 85C con cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Asia Pacific | F5DFL413J*A001 |
| Farmall® 85C con cabina, con trasmissione meccanica o Power Shuttle [ZxJV0xxxx] | Middle East Africa | F5DFL413J*A001 |

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3. Bleed vent
4. Bearing
5. Reducer driving gear (Z 25)
6. Bearing
7. Reducer front half-shell
8. Seal
9. Dust excluder
10. Oil level plug
11. Oil drain plug
12. Bearing
13. Power Take-Off (PTO) output shaft / driven gear (Z 48)
16. Seal
17. Elastic ring
18. Clutch assembly.
19. Pulley
20. Flexible coupling
21. Elastic ring
22. Shaft
23. Slewing ring
24. Guards
25. Spacer
26. Elastic ring

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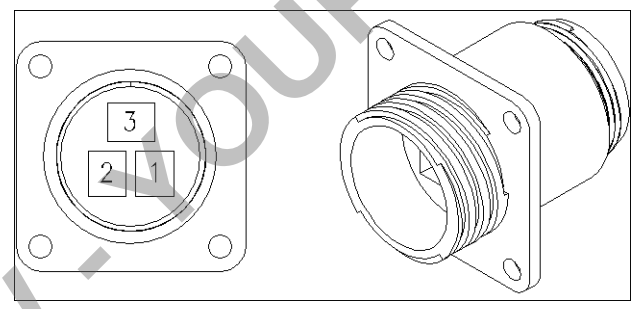

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# Wire connectors - Component Diagram 00

| | |
|---|---|
| Farmall® 105C with cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |
| Farmall® 105C less cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |
| Farmall® 115C with cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |
| Farmall® 115C less cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |
| Farmall® 75C with cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |
| Farmall® 75C less cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |
| Farmall® 85C with cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |
| Farmall® 85C less cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |
| Farmall® 95C with cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |
| Farmall® 95C less cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |

***CONNECTOR C002 - 30A socket***

| CONNECTOR C002 - 30A socket | | |
|---|---|---|
| **PIN NUMBER** | **WIRE NUMBER** | **CIRCUIT REFERENC+E** |
| 1 | 97 (L) | X-460ADIC CN2 X-300Trasmission / Main Harness Connection |
| 2 | 138 (M) | X-3144WD SW Lamp SP-022 |
| 3 | 131 (N) | SP-072 X-130Modulo Fuses F1-F32 |




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# 2028-Not calibrated, clutch B not calibrated

| | |
|---|---|
| Farmall® 105C with cab, with hi-lo transmission [ZxJV0xxxx] | |
| Farmall® 105C less cab, with hi-lo transmission [ZxJV0xxxx] | |
| Farmall® 115C with cab, with hi-lo transmission [ZxJV0xxxx] | |
| Farmall® 115C with cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |
| Farmall® 115C less cab, with hi-lo transmission [ZxJV0xxxx] | |
| Farmall® 115C less cab, with mechanical or power shuttle transmission [ZxJV0xxxx] | |
| Farmall® 75C with cab, with hi-lo transmission [ZxJV0xxxx] | |
| Farmall® 75C less cab, with hi-lo transmission [ZxJV0xxxx] | |
| Farmall® 85C with cab, with hi-lo transmission [ZxJV0xxxx] | |
| Farmall® 85C less cab, with hi-lo transmission [ZxJV0xxxx] | |
| Farmall® 95C with cab, with hi-lo transmission [ZxJV0xxxx] | |
| Farmall® 95C less cab, with hi-lo transmission [ZxJV0xxxx] | |

## Control Module : CCU (Central Control Unit)

**Context:**
Effects:
Poor performance of the uncalibrated clutch.

**Possible failure modes:**

1. Transmission not calibrated
2. Clutch B solenoid valve fault
3. Hydraulic circuit fault
4. Mechanical failure

**Solution:**

1. Check whether the transmission has been calibrated.
   A. If the transmission has not been calibrated since replacing the control unit ( **CCU**), or since using H8, delete the **EEPROM** memory and run the transmission calibration procedure.
   B. If the transmission has been calibrated, download the correct level of the software and run the calibration procedure again. If the fault re--occurs again, continue to step **2**
2. Check for other error codes being displayed.
   A. If other error codes are displayed, continue with these tests.
   B. If no other error code is displayed, continue to step **3**
3. Check the solenoid valve of the broken clutch.
   A. Remove the solenoid, clean or replace as required.
   B. If the error code is still displayed, continue to step **4**
4. Check the clutch pack pressures.
   A. If the pressures indicated are approximately **16 bar** (**232.00 psi**), possible mechanical fault within the transmission. If the pressures of all the clutches are low, continue to hydraulic troubleshooting procedures.
   B. If the pressures indicated are not approximately **16 bar** (**232.00 psi**) on one or more of the clutches. there may be an internal leak in the transmission.

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