

**836C**  
**836C AWD**  
**856C**  
**856C AWD**  
**Stage IV**  
Motor Grader

**SERVICE MANUAL**

Part number 47829048B

English

June 2016

© 2016 CNH Industrial Italia S.p.A. All Rights Reserved.

**CASE**  
CONSTRUCTION



## **SERVICE MANUAL**

**836C AWD  
836C  
856C AWD  
856C**

# Link Product / Engine

---

<b>Product</b>	<b>Market Product</b>	<b>Engine</b>
836C	Europe	F4HFE6133*B003
836C AWD	Europe	F4HFE6133*B003
856C	Europe	F4HFE613Y*B003
856C AWD	Europe	F4HFE613Y*B003

# Contents

---

## INTRODUCTION

<b>Engine</b> .....	<b>10</b>
[10.001] Engine and crankcase .....	10.1
[10.500] Selective Catalytic Reduction (SCR) exhaust treatment.....	10.2
[10.501] Exhaust Gas Recirculation (EGR) exhaust treatment.....	10.3
[10.400] Engine cooling system .....	10.4
[10.304] Engine lubrication system.....	10.5
<b>Transmission</b> .....	<b>21</b>
[21.113] Powershift transmission .....	21.1
[21.135] Powershift transmission external controls.....	21.2
[21.105] Powershift transmission lubrication system .....	21.3
[21.155] Powershift transmission internal components.....	21.4
[21.700] Torque converter .....	21.5
<b>Front axle system</b> .....	<b>25</b>
[25.100] Powered front axle .....	25.1
[25.108] Final drive hub, steering knuckles, and shafts .....	25.2
<b>Rear axle system</b> .....	<b>27</b>
[27.106] Rear bevel gear set and differential .....	27.1
[27.120] Planetary and final drives .....	27.2
[27.600] Tandem axle.....	27.3
[27.650] Chain drive system.....	27.4
<b>Hydrostatic drive</b> .....	<b>29</b>
[29.204] Reservoir, cooler, and lines .....	29.1
[29.218] Pump and motor components.....	29.2
<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
[35.104] Fixed displacement pump.....	35.3
[35.102] Pump control valves.....	35.4
[35.105] Charge pump.....	35.5
[35.204] Remote control valves .....	35.6
[35.354] Hydraulic central joint .....	35.7
[35.739] Swing arm hydraulic system .....	35.8
[35.741] Dozer blade cylinders .....	35.9
[35.742] Ripper hydraulic system.....	35.10
[35.310] Distributor and lines .....	35.11
<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
[41.206] Pump .....	41.2
[41.216] Cylinders .....	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>
[50.100] Heating.....	50.1
<b>Electrical systems .....</b>	<b>55</b>
[55.000] Electrical system .....	55.1
[55.100] Harnesses and connectors.....	55.2

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

<https://shopservicemanual.com/>

Service Manuals from 2\$