

[TM109719 - John Deere 1023E & 1026R Worldwide Compact Utility Tractors Technical Manual](#)



Illustrated Factory Technical Manual for John Deere Compact Utility Tractors 1023E & 1026R Compact Utility (Worldwide)

This manual contains high quality images, circuit diagrams, instructions to help you to maintenance, troubleshooting, diagnostic, and repair your truck. This document is printable, without restrictions, contains searchable text, bookmarks, crosslinks for easy navigation.

Language: English
Format: PDF, 947 pages

Covered models (worldwide):
1023E
1026R

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John Deere Commercial and Consumer Equipment Lawn and Garden

**1023E & 1026R Compact Utility
Tractors Worldwide**

TECHNICAL MANUAL

**Covered models: 1023E, 1026R (SN:
010001-209999, 010001-214999,
210000-, 215000-310000,
210000-309999)**

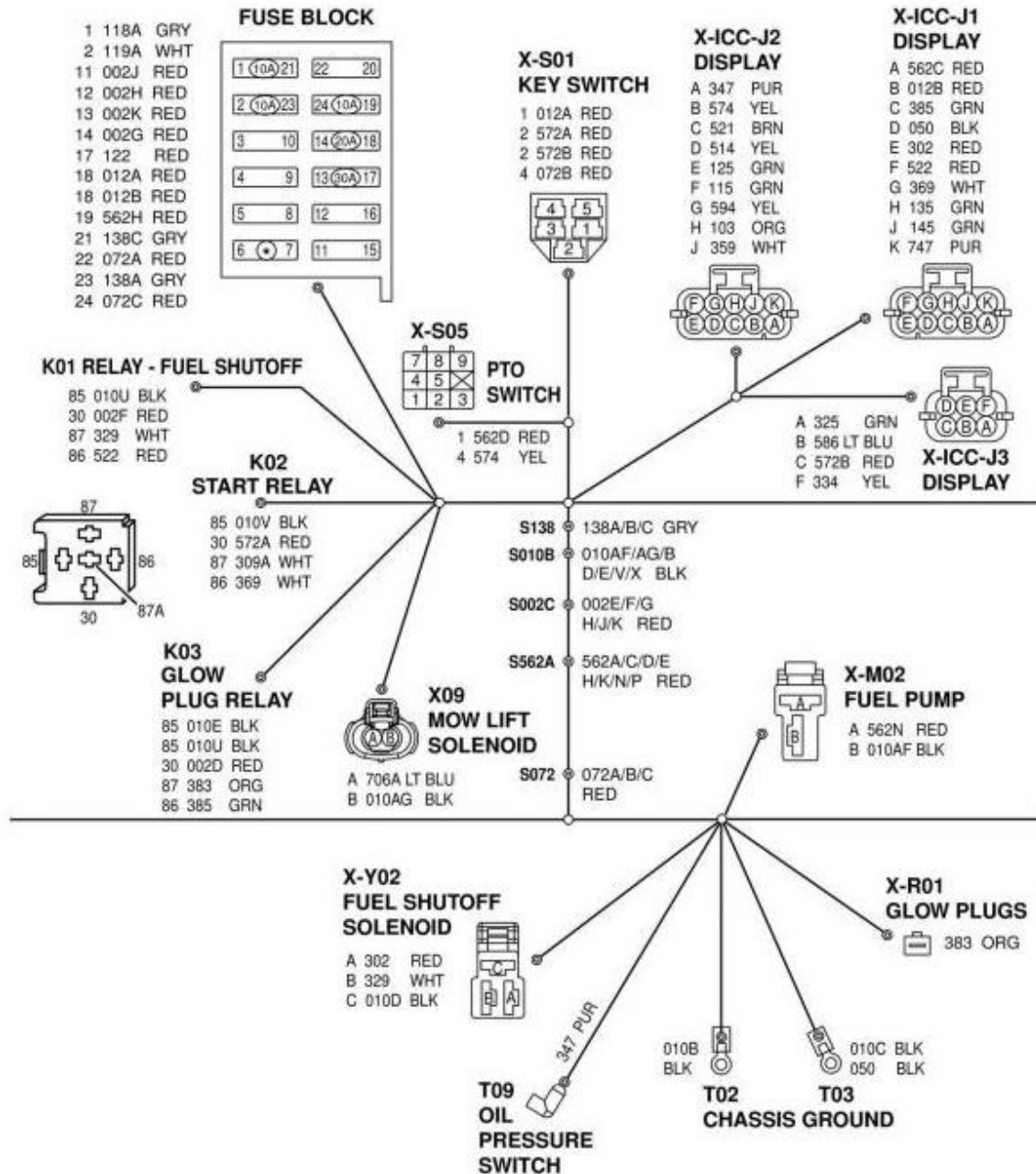
TM109719, July 2012



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Wiring Harness (1 of 3) (S.N. -209999)

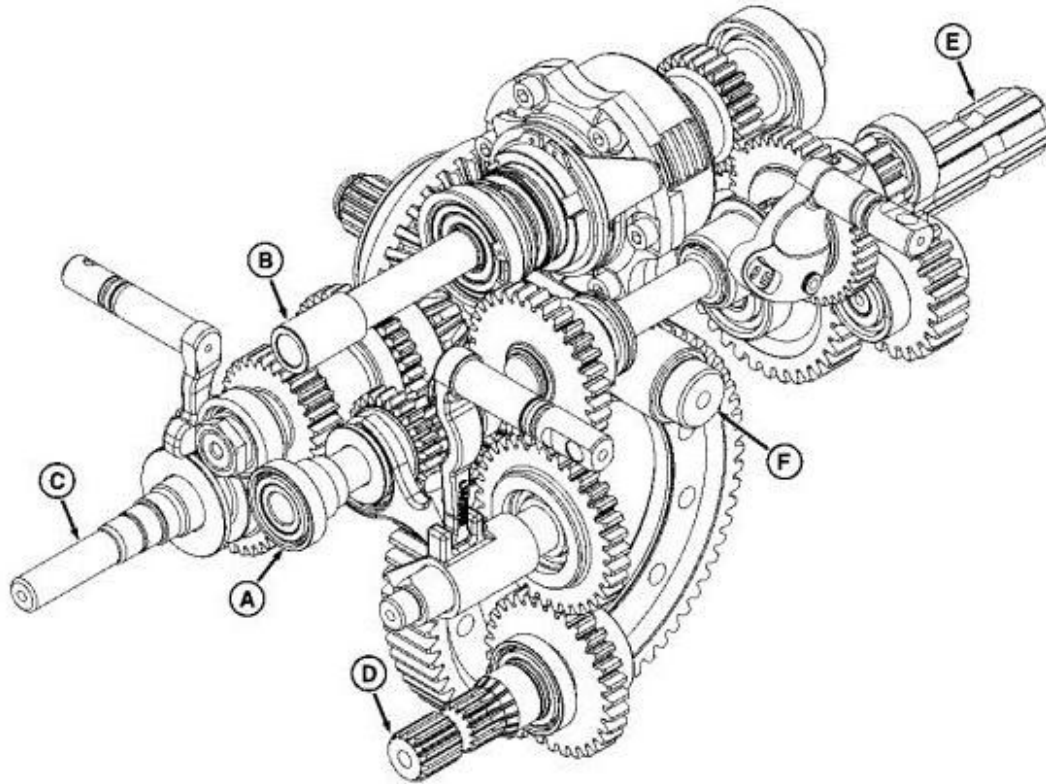
Wiring Harness (2 of 3) (S.N. -209999)



1023E - SHT 2

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Gear Train Operation



Gear Train

LEGEND:

A	Input Shaft
B	PTO Input Shaft
C	MFWD Shaft
D	Front PTO Shaft
E	Rear PTO
F	Pinion Shaft

Inputs

There are two drive inputs from the hydraulic transmission to the gear transmission; the variable (forward and reverse swash plate) input to the gear drive input shaft (A), and the relatively constant (engine rpm) input to the PTO input shaft (B).

The gear input shaft is splined to the range sliding gear which can be shifted and engage the high range gear, not engage a gear (neutral), or engage the low range gear. See [Range Gear Operation](#).

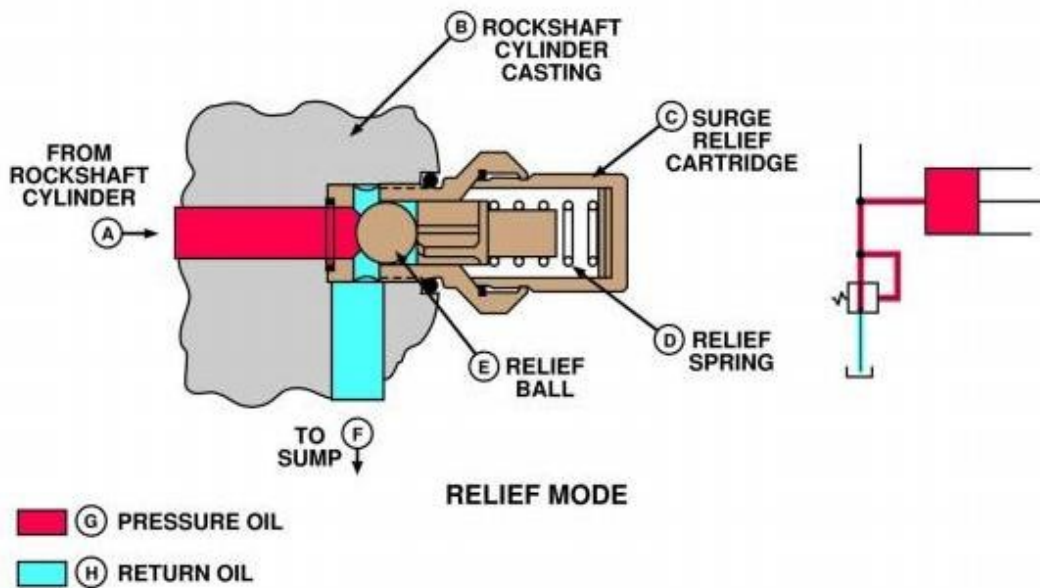
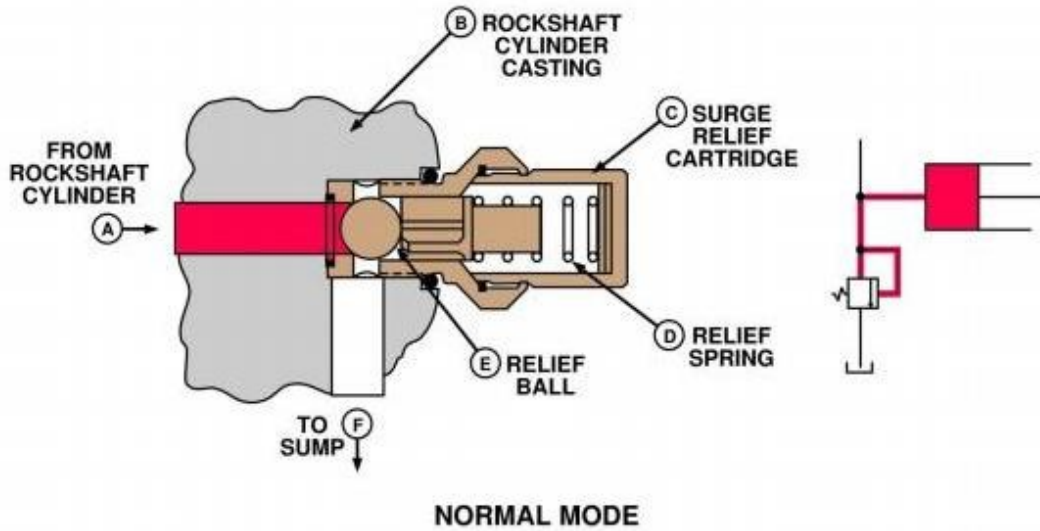
The PTO input shaft drives the PTO gears when the PTO clutch is engaged driving the PTO clutch drum and the PTO selection gear. See [PTO Operation](#).

Outputs

There are four outputs; the MFWD shaft (C) to the front axle, the front PTO shaft (D), the rear PTO (E), and the final drive pinion shaft (F) which drive the differential and rear wheels.

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Surge Relief Valve Operation



SURGE RELIEF VALVE OPERATION

LVC6456

Surge Relief Valve Operation

LEGEND:

- A From Rockshaft Cylinder
- B Rockshaft Cylinder Casting
- C Surge Relief Valve Cartridge

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