DV209D
DV210D
Tier 4B (final)
Double Drum Compactor

DV209D - PIN DDDD209DNGNTX2002 and above;
DV210D - PIN DDDD210DNGNTP2003 and above

SERVICE MANUAL

Part number 48032926
1st edition English
August 2016

CASE CONSTRUCTION

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Contents

INTRODUCTION

Engine 10

[10.001] Engine and crankcase 10.1

[10.216] Fuel tanks 10.2

[10.400] Engine cooling system 10.3

[10.500] Selective Catalytic Reduction (SCR) exhaust treatment 10.4

Hydraulic systems 35

[35.000] Hydraulic systems 35.1

[35.300] Reservoir, cooler, and filters 35.2

[35.353] Hydraulic travel system 35.3

[35.752] Hydraulic fan drive cooling system 35.4

[35.995] Compaction/vibration hydraulic system 35.5

Frames and ballasting 39

[39.100] Frame 39.1

[39.500] Vibratory roller 39.2

Steering 41

[41.101] Steering control 41.1

[41.200] Hydraulic control components 41.2

[41.206] Pump 41.3

[41.216] Cylinders 41.4

Wheels 44

[44.160] Compaction drums 44.1

Cab climate control 50

[50.100] Heating 50.1

Electrical systems 55

[55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system 55.1

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[55.100] Harnesses and connectors 55.2
[55.301] Alternator 55.3
[55.302] Battery 55.4
[55.408] Warning indicators, alarms, and instruments 55.5
[55.512] Cab controls 55.6
Platform, cab, bodywork, and decals 90
[90.151] Cab interior 90.1
[90.150] Cab 90.2

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General specification - DV209D and DV209D HF

DV209D

Weight	DV209D	DV209D HF
Operating weight of CECE with cab, ROPS	**9560 kg (21080 lb)**	
Operating load of CECE with cab, ROPS on front axis	**4770 kg (10520 lb)**	
Operating load of CECE with cab, ROPS on rear axis	**4790 kg (10560 lb)**	
Weight of half fluid capacities	**510 kg (1120 lb)**	
Operating weight of ISO 6016 with cab, ROPS	**9650 kg (21270 lb)**	
Max. weight – cab + ROPS (6016) + accessories + weighing	**11000 kg (24250 lb)**	
Maximum permitted weight according to ROPS	**13000 kg (28660 lb)**	
Static linear load of front drum	**28.4 kg**/cm – **159 lb**/in	
Static linear load of rear drum	**28.5 kg**/cm – **159.6 lb**/in	
Cab weight	**440 kg (970 lb)**	
Weight of Ammann edge cutter	**150 kg (330 lb)**	
Weight of two-sided edge cutter	**300 kg (660 lb)**	
Weight of Ammann spreader	**630 kg (1390 lb)**	

Driving characteristics	DV209D	DV209D HF
Maximum transport speed	**10 km/h (6.5 mph)**	
Climbing ability without vibration	30%	
Climbing ability with vibration	25%	
Lateral stability during driving with vibration	15%	
Turning radius inner (edge)	**5470 mm (215.4 in)**	
Turning radius outer (contour)	**7450 mm (293.3 in)**	
Type of drive	Hydrostatic	
Number of driving axles	2	
Oscillation angle	±6°	
Angle of steering	±31°	

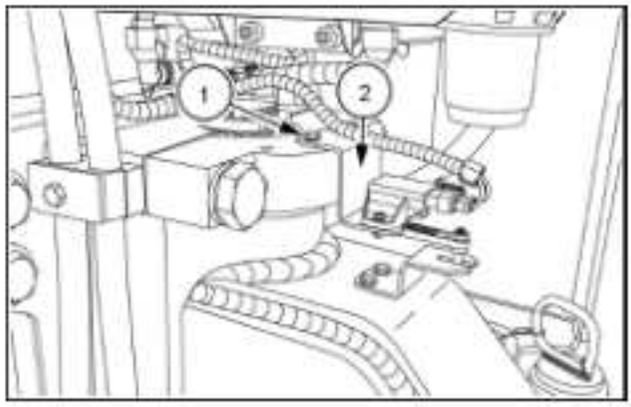
Steering	DV209D	DV209D HF
Type of steering	Joint	
Steering control	Hydraulic	
Linear hydraulic motors	1 + 1 (Crab)	

Engine	DV209D	DV209D HF
Manufacturer	Deutz	
Type	TCD3.6 L4	
Power according to ISO 14396	**74.4 kW (100 Hp)**	
Number of cylinders	4	
Cylinder capacity	**3621 cm³ (221 in³)**	
Nominal speed	**2200 RPM**	
Maximum torque	**410 N·m** at **1600 RPM**	
Average fuel consumption	**10.2 L/hour (2.7 US gal/hour)**	
Engines complies with emission regulations	EU Stage IV, U.S. EPA Tier 4 final	
Cooling system of engine	Liquid	

Brakes	DV209	DV209 HF
Operating	Hydrostatic	
Parking	Mechanical multiple-disc	
Emergency	Mechanical multiple-disc	

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10. Install the bracket **(2)** with the bolts **(1)** removed earlier.
11. Install the crab cylinder (refer to **Cylinders - Install - Crab cylinder (41.216)**).
12. Install the steering cylinder (refer to **Cylinders - Install - Steering cylinder (41.216)**).
13. Install the Diesel Exhaust Fluid (DEF) tank (refer to **Diesel Exhaust Fluid (DEF)/AdBlue® tank - Install (10.500)**).
14. Install the water tank (refer to **Compaction - sprinkling/sprayer system - Install - Water tank (39.500)**).
15. Start the machine and check for serviceability and leaks.



12

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Wire connectors - Component diagram 30 - Connectors 300 through 309

DV209D DV210D	

X-P300 - [M-9] (Plug)

Pin	From	Wire	Description	Color-Size	Frame
1	X-P336 (Plug) pin 1	042-CA	CAB HARNESS	BR - 0.75	SHEET 19
1	X-P1096 (Plug) pin 1	042-PF	PLATFORM HARNESS	BR - 0.75	

X-P301 - [M-8] (Plug)

Pin	From	Wire	Description	Color-Size	Frame
1	X-P303 (Plug) pin 1	044-CA	044-CA	WH - 0.75	SHEET 19
1	X-P303 (Plug) pin 1	044-PF	044-PF	WH - 0.75	

X-P302 - [M-9] (Plug)

Pin	From	Wire	Description	Color-Size	Frame
1	X-P309 (Plug) pin 7	045-CA	045-CA	WH - 0.75	SHEET 19
1	X-P309 (Plug) pin 7	045-PF	045-PF	WH - 0.75	

X-P303 - [S-43] (Plug)

Pin	From	Wire	Description	Color-Size	Frame
1	X-P301 (Plug) pin 1	044-PF	044-PF	WH - 0.75	SHEET 19
1	X-P301 (Plug) pin 1	044-CA	044-CA	WH - 0.75	

X-P304 - [S-42] (Plug)

Pin	From	Wire	Description	Color-Size	Frame
7	X-43 (Plug) pin 1	048-PF	048-PF	WH - 1.0	SHEET 19
7	X-43 (Plug) pin 1	048-CA	048-CA	WH - 1.0	

X-P305 - [S-42] (Plug)

Pin	From	Wire	Description	Color-Size	Frame
5	X-43 (Plug) pin 2	047-PF	047-PF	WH - 1.0	SHEET 19
5	X-43 (Plug) pin 2	047-CA	047-CA	WH - 1.0	

X-P307 - [S-42] (Plug)

Pin	From	Wire	Description	Color-Size	Frame
1	X-43 (Plug) pin 4	046-PF	046-PF	WH - 1.0	SHEET 19
1	X-43 (Plug) pin 4	046-CA	046-CA	WH - 1.0	

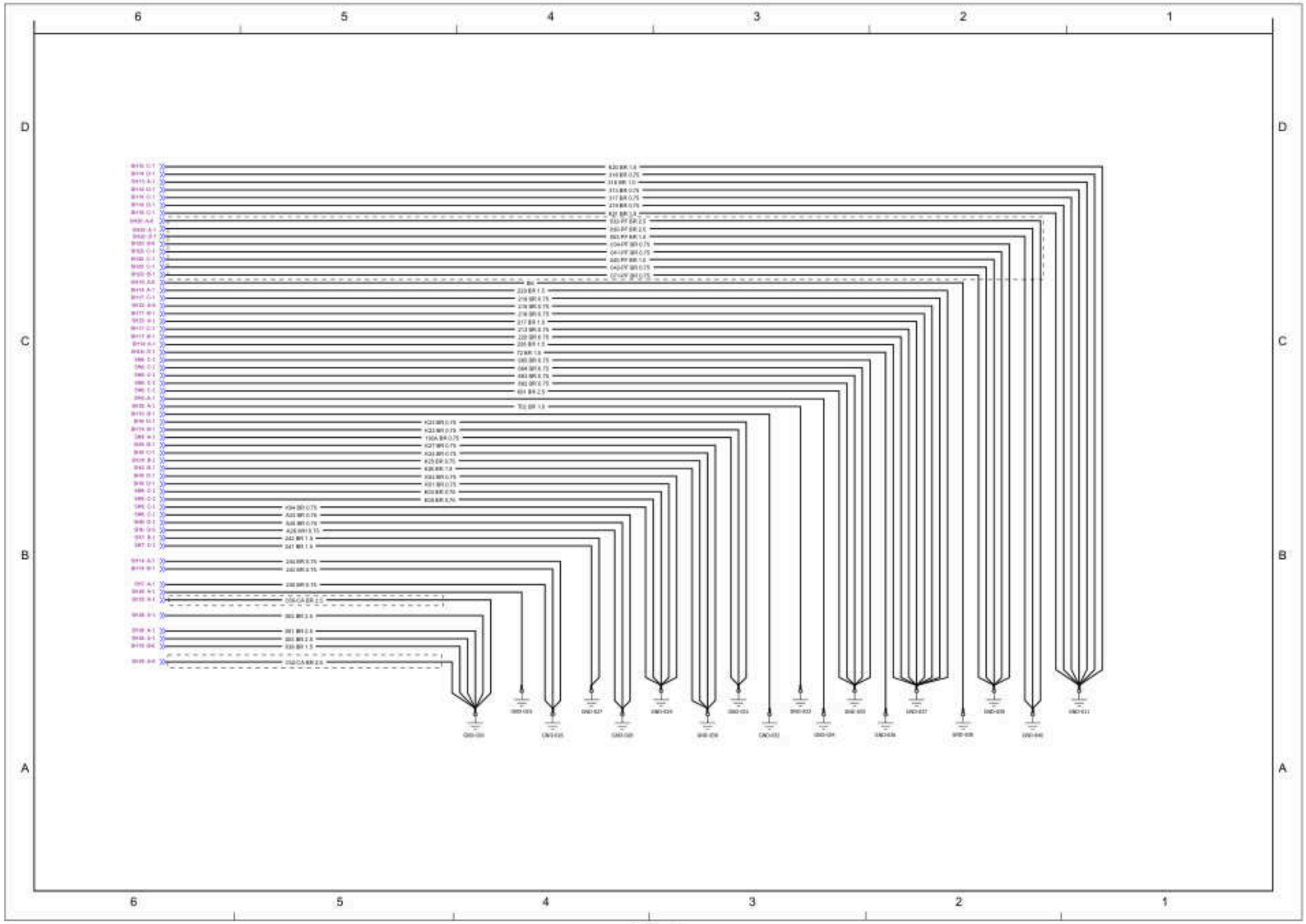
X-P308 - [S-42] (Plug)

Pin	From	Wire	Description	Color-Size	Frame
3	SP-X70-P-X	065-PF	name	WH - 1.0	SHEET 19

X-P309 - [S-43] (Plug)

Pin	From	Wire	Description	Color-Size	Frame
7	X-P302 (Plug) pin 1	045-PF	045-PF	WH - 0.75	SHEET 19
7	X-P302 (Plug) pin 1	045-CA	045-CA	WH - 0.75	

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