

**SRI 30**  
**Tier 3**  
Alpha Series Skid Steer Loader  
*PIN NEM464869 and above*

**SRI 60**  
**Tier 4B (final)**  
Alpha Series Skid Steer Loader  
*PIN NDM477801 and above*

## SERVICE MANUAL

Part number 47711585

1<sup>st</sup> edition English

May 2014

Copyright © 2014 CNH Industrial America LLC. All Rights Reserved.

**CASE**  
CONSTRUCTION



## **SERVICE MANUAL**

**SR130 TIER 3 [NEM464869 - ]**  
**SR160 TIER 4 [NDM477801 - ]**

# Link Product / Engine

---

| <b>Product</b>              | <b>Market Product</b> | <b>Engine</b> |
|-----------------------------|-----------------------|---------------|
| SR130 TIER 3 [NEM464869 - ] | Europe                | N844L         |
| SR160 TIER 4 [NDM477801 - ] | Europe                | N844LT-F-45SL |

# Contents

---

## INTRODUCTION

|  |           |
|--|-----------|
| <b>Engine</b> .....  | <b>10</b> |
| [10.001] Engine and crankcase .....  | 10.1      |
| [10.220] Throttle linkage.....   | 10.2      |
| [10.400] Engine cooling system .....   | 10.3      |
| [10.414] Fan and drive .....   | 10.4      |
| [10.501] Exhaust Gas Recirculation (EGR) - Diesel Particulate Filter (DPF) exhaust treatment ..... | 10.5      |
| <b>Front axle system</b> .....   | <b>25</b> |
| [25.450] Chain drive system.....   | 25.1      |
| <b>Rear axle system</b> .....  | <b>27</b> |
| [27.650] Chain drive system .....  | 27.1      |
| <b>Hydrostatic drive</b> .....   | <b>29</b> |
| [29.202] Hydrostatic transmission .....  | 29.1      |
| [29.200] Mechanical control .....  | 29.2      |
| [29.218] Pump and motor components.....  | 29.3      |
| <b>Brakes and controls</b> .....   | <b>33</b> |
| [33.110] Parking brake or parking lock .....   | 33.1      |
| <b>Hydraulic systems</b> .....   | <b>35</b> |
| [35.000] Hydraulic systems.....  | 35.1      |
| [35.104] Fixed displacement pump.....  | 35.2      |
| [35.128] Auxiliary hydraulic function control .....  | 35.3      |
| [35.300] Reservoir, cooler, and filters.....   | 35.4      |
| [35.350] Safety and main relief valves .....   | 35.5      |
| [35.359] Main control valve .....  | 35.6      |
| [35.701] Front loader arm hydraulic system .....   | 35.7      |

|  |           |
|--|-----------|
| [35.723] Front loader bucket hydraulic system .....                            | 35.8      |
| [35.724] Front loader hydraulic system control .....                           | 35.9      |
| [35.734] Tool quick coupler hydraulic system .....                             | 35.10     |
| <b>Frames and ballasting .....</b>   | <b>39</b> |
| [39.140] Ballasts and supports .....   | 39.1      |
| <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> |
| [50.100] Heating.....  | 50.1      |
| [50.200] Air conditioning .....  | 50.2      |
| <b>Electrical systems .....</b>  | <b>55</b> |
| [55.000] Electrical system .....   | 55.1      |
| [55.010] Fuel injection system.....  | 55.2      |
| [55.011] Fuel tank system .....  | 55.3      |
| [55.012] Engine cooling system .....   | 55.4      |
| [55.014] Engine intake and exhaust system.....                                 | 55.5      |
| [55.015] Engine control system.....  | 55.6      |
| [55.019] Hydrostatic drive control system .....                                | 55.7      |
| [55.031] Parking brake electrical system .....                                 | 55.8      |
| [55.036] Hydraulic system control .....  | 55.9      |
| [55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system..... | 55.10     |
| [55.100] Harnesses and connectors.....   | 55.11     |
| [55.201] Engine starting system .....  | 55.12     |
| [55.302] Battery.....  | 55.13     |
| [55.404] External lighting .....   | 55.14     |
| [55.408] Warning indicators, alarms, and instruments .....                     | 55.15     |
| [55.415] Loader arm and bucket control system .....                            | 55.16     |

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

<https://shopservicemanual.com/>

Service Manuals from 2\$