

**1021G  
1121G  
Stage IV  
Wheel Loader**

**SERVICE MANUAL**

Part number 51428221  
English  
November 2017  
© 2017 CNH Industrial Italia S.p.A. All Rights Reserved.

**CASE**  
CONSTRUCTION



## **SERVICE MANUAL**

**1021G WHEEL LOADER XR-EH, NEW CAB TIER4B  
1021G WHEEL LOADER ZBAR-EH, NEW CAB TIER4B  
1121G WHEEL LOADER XR-EH, NEW CAB TIER4B  
1121G WHEEL LOADER ZBAR-EH, NEW CAB TIER4B**

## Link Product / Engine

---

<b>Product</b>	<b>Market Product</b>	<b>Engine</b>
1021G WHEEL LOADER ZBAR-EH, NEW CAB TIER4B	Europe	F2CFE614H*B005
1021G WHEEL LOADER XR-EH, NEW CAB TIER4B	Europe	F2CFE614H*B005

# Contents

---

## INTRODUCTION

<b>Engine</b> .....	<b>10</b>
[10.001] Engine and crankcase .....	10.1
[10.216] Fuel tanks .....	10.2
[10.202] Air cleaners and lines .....	10.3
[10.500] Selective Catalytic Reduction (SCR) exhaust treatment.....	10.4
[10.400] Engine cooling system .....	10.5
[10.414] Fan and drive .....	10.6
[10.310] Aftercooler.....	10.7
[10.304] Engine lubrication system.....	10.8
<b>Transmission</b> .....	<b>21</b>
[21.113] Powershift transmission .....	21.1
[21.135] Powershift transmission external controls.....	21.2
[21.105] Powershift transmission hydraulic components.....	21.3
[21.155] Powershift transmission internal components.....	21.4
<b>Four-Wheel Drive (4WD) system</b> .....	<b>23</b>
[23.314] Drive shaft.....	23.1
<b>Front axle system</b> .....	<b>25</b>
[25.100] Powered front axle .....	25.1
[25.102] Front bevel gear set and differential .....	25.2
[25.108] Final drive hub, steering knuckles, and shafts .....	25.3
<b>Rear axle system</b> .....	<b>27</b>
[27.100] Powered rear axle.....	27.1
[27.106] Rear bevel gear set and differential.....	27.2
[27.120] Planetary and final drives .....	27.3
<b>Brakes and controls</b> .....	<b>33</b>

[33.202] Hydraulic service brakes .....	33.1
[33.110] Parking brake or parking lock .....	33.2
<b>Hydraulic systems.....</b>	<b>35</b>
[35.000] Hydraulic systems.....	35.1
[35.300] Reservoir, cooler, and filters.....	35.2
[35.106] Variable displacement pump .....	35.3
[35.359] Main control valve.....	35.4
[35.357] Pilot system .....	35.5
[35.204] Remote control valves .....	35.6
[35.752] Hydraulic fan drive cooling system.....	35.7
[35.701] Front loader arm hydraulic system.....	35.8
[35.723] Front loader bucket hydraulic system.....	35.9
[35.733] Axle lubrication and cooling circuit .....	35.10
<b>Frames and ballasting .....</b>	<b>39</b>
[39.100] Frame .....	39.1
<b>Steering.....</b>	<b>41</b>
[41.200] Hydraulic control components.....	41.1
[41.216] Cylinders .....	41.2
[41.910] Auxiliary steering .....	41.3
<b>Wheels .....</b>	<b>44</b>
[44.511] Front wheels.....	44.1
[44.520] Rear wheels.....	44.2
<b>Cab climate control .....</b>	<b>50</b>
[50.200] Air conditioning .....	50.1
<b>Electrical systems .....</b>	<b>55</b>
[55.100] Harnesses and connectors.....	55.1
[55.201] Engine starting system .....	55.2

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$