

SERVICE MANUAL

L316 / L318 / L320
Tier 4B (final) / Stage IV
300 Series Skid Steer Loader
PIN NJM453496 and after

Part number 90442773

English
October 2020





SERVICE MANUAL

L316 STAGE IV [NJM453496 -], L316 TIER 4B (FINAL) [NJM453496 -], L316 TIER 4B (FINAL) [NJM453496 -], L318 STAGE IV [NJM453496 -], L318 TIER 4B (FINAL) [NJM453496 -], L318 TIER 4B (FINAL) [NJM453496 -], L320 STAGE IV [NJM453496 -], L320 TIER 4B (FINAL) [NJM453496 -], L320 TIER 4B (FINAL) [NJM453496 -]

Link Product / Engine

Product	Market Product	Engine
L316 TIER 4B (FINAL) [NJM453496 -]	Australia New Zealand	N844LT-F-45SL
L316 TIER 4B (FINAL) [NJM453496 -]	North America	N844LT-F-45SL
L316 STAGE IV [NJM453496 -]	Europe	N844LT-F-45SL
L316 TIER 4B (FINAL) [NJM453496 -]	Middle East Africa	N844LT-F-45SL
L316 TIER 4B (FINAL) [NJM453496 -]	Asia Pacific	N844LT-F-45SL
L318 TIER 4B (FINAL) [NJM453496 -]	Australia New Zealand	N4LDI-TA-45SL
L318 TIER 4B (FINAL) [NJM453496 -]	North America	N4LDI-TA-45SL
L318 TIER 4B (FINAL) [NJM453496 -]	Middle East Africa	N4LDI-TA-45SL
L318 TIER 4B (FINAL) [NJM453496 -]	Asia Pacific	N4LDI-TA-45SL
L318 STAGE IV [NJM453496 -]	Europe	N4LDI-TA-45SL
L320 TIER 4B (FINAL) [NJM453496 -]	North America	N4LDI-TA-50SL
L320 TIER 4B (FINAL) [NJM453496 -]	Australia New Zealand	N4LDI-TA-50SL
L320 TIER 4B (FINAL) [NJM453496 -]	Middle East Africa	N4LDI-TA-50SL
L320 TIER 4B (FINAL) [NJM453496 -]	Asia Pacific	N4LDI-TA-50SL
L320 STAGE IV [NJM453496 -]	Europe	N4LDI-TA-50SL

Contents

INTRODUCTION

Engine.....	10
[10.001] Engine and crankcase	10.1
[10.501] Exhaust Gas Recirculation (EGR) exhaust treatment.....	10.2
[10.400] Engine cooling system	10.3
[10.414] Fan and drive	10.4
Power coupling.....	19
[19.121] Pump-drive assembly	19.1
Front axle system	25
[25.450] Chain drive system.....	25.1
Rear axle system.....	27
[27.650] Chain drive system.....	27.1
Hydrostatic drive.....	29
[29.200] Mechanical control	29.1
[29.218] Pump and motor components.....	29.2
[29.202] Hydrostatic transmission	29.3
Brakes and controls	33
[33.110] Parking brake or parking lock	33.1
Hydraulic systems.....	35
[35.000] Hydraulic systems.....	35.1
[35.300] Reservoir, cooler, and filters.....	35.2
[35.104] Fixed displacement pump.....	35.3
[35.359] Main control valve.....	35.4
[35.525] Auxiliary hydraulic valves and lines	35.5
[35.600] High flow hydraulics.....	35.6
[35.724] Front loader hydraulic system control.....	35.7

[35.701] Front loader arm hydraulic system	35.8
[35.723] Front loader bucket hydraulic system	35.9
[35.734] Tool quick coupler hydraulic system	35.10
Frames and ballasting	39
[39.140] Ballasts and supports	39.1
Wheels	44
[44.511] Front wheels	44.1
[44.520] Rear wheels	44.2
Cab climate control	50
[50.100] Heating	50.1
[50.200] Air conditioning	50.2
Electrical systems	55
[55.000] Electrical system	55.1
[55.100] Harnesses and connectors	55.2
[55.015] Engine control system	55.3
[55.201] Engine starting system	55.4
[55.301] Alternator	55.5
[55.302] Battery	55.6
[55.011] Fuel tank system	55.7
[55.010] Fuel injection system	55.8
[55.014] Engine intake and exhaust system	55.9
[55.989] Exhaust Gas Recirculation (EGR) electrical system	55.10
[55.012] Engine cooling system	55.11
[55.640] Electronic modules	55.12
[55.019] Hydrostatic drive control system	55.13
[55.031] Parking brake electrical system	55.14
[55.512] Cab controls	55.15
[55.036] Hydraulic system control	55.16

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

<https://shop servicemanual.com/>

Service Manuals from 2\$