SERVICE MANUAL

FASTRAC (AGRICULTURAL TRACTOR)
8290, 8330

EN - 9813/5000 - ISSUE 2 - 08/2016

This manual contains original instructions, verified by the manufacturer (or their authorized representative).

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Foreword

The Operator's Manual

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You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator's Manual. You must understand and follow the instructions in the Operator's Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

Do not operate the machine without an Operator's Manual, or if there is anything on the machine you do not understand.

Treat the Operator's Manual as part of the machine. Keep it clean and in good condition. Replace the Operator's Manual immediately if it is lost, damaged or becomes unreadable.

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Remove and Install

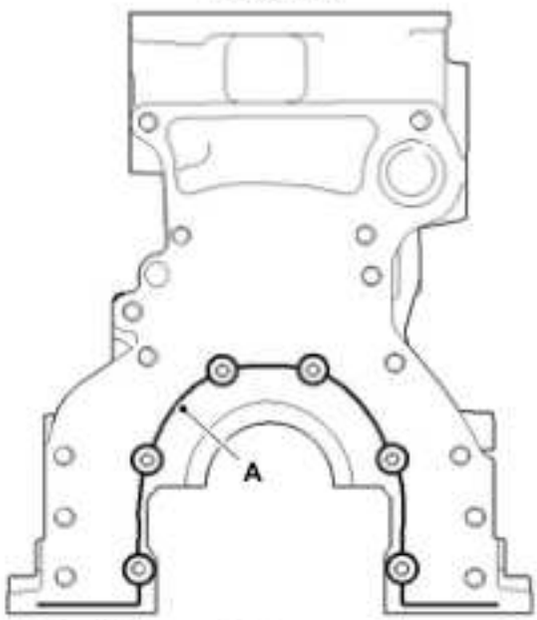
Remove

1. This procedure requires service parts. Make sure that you have obtained the correct service parts before you start.
2. Remove the flywheel. Refer to (PIL 15-54).
3. Remove the bolts from the flywheel housing.
4. Separate the flywheel housing from the gear case.

Install

1. Clean the sealing surfaces between the crankcase and the flywheel housing.
2. Apply silicone sealant to the flywheel housing. Refer to Figure 181.

Figure 181.



A Silicon sealant

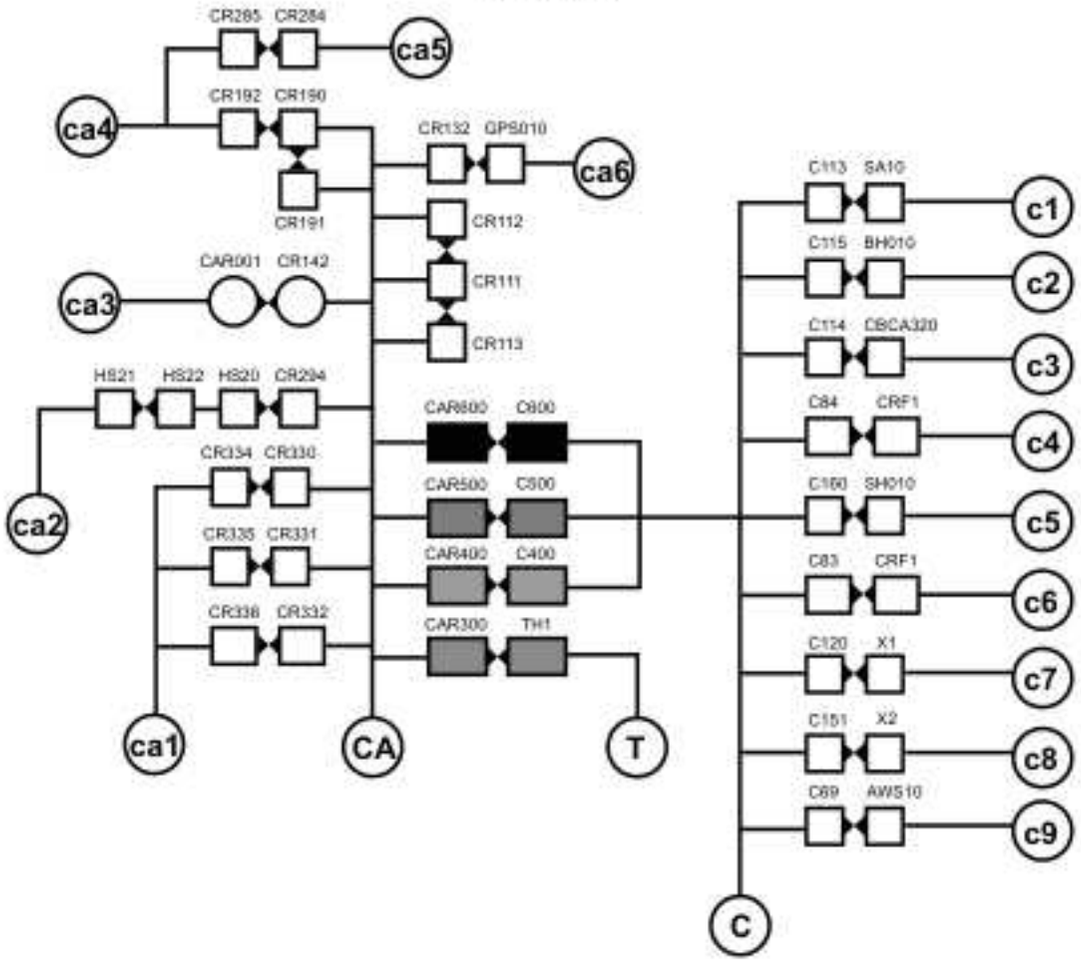
3. Keep the flywheel housing in place.
4. Install the bolts.
5. Centre the housing with ARCO centering tool number 9052 46400.
   5.1. This is important for engines with a turbine clutch.
6. Install the tension pins with a suitable drift.
7. Apply thread sealant to the bolts that are in contact with oil or water.
8. Tighten the bolts to the specified torque value.
   8.1. For inner ring socket head bolts
   Torque: 80N·m
   8.2. For outer ring hexagonal bolts
   Torque: 150N·m

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Diagram

The illustration shows a representation of the interconnections of the main machine harnesses. Refer to Figure 761.

Figure 761.



C	Chassis harness
c2	Engine cover harness
c4	RH rear fender harness
c6	LH rear fender harness
c8	Engine harness
CA	Operator station harness
ca2	Winter climate harness (Optional)
ca4	American lighting harness (For USA machines only)
ca6	GPS (Global Positioning System) fast steer harness
c1	Trailer park brake harness
c3	ABS (Anti-lock Braking System) harness
c5	Suspension harness
c7	Engine harness
c9	AWS (All Wheel Steer) harness
ca1	Operator station roof harness
ca3	Armrest harness
ca5	American roof lighting harness (For USA machines only)
T	Transmission harness

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Subsection	Commercial name	Product Number	Colour	Shelf life	Drying Time	Comments
Direct glazing	Sika activator	4104/2100	Clear	365d	10min minimum drying time	HIGHLY FLAMMABLE. A cleaning and activating agent specifically formulated for the treatment of bonded faces in direct glazing applications prior to applying the direct glazing adhesive.
Direct glazing	Sika remover 208 (use 4104/3600)	4104/1900	Transparent	-	-	A cleaning agent for removing contaminates on painted surfaces and glass.
Direct glazing	Sika cleaner 205 (use 4104/3600)	4104/1200	Clear	-	-	A cleaning agent for removing contaminates on painted surfaces and glass.
Direct glazing	Sika primer 209 (use 4104/3500)	4104/2300	Black	270d	Application temperature 10–35°C (50.0–95.0°F)	Used to prime painted surfaces and plastic substrates prior to bonding with Sikaflex products.
Direct glazing	Sika aktivator	4104/2400	Clear	365d	10min at more than 15°C (59.0°F) or 30min at less than 15°C (59.0°F)	Used to clean and give improved adhesion on glass, ceramic-coated glass, the cut face of old polyurethane adhesive beads, polyurethane coated windows glass and paints.
Active wipe for surface	Terostat 8560 AC-25	4104/3400	Colourless	270d	Minimum 30s and maximum 1h	Applied with a clean cloth to the surface, the adhesive may then be applied after the drying time. Applied to glass or ceramic coating but only in the bonding area.
Direct glazing	Terostat 8519 P	4102/3500	Black	0.1L bottle = 365d. 0.01L and 0.035L bottle = 540d	Approx. 2min	Used to promote adhesion in direct glazing to glass and glass ceramics.
Cleaner	Teroson FL cleaner	4104/3600	Clear	730d	Depending on conditions between 2–10min.	Used for degreasing and cleaning of substrates prior to application of adhesives and sealants.

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4. Select and open the "Setup.exe" application.
5. A new window "JCB Servicemaster Setup" will appear on the screen.
   5.1. Click the "Install V10.0.3" option to start the setup application. Refer to Figure 907.

Figure 907.



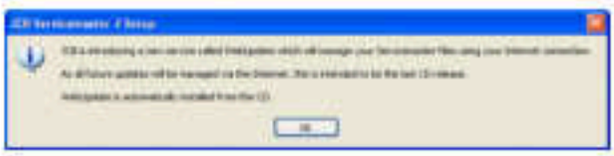
6. A new window "Select Setup Language" will appear on the screen. Refer to Figure 908.
   6.1. Use the drop down option to select the suitable language.
   6.2. Click the "OK" option to confirm selected language.

Figure 908.



7. A warning message window will appear on the screen. Refer to Figure 909.
   7.1. Click the "OK" option.

Figure 909.



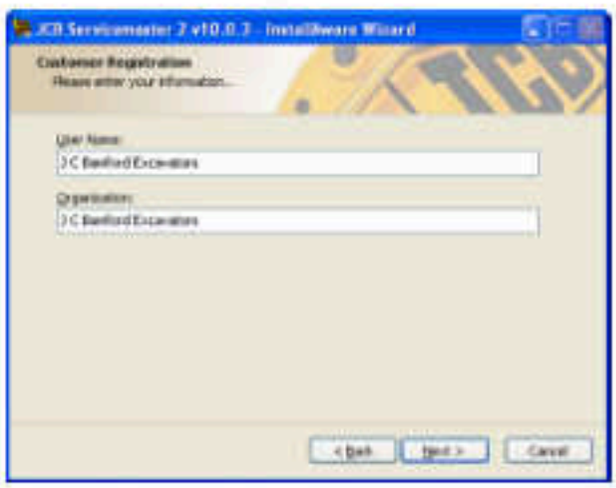
8. A new window "JCB Servicemaster Installation Wizard" will appear on the screen. Refer to Figure 910.
   8.1. Click the "Next" option to proceed.

Figure 910.



9. Put "User Name" and "Organization" details into the "Customer Registration" screen. Refer to Figure 911.
   9.1. Click the "Next" option when you inserted details.

Figure 911.



10. Select all the "Setup Type" screen options for the complete installation. Refer to Figure 912.

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(For: Double Acting)

Figure 612.



A Accumulator - front suspension cylinders (rod side)

B Suspension cylinder - front RH side

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