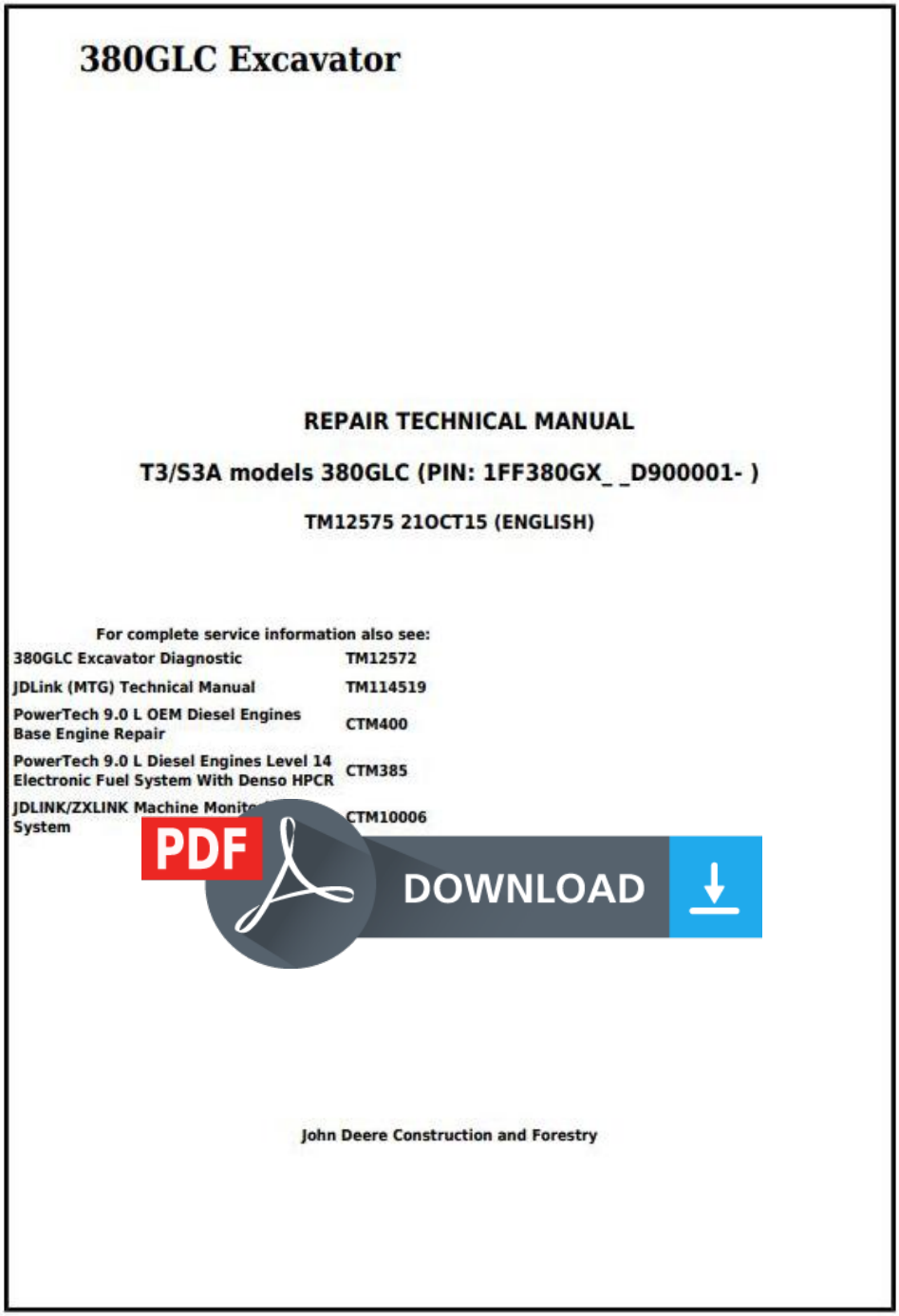
John Deere 380GLC (PIN:1FF380GX__D900001) T3/S3A Excavator Service Repair Technical Manual (TM12575)



Covers: 380GLC,1FF380GX__D900001-)

Type: Service Manual
Language: English
Pages: 618
Format: PDF
Features: Bookmarked, searchable, printable
Compatibility: Windows/Mac/Tablet/Mobile
This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere 380GLC (PIN:1FF380GX_D900001) T3/S3A Excavator Service Repair Technical Manual (TM12575)**

In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

Contents:
- General Information
- Specifications
- Serial Number Location
- Engine Specifications
- Engine Diagnostics
- Engine Tests and Adjustments
- Engine Repair
- Power Train
- Transmission
- Axles
- Differential
- PTO
- Hydraulic System
- Electrical System
- Electrical Tests and Diagnostics
- Wiring Diagram / Schematic
- Ignition and Charging
- Steering
- Brakes
- Wheels
- Operator's Platform
- Body Panels
- Disassembly and Assembly
- Diagnostics, Tests and Adjustments
- Troubleshooting
- and much more...

Please note this manual is in **downloadable PDF format only.** If you have any questions about this product or would like to request sample pages, please contact us and reference the product name or SKU.

(10) Manufacturing Year Code: Identifies year of machine manufacture.

_.....	***Manufacturing Year Code*** (variable)
E.....	2014
F.....	2015
G.....	2016

(11) Engine Emission Code: Represents engine emission certification.

_.....	***Engine Emission Code***
C.....	Tier 2 and Stage II
D.....	Tier 3 and Stage III A
E.....	Interim Tier 4 and Stage III B
F.....	Final Tier 4 and Stage IV

(12—17) Machine Serial Number: Identifies machine serial number. This character will change from one machine to another.

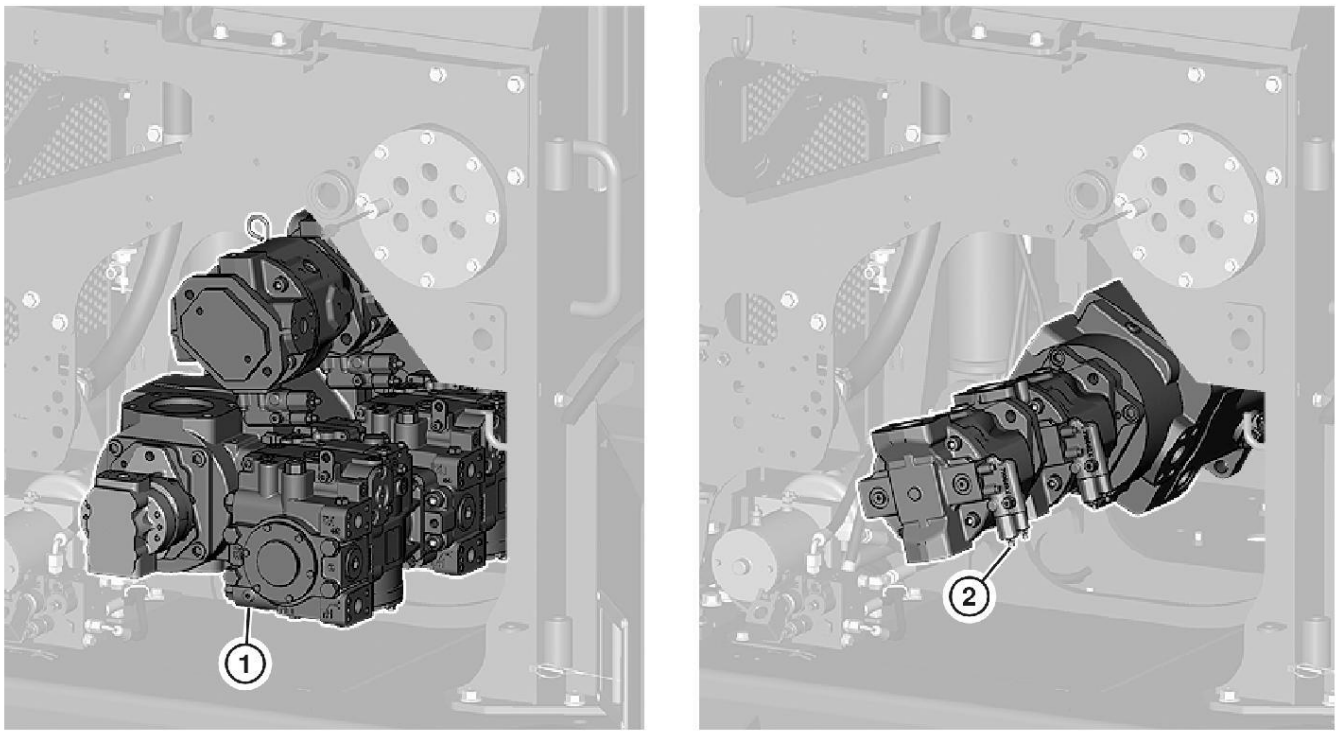
270423.....	***Machine Serial Number***

Track Drive System Identification

Separate technical manuals are available for tracked feller bunchers based on track drive system configuration. The two track drive system configurations are:

Open-Loop Hydraulic Drive
Closed-Loop Hydrostatic Drive

To identify which option the machine is equipped with, open the right front maintenance door and view the pump mounting configuration. If pumps are mounted in a triangle configuration, system is the closed-loop hydrostatic drive. If pumps are mounted in-line, system is the open-loop hydraulic drive.



TX1176332

TX1176332-UN: Track Drive Identification

LEGEND:

1-Closed-Loop Hydrostatic Drive **2-Open-Loop Hydraulic Drive**

CM68549,00D06B9-19-20141103

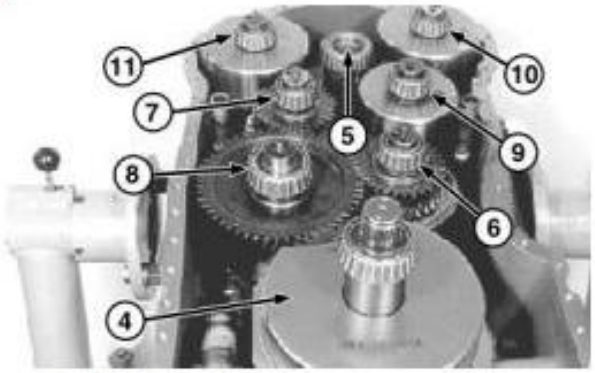
CAUTION:

Prevent possible injury from crushing. Heavy component; use appropriate lifting device.

Housing Cover/Gear Case Separation

Using an appropriate lifting device, separate housing cover carefully from gear case housing and remove.

[7] -



LEGEND:

4	Output Shaft (AB)
5	Input Shaft (AN)
6	First Speed Clutch (K1)
7	Second Speed Clutch (K2)
8	Third Speed Clutch (K3)
9	Forth Speed Forward Clutch (K4)
10	Reverse Clutch (KR)
11	Forward Clutch (KV)

Single Clutch Proper Positions

The figure on the right shows the proper position of the single clutches as well as of the input shaft (5) and output shaft (4).

[8] -

→NOTE:

When removing clutches, remove output shaft first.

Clutch Removal

Loosen socket head cap screws from covers and remove output shaft with covers.

[9] -

Remove Front Axle And Differential

[1] - Engage park brake.

[2] - Install frame locking bar.

[3] - Raise machine. Install floor stands under engine frame.

12-1/2 or 20-Ton Floor Stands

To support unit while removing axle and differential.

[4] - Remove wheels. (See Group 0110.)

[5] -

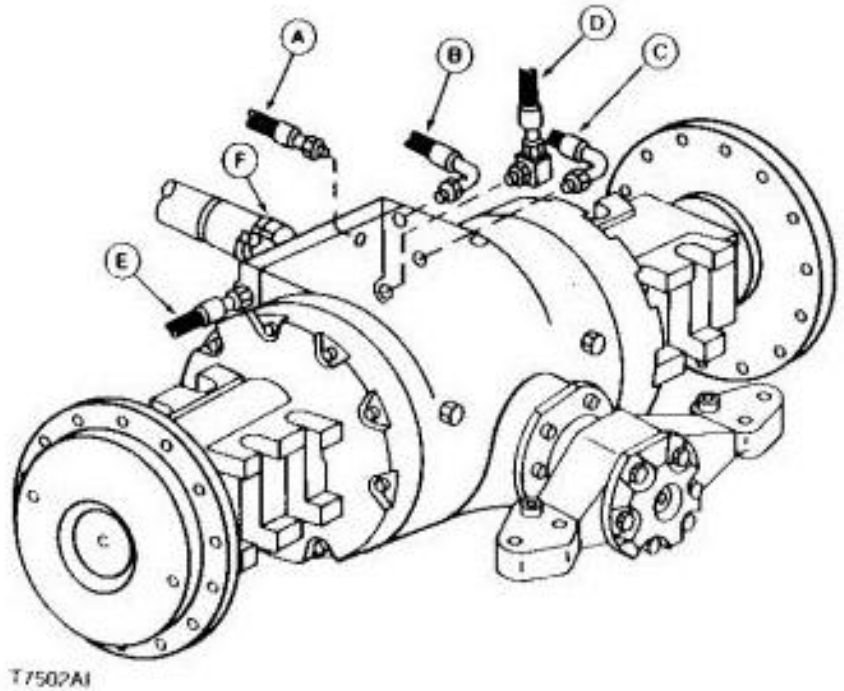
Differential Drain Plug

Remove differential drain plug (A) and drain oil into a container. Dispose of used oil properly.

Item	Measurement	Specification
Front Differential-540E, 548E, 640E, 648E	Capacity	19 L (5.0 gal)
Front Differential-740E, 748E	Capacity	28.4 L (7.5 gal)

[6] - Remove engine frame front and rear bottom guard.

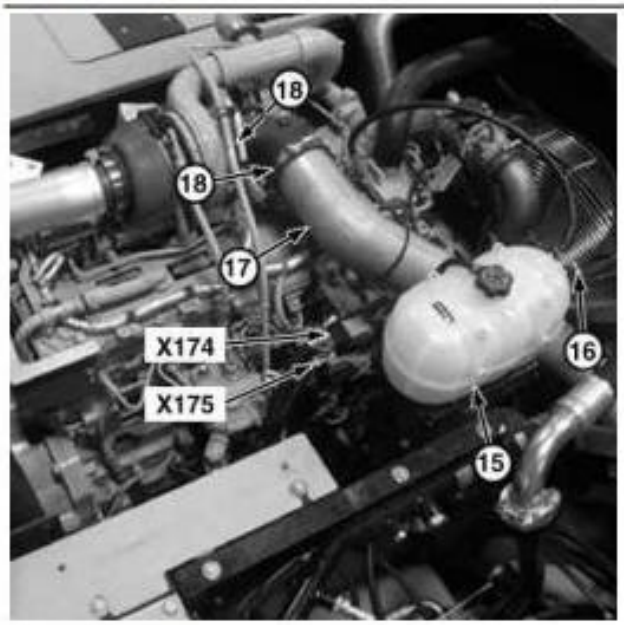
[7] -



T7502AI

Differential Drive Shaft

LEGEND:



LEGEND:

15	Surge Tank
16	Surge Tank Hose (3 used)
17	Air Filter-to-Engine Tube
18	Clamp (2 used)
X174	Engine Interface Harness-to-Engine Harness Connector
X175	Engine Interface Harness-to-Engine Harness Connector

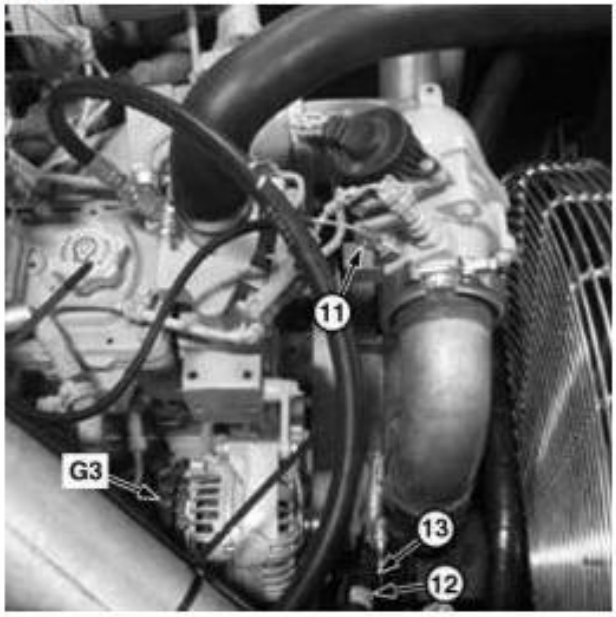
Engine (right side)

Remove coolant surge tank (15). See Coolant Surge Tank Remove and Install . (Group 0510.)

[13] - Loosen clamps (18) and remove air filter-to-engine tube (17). Close all openings using caps and plugs.

[14] - Install identification tags and disconnect engine interface harness-to-engine harness connectors (X174 and X175). See Engine Harness (W4) Component Location . (Group 9015-10.) See Engine Interface Harness (W5) Component Location . (Group 9015-10.)

[15] -



LEGEND:

11	Ether Injection Tube
12	Engine-to-Heater Core Hose
13	Clamp
G3	Alternator

Alternator

Remove ether injection tube (11). Close all openings using caps and plugs.

[16] - Remove engine-to-heater core hose (12). Close all openings using caps and plugs.