

# John Deere 755K Crawler Loader Repair Technical Manual - TM14326X19

## 755K Crawler Loader Repair

(PIN: 1T0755KX\_\_F339207—)



JOHN HARE



COLLECTION

### REPAIR TECHNICAL MANUAL

755K Crawler Loader (PIN: 1T0755KX\_\_F339207—)

TM14326X19 30NOV19 (ENGLISH)

For complete service information also see:

755K Crawler Loader Diagnostic..... TM14324X19  
PowerTech 6069 OEM Diesel Engines (Final Tier 4/Stage IV platform) Level 33 ECU..... ctm120019  
Hydraulic Cylinders..... ctm120519



Worldwide Construction and Forestry Division

Covers: 755K,1T0755KX\_\_,\_F339207 ( )

**Type:** Service Manual

**Language:** English

**Pages:** 418

**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 755K Crawler Loader Repair Technical Manual - TM14326X19**

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.

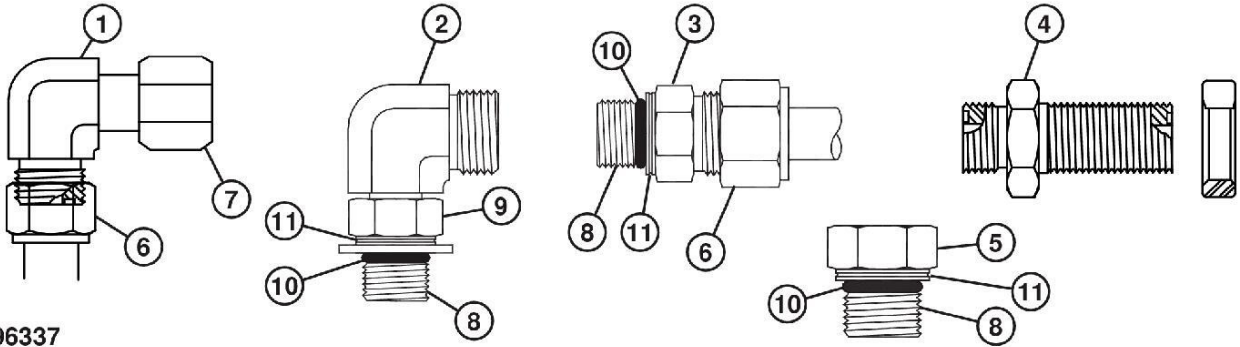
**Contents:**

- General Information
- Specifications
- Serial Number Location
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- Engine Diagnostics
- Engine Tests and Adjustments
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- 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.

# O-Ring Face Seal Fittings With Metric Hex Nut And Stud End For High Pressure Service Recommendations

O-RING FACE SEAL FITTINGS WITH METRIC HEX NUT AND STUD END FOR HIGH PRESSURE, ABOVE 27 600 kPa (275.8 bar) (4,000 psi), TORQUE VALUES—Tolerance is +15 -20% unless otherwise specified



T196337

1-90° Swivel Elbow  
2-90° Adjustable Stud Elbow  
3-Stub Straight  
4-Bulkhead Union and Nut

T196337-UN: O-Ring Face Seal Fittings  
LEGEND:  
5-External Hex Stud End Plug  
6-Tube Nut  
7-Swivel Nut  
8-Stud End

9-Hex Nut  
10-O-Ring  
11-Identification Groove

Nominal Tube OD or Hose ID			O-Ring Face Seal Hose or Tube Swivel Nut			Bulkhead Nut	
Metric Tube OD	Inch Tube OD or Hose ID		Thread Size	Hex Size	Torque	Hex Size	Torque
mm	Dash Size	mm (in.)	in.	mm	Nm (lb-ft)	mm	Nm (lb-ft)
4	-2	3.18 (0.125)	—	—	—	—	—
5	-3	4.78 (0.188)	—	—	—	—	—
6	-4	6.35 (0.250)	9/16-18	17	24 (18)	22	32 (24)
8	-5	7.92 (0.312)	—	—	—	—	—
10	-6	9.53 (0.375)	11/16-16	22	37 (27)	27	42 (31)
12	-8	12.70 (0.500)	13/16-16	24	75 (55)	30	93 (69)
16	-10	15.88 (0.625)	1-14	30	103 (76)	36	118 (87)
20	-12	19.05 (0.750)	1-3/16-12	36	152 (112)	41	175 (129)
22	-14	22.23 (0.875)	1-3/16-12	36	152 (112)	41	175 (129)
25	-16	25.40 (1.000)	1-7/16-12	41	214 (158)	46	247 (182)
28	—	—	—	—	—	—	—
32	-20	31.75 (1.250)	1-11/16-12	—	286 (211)	50	328 (242)
38	-24	38.10 (1.500)	2-12	—	326 (240)	60	374 (276)

O-RING STRAIGHT, ADJUSTABLE, AND EXTERNAL HEX PLUG WITH METRIC STUD END FOR HIGH PRESSURE, ABOVE 27 600 KPA (275.8 BAR) (4,000 PSI), TORQUE VALUES—Tolerance is +15 -20% unless otherwise specified


Thread Size <sup>a</sup>	Straight Hex Size <sup>b</sup>	Adjustable Nut Hex Size	Steel or Gray Iron Torque
mm.	mm	mm	Nm (lb-ft)
M8 x 1	12	12	8 (6)
M10 x 1	14	14	15 (11)
M12 x 1.5	17	17	35 (26)
M14 x 1.5	19	19	45 (33)
M16 x 1.5	22	22	55 (41)
M18 x 1.5	24	24	70 (52)
M22 x 1.5	27	27	100 (74)
M27 x 2	32	32	170 (125)
M30 x 2	36	36	215 (159)
M33 x 2	41	41	260 (192)
M38 x 2	46	46	320 (236)
M42 x 2	50	50	360 (266)

## Track Chain Remove and Install

SPECIFICATIONS	
Track and Split Master Link Shoe Cap Screw Initial Torque	270 N m 199 lb ft
Track and Split Master Link Shoe Cap Screw 50—100 Hour Check—Minimum Torque	597 N m 440 lb ft


SERVICE EQUIPMENT AND TOOLS
D01182AA 20-Ton Floor Stand

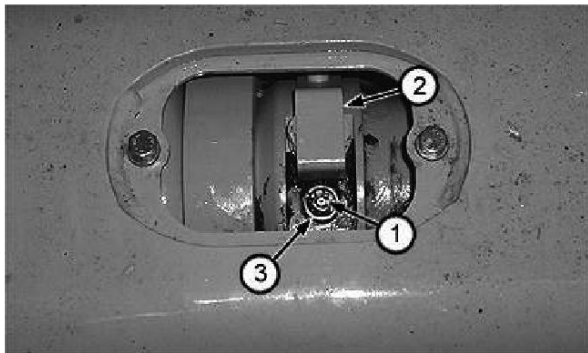
OTHER MATERIAL
TY24811 U.S. John Deere™ NEVER-SEEZ® Compound Lubricant

- 
**CAUTION:**  
 Prevent possible injury from unexpected track movement. Raise machine off the ground and support with 20-ton floor stands. Tracks must be free to rotate in either direction.

Raise machine off the ground and support with D01182AA 20-Ton Floor Stands.

- Lower equipment to ground.

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**CAUTION:**  
 Escaping fluid under pressure can penetrate the skin causing serious injury. Do not remove grease fitting to increase track sag. Do not tamper with relief valve. It is fitted with a cover. Slowly loosen check valve to release grease from track tension adjuster.



T206819C-UN: Track Adjuster Check Valve

**LEGEND:**

- 1-Grease Fitting**
- 2-Relief Valve**
- 3-Check Valve**

Slowly turn check valve (3) counterclockwise one turn to release track tension. Put a piece of pipe between sprocket and track chain and rotate track to retract adjusting cylinder if required. See Check and Adjust Track Sag - document OMT382339X19 - (Operator's Manual.)

- Rotate track until master split link is positioned in front of idler.



- TX1089346A-UN: Master Track Shoe

**LEGEND:**

- 4-Track Bolt (4 used)**
- 5-Master Track Shoe**

To prevent track from falling, block track as shown.

- Remove track bolt (4) and master track shoe (5).
- Disassemble master split link.
- Slowly drive unit in reverse direction to move track off drive sprocket.

**IMPORTANT:**

- Prevent accelerated wear to track chain. Track chain MUST be installed under track frame with wide end of links toward rear of machine.**

Install track chain under track frame with the wide end of links toward rear of machine.

- Block track shoes so master split link is positioned directly over idler.



Thank you very much  
for your reading.  
Please click here  
to get more information.