

**Steiger<sup>®</sup> 370 / 420 / 470 / 500 / 540 / 580 / 620**  
**Quadtrac<sup>®</sup> 470 / 500 / 540 / 580 / 620**  
**Stage IV**  
**Tractor**

*PIN JEEZ00000FF314001 and above*

**SERVICE MANUAL**

Part number 48193200

1<sup>st</sup> edition English

November 2017

© 2017 CNH Industrial America LLC. All Rights Reserved.

**CASE IH**  
AGRICULTURE



## SERVICE MANUAL

**Steiger® 370 CVT, TIER 4B [JEEZ00000FF314001 - ], Steiger® 370 Powershift, TIER 4B [JEEZ00000FF314001 - ], Steiger® 420 CVT, TIER 4B [JEEZ00000FF314001 - ], Steiger® 420 Powershift, TIER 4B [JEEZ00000FF314001 - ], Steiger® 470 CVT, TIER 4B [JEEZ00000FF314001 - ], Steiger® 470 CVT, scraper, TIER 4B [JEEZ00000FF314001 - ], Steiger® 470 Powershift, TIER 4B [JEEZ00000FF314001 - ], Steiger® 470 Powershift, scraper, TIER 4B [JEEZ00000FF314001 - ], Steiger® 470 Quadtrac® CVT, TIER 4B [JEEZ00000FF314001 - ], Steiger® 470 Quadtrac® Powershift, TIER 4B [JEEZ00000FF314001 - ], Steiger® 500 CVT, TIER 4B [JEEZ00000FF314001 - ], Steiger® 500 Powershift, TIER 4B [JEEZ00000FF314001 - ], Steiger® 500 Powershift, scraper, TIER 4B [JEEZ00000FF314001 - ], Steiger® 500 Quadtrac® CVT, TIER 4B [JEEZ00000FF314001 - ], Steiger® 500 Quadtrac® Powershift, TIER 4B [JEEZ00000FF314001 - ], Steiger® 500 Quadtrac® Powershift, scraper, TIER 4B [JEEZ00000FF314001 - ], Steiger® 540 CVT, TIER 4B [JEEZ00000FF314001 - ], Steiger® 540 CVT, scraper, TIER 4B [JEEZ00000FF314001 - ], Steiger® 540 Powershift, TIER 4B [JEEZ00000FF314001 - ], Steiger® 540 Powershift, scraper, TIER 4B [JEEZ00000FF314001 - ], Steiger® 540 Quadtrac® CVT, TIER 4B [JEEZ00000FF314001 - ], Steiger® 540 Quadtrac® Powershift, TIER 4B [JEEZ00000FF314001 - ], Steiger® 540 Quadtrac® Powershift, scraper, TIER 4B [JEEZ00000FF314001 - ], Steiger® 580 Powershift, TIER 4B [JEEZ00000FF314001 - ], Steiger® 580 Powershift, scraper, TIER 4B [JEEZ00000FF314001 - ], Steiger® 580 Quadtrac® Powershift, TIER 4B [JEEZ00000FF314001 - ], Steiger® 580 Quadtrac® Powershift, scraper, TIER 4B [JEEZ00000FF314001 - ], Steiger® 620 Powershift, TIER 4B [JEEZ00000FF314001 - ], Steiger® 620 Powershift, scraper, TIER 4B [JEEZ00000FF314001 - ], Steiger® 620 Quadtrac® Powershift, TIER 4B [JEEZ00000FF314001 - ]**

# Contents

---

## INTRODUCTION

Engine.....	10
[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
Power coupling.....	19
[19.100] Drive shaft.....	19.1
[19.110] Flywheel damper .....	19.2
Transmission.....	21
[21.113] Powershift transmission .....	21.1
[21.135] Powershift transmission external controls.....	21.2
[21.155] Powershift transmission internal components.....	21.3
[21.504] Continuously Variable Transmission (CVT) .....	21.4
[21.505] Continuously Variable Transmission (CVT) external controls.....	21.5
[21.506] Continuously Variable Transmission (CVT) hydraulic components .....	21.6
[21.507] Continuously Variable Transmission (CVT) internal components.....	21.7
Front axle system .....	25
[25.100] Powered front axle .....	25.1
[25.102] Front bevel gear set and differential .....	25.2
[25.310] Final drives .....	25.3
Rear axle system.....	27
[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>Power Take-Off (PTO) .....</b>	<b>31</b>
[31.104] Rear electro-hydraulic control .....	31.1
[31.110] One-speed rear Power Take-Off (PTO) .....	31.2
[31.220] Gearbox .....	31.3
<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
[35.102] Pump control valves.....	35.4
[35.105] Charge pump.....	35.5
[35.304] Combination pump units .....	35.6
[35.204] Remote control valves .....	35.7
[35.600] High flow hydraulics.....	35.8
<b>Hitches, drawbars, and implement couplings.....</b>	<b>37</b>
[37.100] Drawbars and towing hitches .....	37.1
<b>Frames and ballasting .....</b>	<b>39</b>
[39.100] Frame .....	39.1
<b>Steering.....</b>	<b>41</b>
[41.101] Steering control .....	41.1
[41.200] Hydraulic control components.....	41.2
[41.206] Pump .....	41.3
[41.910] Auxiliary steering .....	41.4
<b>Wheels .....</b>	<b>44</b>

[44.511] Front wheels.....	44.1
[44.520] Rear wheels.....	44.2
<b>Tracks and track suspension .....</b>	<b>48</b>
[48.130] Track frame and driving wheels.....	48.1
[48.100] Tracks.....	48.2
[48.134] Track tension units.....	48.3
[48.138] Track rollers.....	48.4
<b>Cab climate control .....</b>	<b>50</b>
[50.104] Ventilation.....	50.1
[50.200] Air conditioning.....	50.2
[50.300] Cab pressurizing system.....	50.3
<b>Electrical systems.....</b>	<b>55</b>
[55.000] Electrical system.....	55.1
[55.100] Harnesses and connectors.....	55.2
[55.640] Electronic modules.....	55.3
[55.201] Engine starting system.....	55.4
[55.301] Alternator.....	55.5
[55.302] Battery.....	55.6
[55.010] Fuel injection system.....	55.7
[55.014] Engine intake and exhaust system.....	55.8
[55.988] Selective Catalytic Reduction (SCR) electrical system.....	55.9
[55.640] Electronic modules.....	55.10
[55.024] Transmission control system.....	55.11
[55.045] Front axle control system.....	55.12
[55.046] Rear axle control system.....	55.13
[55.522] Cab Power Take-Off (PTO) controls.....	55.14
[55.048] Rear Power Take-Off (PTO) control system.....	55.15
[55.035] Remote control valve electric control.....	55.16

[55.051] Cab Heating, Ventilation, and Air-Conditioning (HVAC) controls.....	55.17
[55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system.....	55.18
[55.130] Rear three-point hitch electronic control system .....	55.19
[55.DTC] FAULT CODES.....	55.20
<b>Platform, cab, bodywork, and decals.....</b>	<b>90</b>
[90.150] Cab.....	90.1
[90.151] Cab interior.....	90.2
[90.124] Pneumatically-adjusted operator seat.....	90.3
[90.100] Engine hood and panels .....	90.4
[90.102] Engine shields, hood latches, and trims .....	90.5

Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)