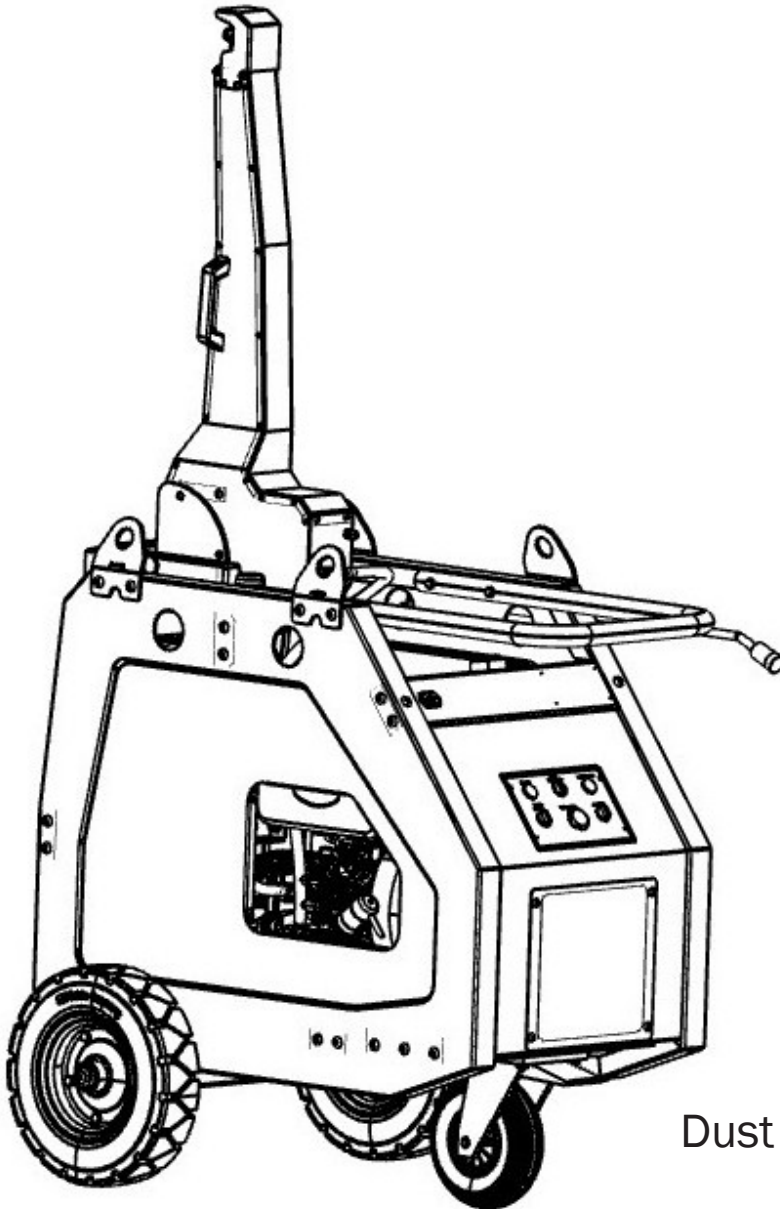




DUSTQUIP

JM35-D PARTS MANUAL



JetMister **JM35-D**
Dust Suppression Machine



JETMISTER

service@terracore-group.com



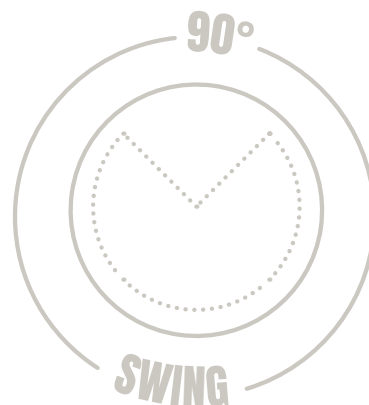
DUSTQUIP

07/25

Part No: PM-JM03 -V3

1

JM35 MOBILE



Manoeuvrability

Lifting eyes get the JetMister into difficult areas. Frame can be mounted to water bowser (JMSF) or heavy-duty puncture-proof wheels for site mobility (JM).

Jet nozzle

Push button positioning or auto 45° and 90° swinging nozzle.

Tilting mast

Heavy-duty mast with 0-30° tilt positioning for reaching high areas. Can also be put flat to transport easily.

Easy controls

Simple control operation to start/stop pump and move jet automatically from left to right. Emergency stop and warning signals.

Just add water!

A 1" quick release connector for a suction hose. Just connect bowser/supply and feed with potable water.

Electric, Diesel or Petrol Engine Powered

Quality Engine with electric start or 3 phase Electric Powered direct drive.

Mobility

Locking brake swivel wheel at the back to battle the uneven ground and heavy duty wheels at the front to stabilise.

Easy Remote

Control JetMisters from 100m away.



Quick scan
Operation video



Versatility

The JetMister has heavy-duty puncture-proof tyres and braked swivel wheel enabling it to be easily positioned on site.

Dust suppressed

High-pressure mist can be adjusted with engine speed and pressure regulator to perfect the right amount of mist for the job.

Water and space saving

The JetMister is designed to control dust issues with just the right amount of water to avoid unnecessary flooding and saving water. The collapsible mast allows easy transportation and storage, taking up minimal room.

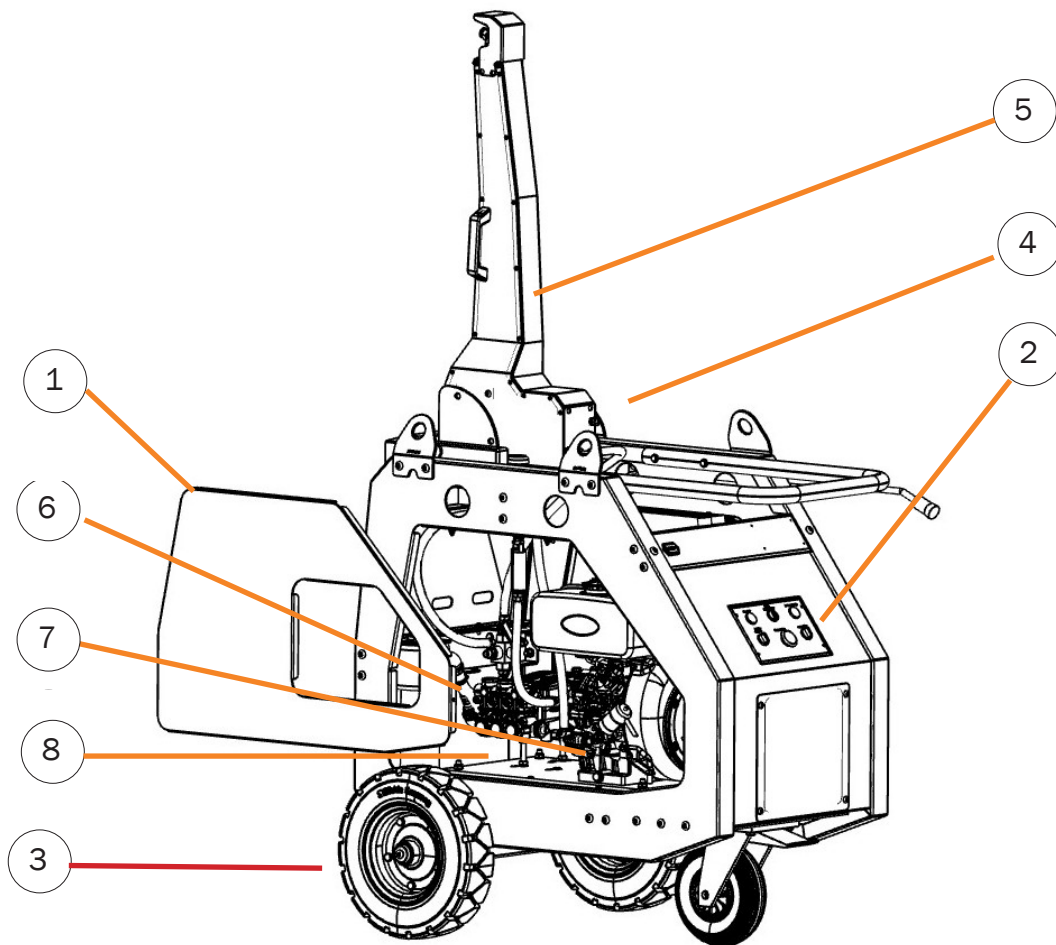
Safety

The JetMister can be positioned in danger zones where you don't want your workers. Replaces the need of operating fire hose or pressure washers for suppressing dust.

	JM35-D	JM35-P	JM35-E
Engine / Motor	Yamar L100	Vanguard 400 EFI	Electric
Electric Connection	N/A	N/A	6m Lead 32 Amp Plug
Fuel Type	Diesel (HVO)	Petrol	N/A
Fuel Tank Size - Ltr (USG)	5.4 (1.5)	5.9 (1.55)	N/A
Fuel Consumption Ltr/Hr (USG/Hr)	1 Ltr (0.25G)	2 Ltr (0.5G)	N/A
Emissions Standard	Stage V	Stage V	N/A
Power - Kw (HP)	6.8 (9)	10 (14)	7.5 (10)
Pressure - Bar (PSI)	60 (870)	60 (870)	60 (870)
Flow Rate - LPM (USGPM)	40 (10)	40 (10)	40 (10)
Number of Nozzles	1	1	1
Ave Mist water Droplet Size	200-250 µm	200-250 µm	200-250 µm
Dimensions (LxWxH) - mm (inch)	48" x 34" x 48-86"		
Weight - Kg (Lbs)	250kg / 550lbs	215kg / 473 lbs	250kg / 550lbs
Mist Distance (With Breeze) - M (Ft)	15-35m / 50-115 ft	15-35m / 50-115 ft	15-35m / 50-115 ft
Horizontal Oscillation	45° & 90°	45° & 90°	45° & 90°
Vertical Tilt	0° - 45°	0° - 45°	0° - 45°
Generator Power Required - Kva	No	No	Yes 16 Kva
Standard Mist Hose Length - M (Ft)	60m (195 Ft) at 1m (3Ft) Nozzle space 120m (290 Ft) @ 2m (6Ft) Nozzle space		
Max Water Feed Pressure - Bar (PSI)	3 Bar (43)		
Warranty Period	12 Months		
Crane Lift Facility	Yes	Yes	Yes
Fork Lift Facility	No	No	No
Water Quality	Drinking Water Quality		

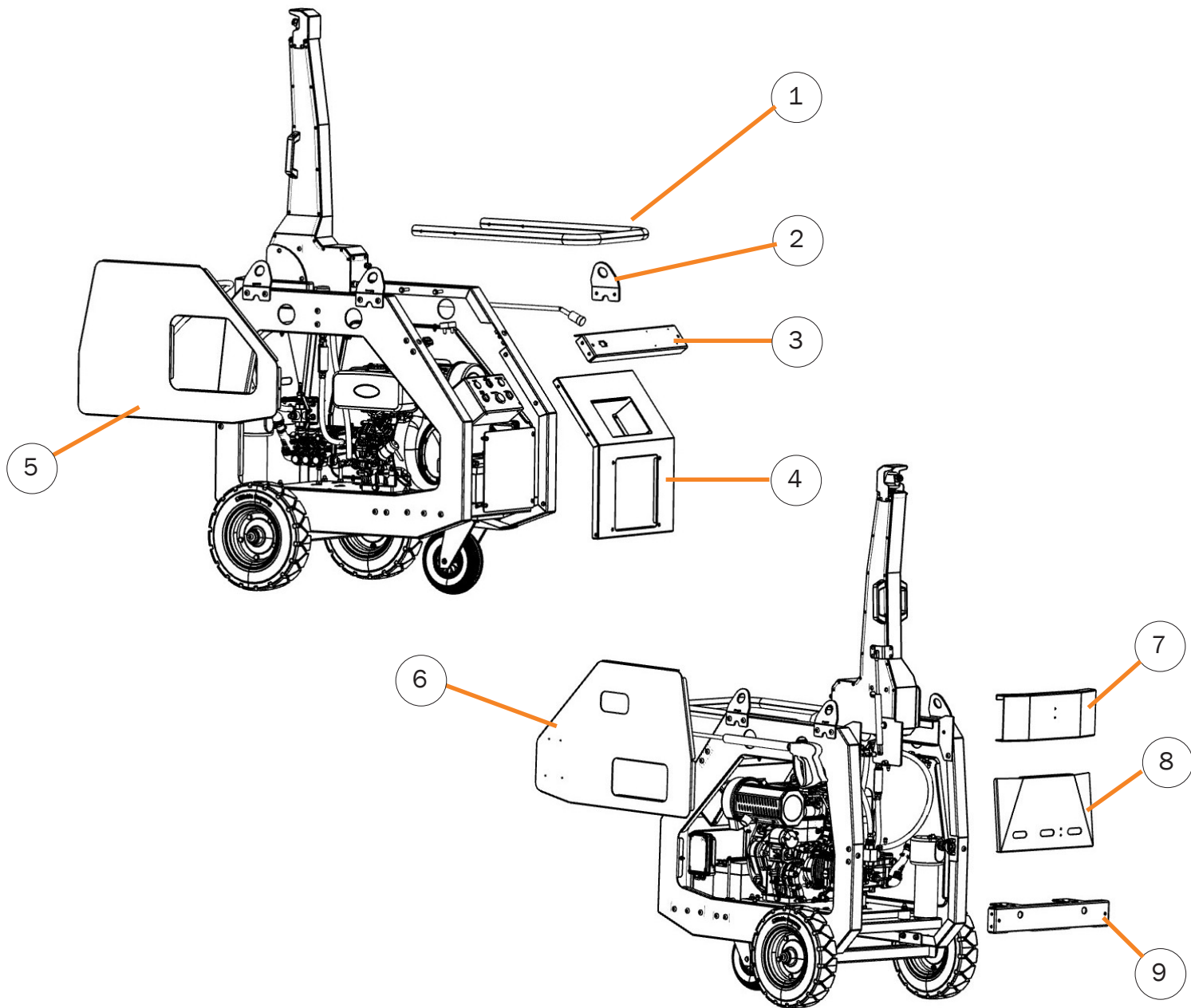
PRODUCT SPECIFICATIONS

OVERVIEW



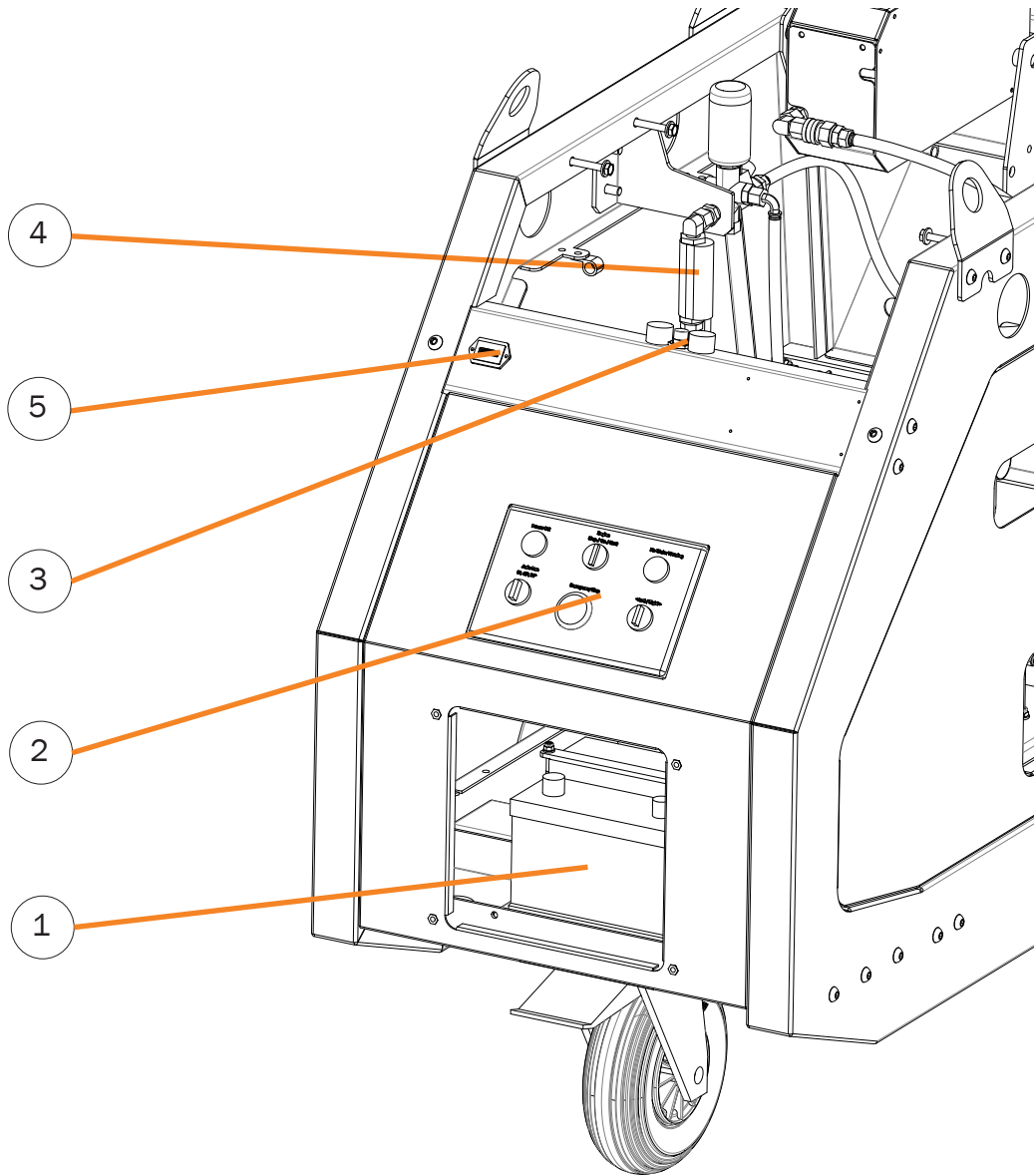
Number	Detail	Page No
1	BODY PANELS	6
2	ELECTRICAL	7 & 8
3	WHEEL ASSEMBLY	9
4	MAST (Mounting)	10
5	MAST (Main)	11
6	INLET & PUMP	12
7	DIESEL ENGINE	13 & 14
8	PRESSURE CONTROLLER	15
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BODY PANELS



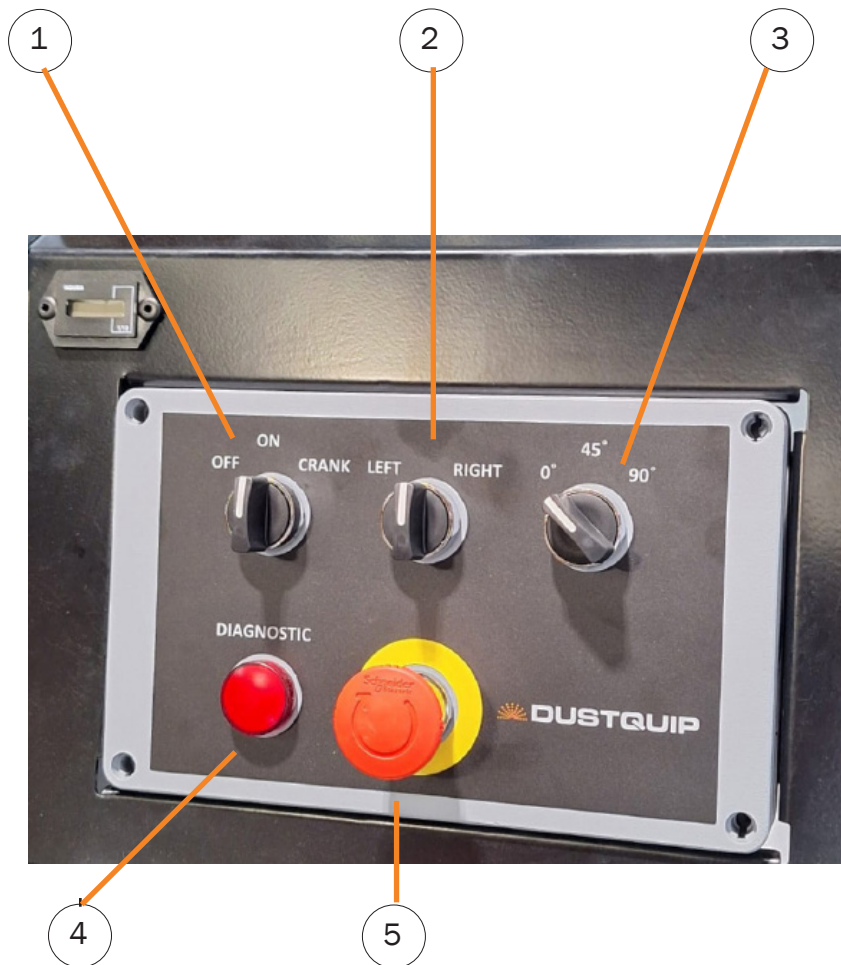
Number	Description	Part Number	Qty
1	Pull Handle	CM10-10	1
2	Lifting Eye	JM-F-18	4
3	Rear Frame Cross Member	JM-F-15	1
4	Battery & Control Bracket	JM-F-14	1
5	Left Side Cover Panel (JM35)	JM-F-21	1
6	Right Side Cover Panel	JM-F-16	1
7	Rear Mast Bracket	JM-F-20	1
8	Front Side Cover Panel	JM-F-07	1
9	Front Frame Cross Member	JM-F-13	1

ELECTRICAL



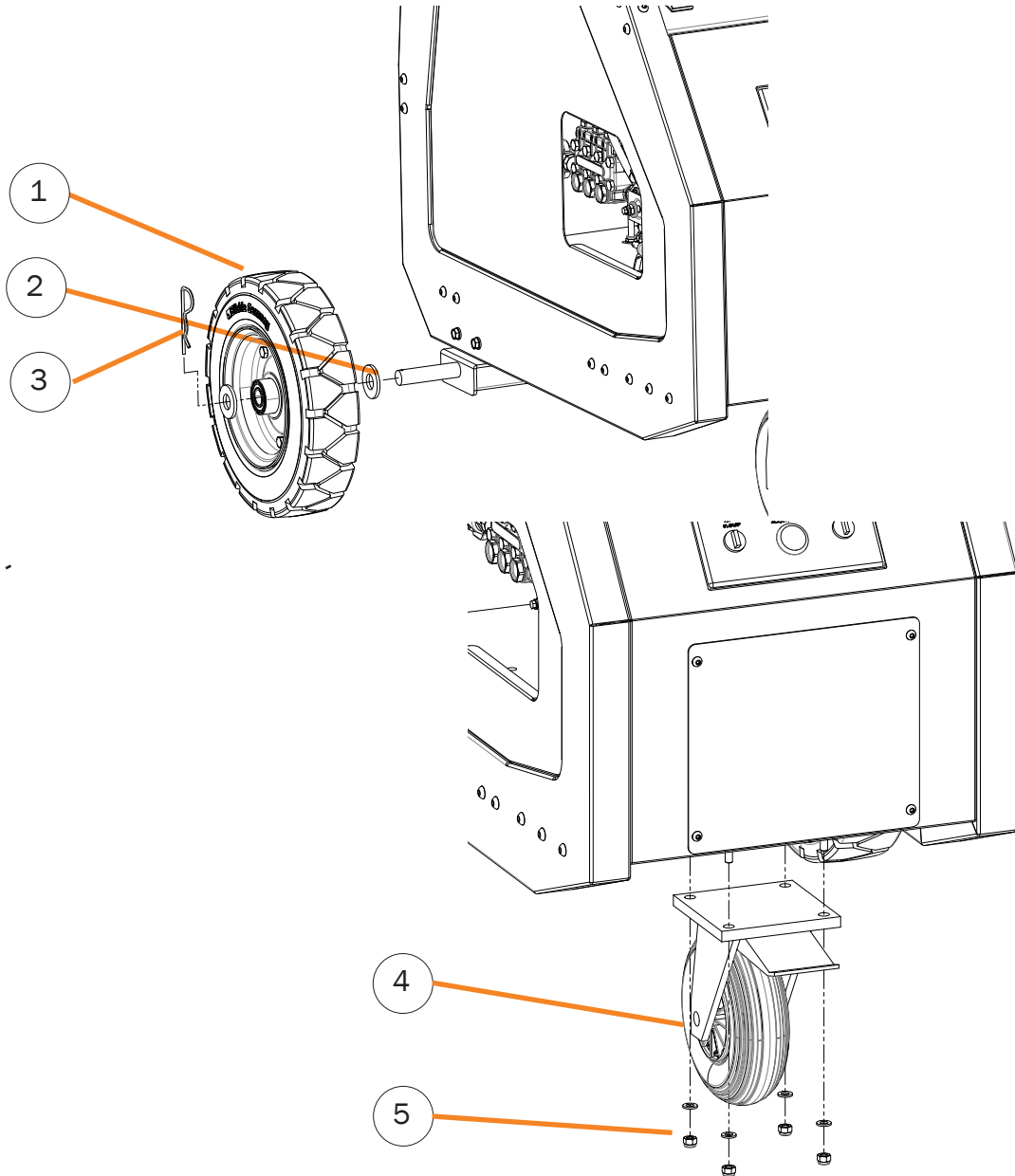
Number	Description	Part Number	Qty
1	12v Battery	EC020	1
	Battery Cable - Black	EC029	
	Battery Cable - Red	EC007	
2	Control Panel	EA002	1
3	Mast Safety Switch	EC032	1
4	Water Detector Switch	HF-FSWITCH-MV60	1
5	Hour Meter	EC030	1
	Master Engine Fuse (size)		1
	Control Panel Fuse (size)		2

ELECTRICAL



Number	Description	Part Number	Qty
	Control Box Complete	EA002	1
1	Crank Switch Button	EA046	1
1A	Crank Switch Body & Contacts	EA049	1
2	Mast Left/Right Switch Button	EA047	1
2A	Mast Left/Right Switch Body & Contacts	EA050	1
3	Side Slew Switch Button	EA048	1
3A	Side Slew Switch Body & Contacts	EA051	1
4	Diagnostic Lamp	EA053	1
4A	Diagnostic Lamp Body & Contacts	EA054	1
5	Emergency Stop Button	EC037	1

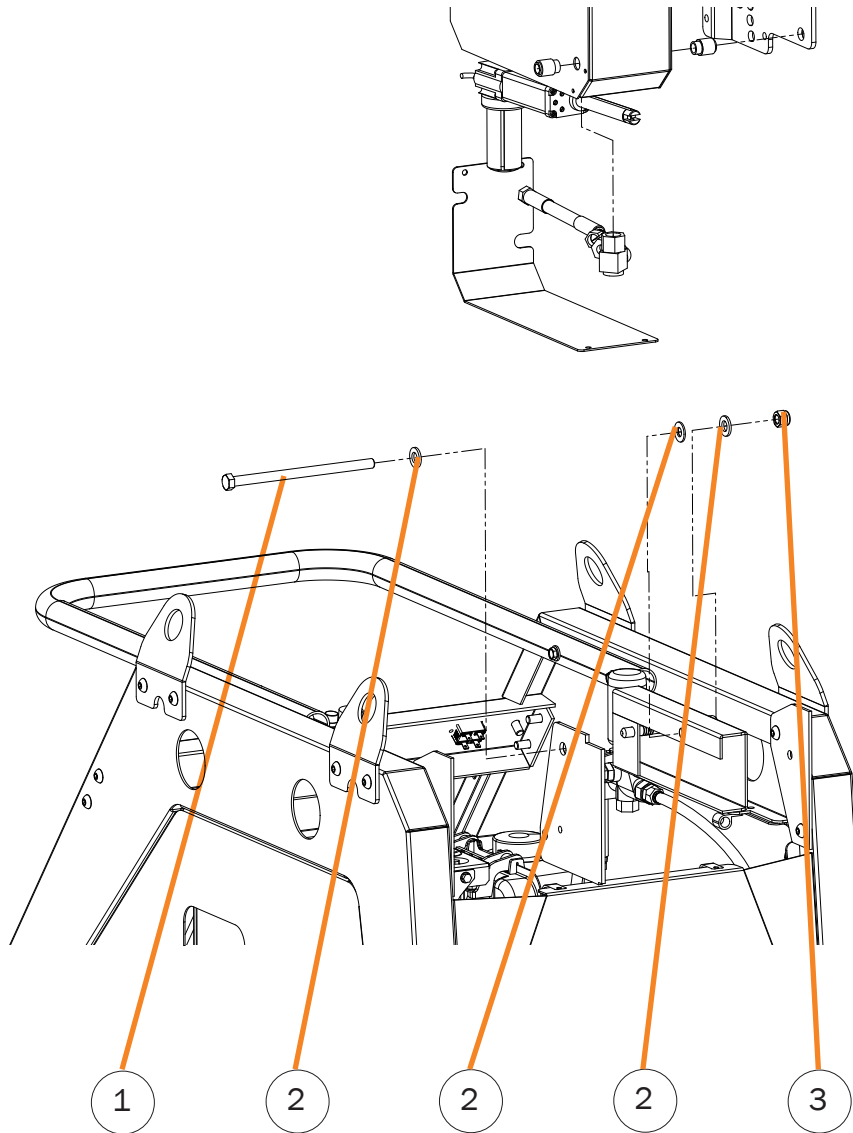
WHEEL ASSEMBLY



Number	Description	Part Number	Qty
1,2 & 3	JM35 Rear Wheel & Tyre Inc fixings	WT024	2
4 & 5	JM35 Front Braked Wheel In fixings	WT025	1

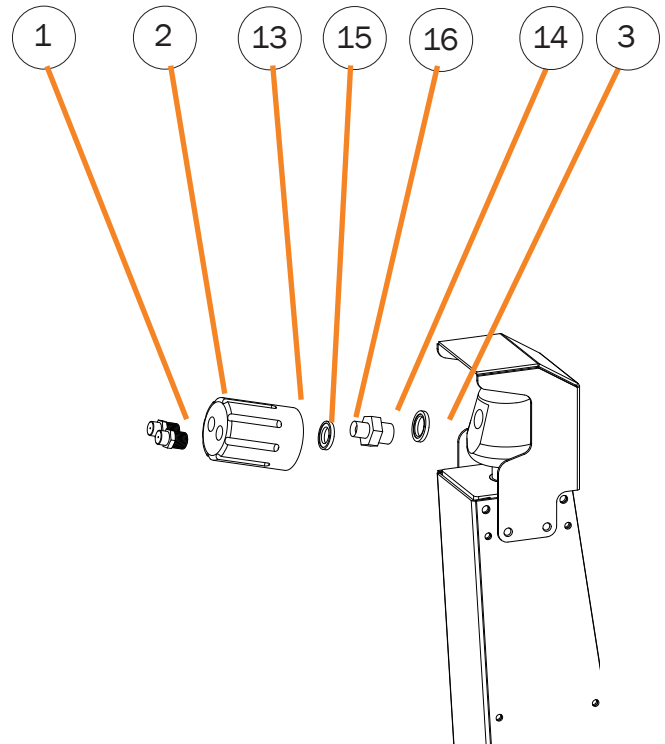
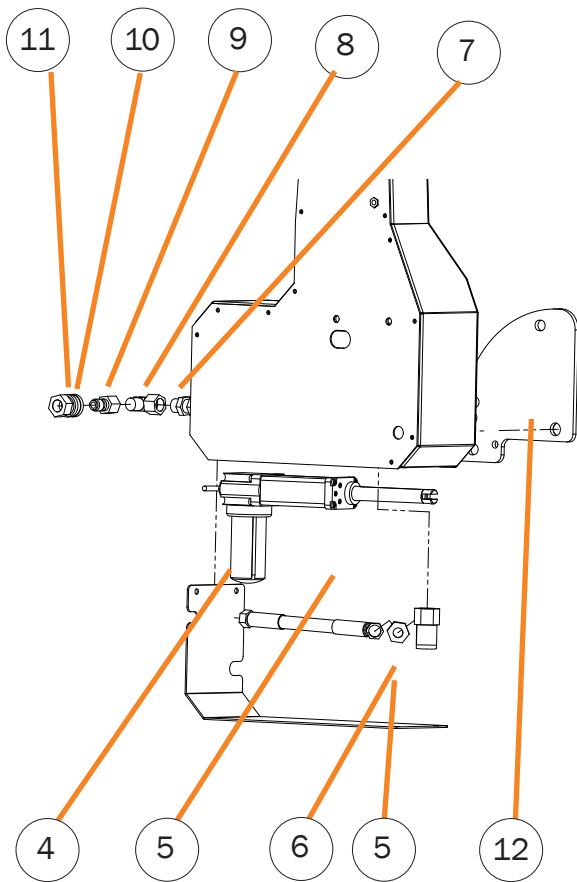
MAST

Mounting



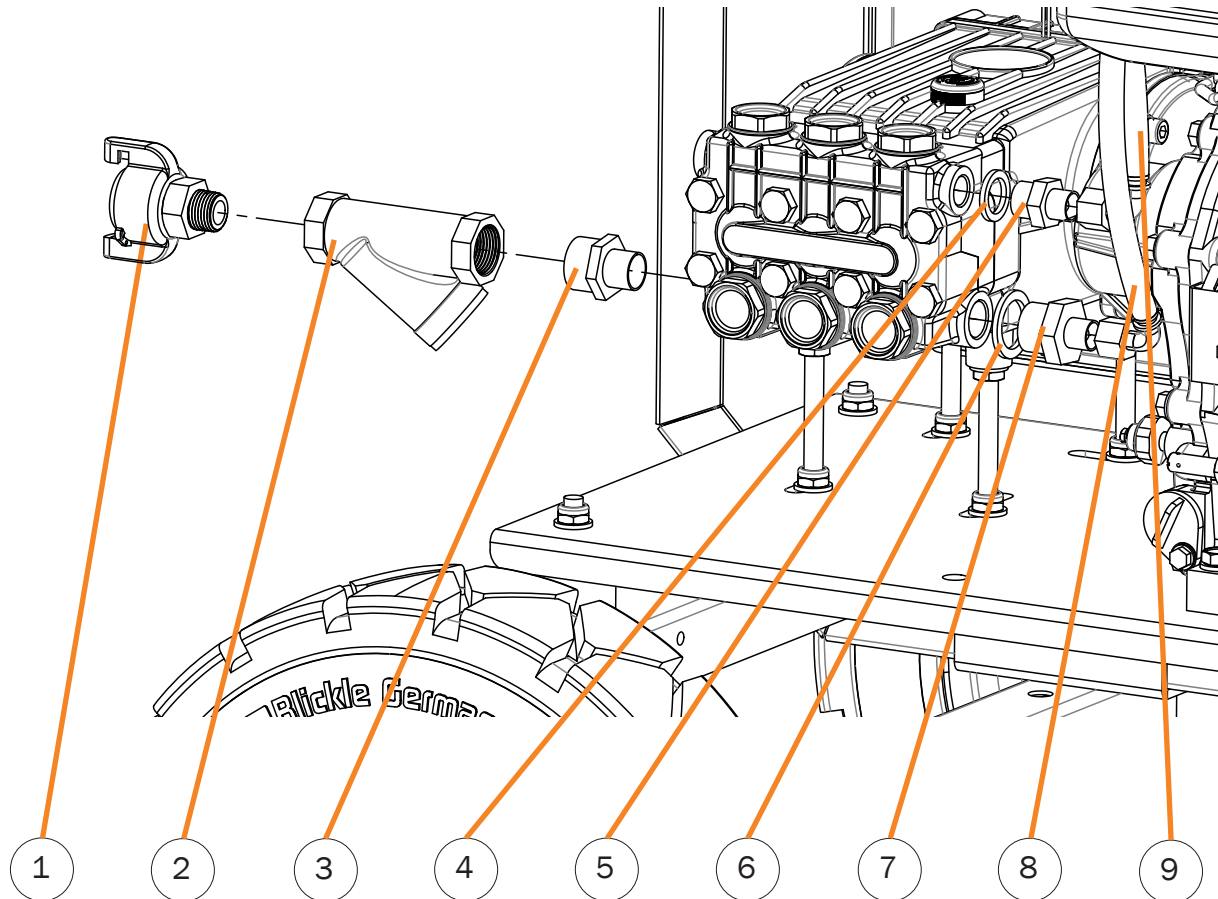
Number	Description	Part Number	Qty
1	Mast Pivot Bolt	FX-HBOLT-M12x200	1
2	Washer	FX-WASHER-C-M12	3
3	Locking Nut	FX-LNUT-M12	1

MAST



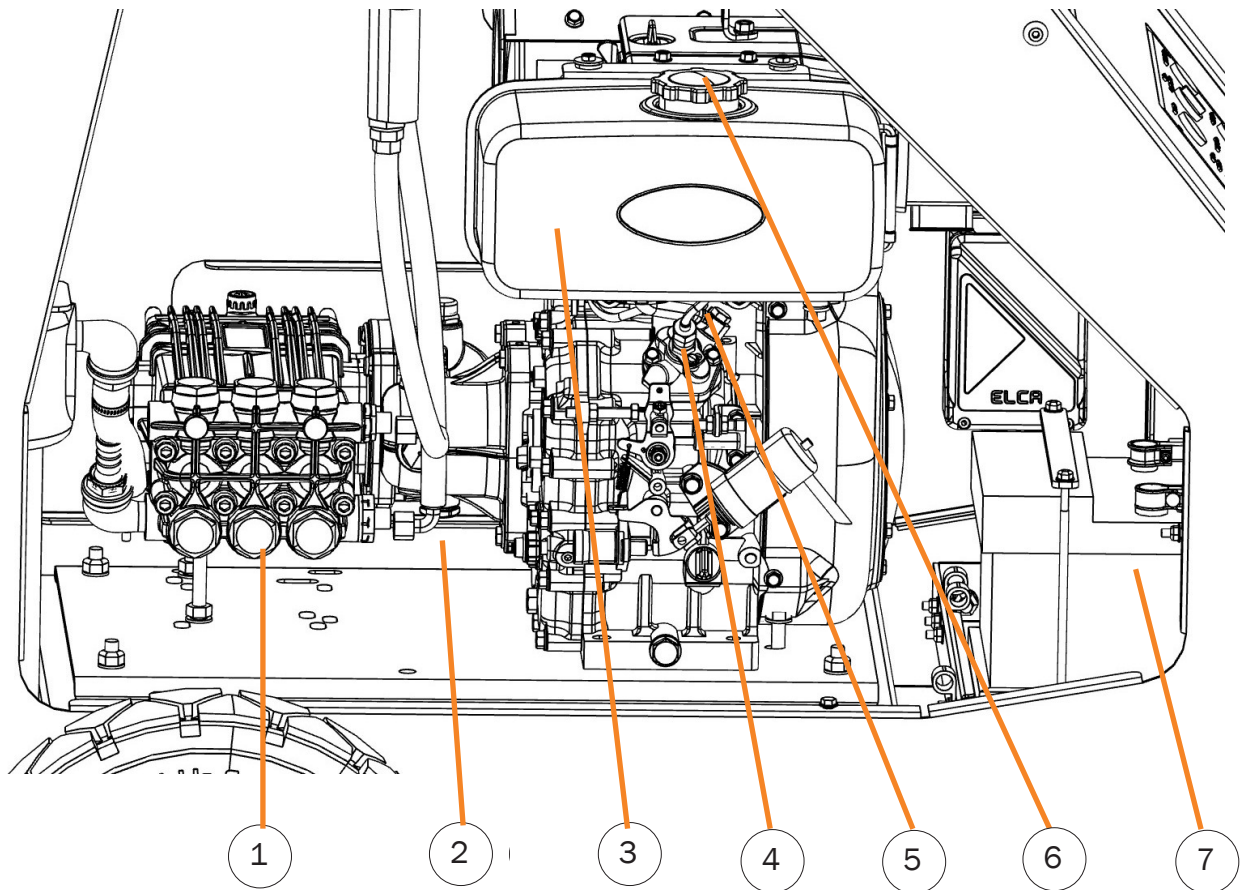
Number	Description	Part Number	Qty
1	Jet Nozzle (Low flow)	WG-NOZZLE-0015	1
2	Jet Nozzle (High flow)	WG-NOZZLE-0025	1
3	Nozzle Holder	JM-M-08	1
4	Actuator	EC012	1
5	Mast Hose	HA016	1
6	Adaptor	HF-ADAPTOR-1.2F-3.8M	1
7	Swivel	HF-SWIVEL-1.2F-1.2F-SS	1
7	Male Nipple	HF-NIPPLE-3.8x1.2-BZP	1
7	1.2 Seal	HF-DOWTY-1.2	1
8	Coupling	HF-BHEAD-3.8Mx3.8M	1
9	Elbow	HF-ELBOW-3/8-M/F-SWIVEL-BZP	1
10	QR Coupling (Male)	HF-QRC-M-MIDI-PROBE-3.8F	1
11	QR Coupling (Female)	HF-QRC-F-MIDI-COUPLER-3.8F	1
12	Locking Plate	JM-M-10	1
13	Nozzle Selector	HF-VALVE-2-WAY-NOZZLE	1
14	3.8 Seal	HF-DOWTY-3.8	1
15	1.4 Seal	HF-DOWTY-1.4	1
16	Nipple	HF-NIPPLE-1.4x3.8	1

INLET & PUMP



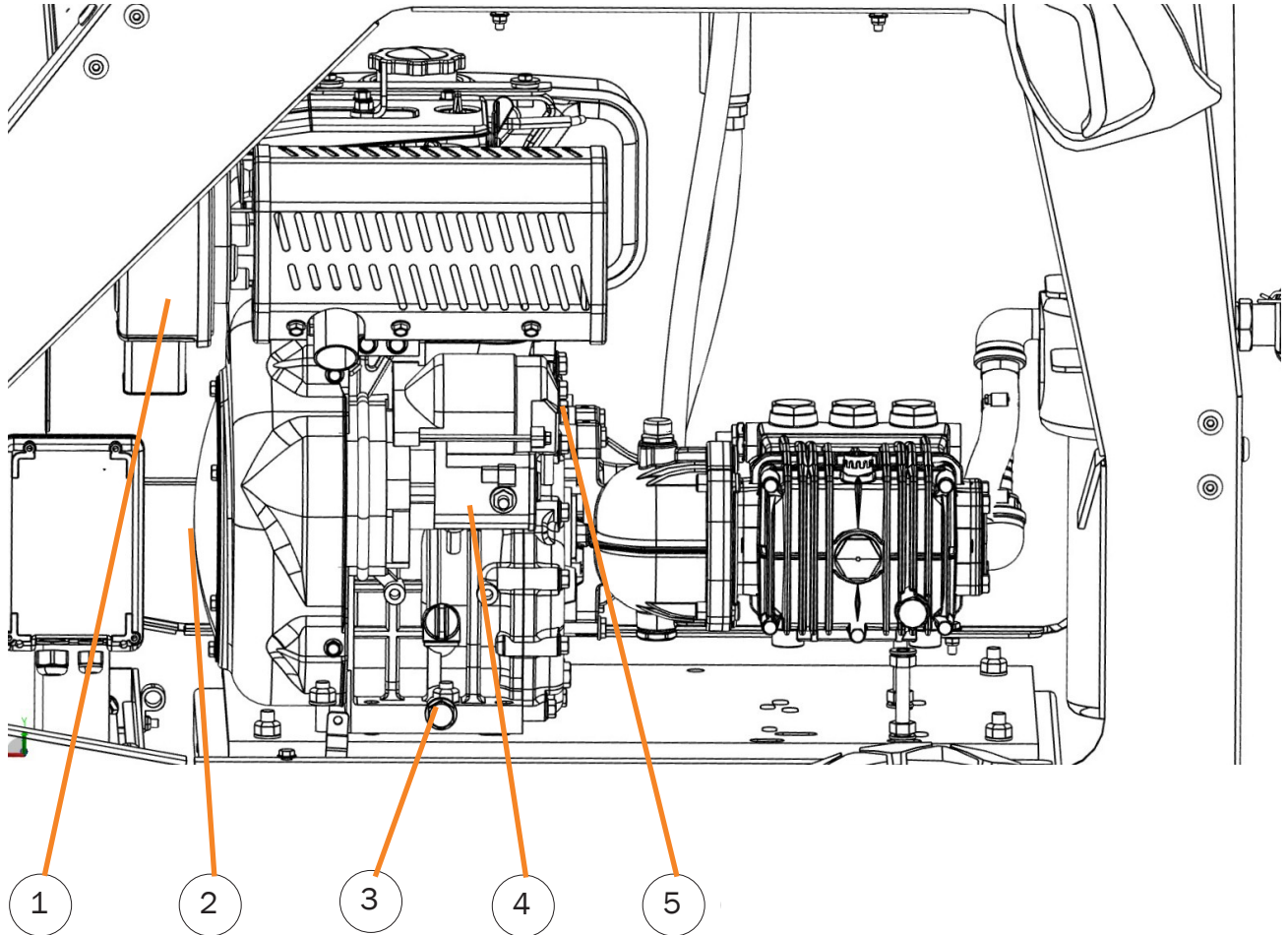
Number	Description	Part Number	Qty
1	Coupling	PW-CLAW-3.4M-BSP	1
2	Strainer	PW-YSTRAINER-3/4-BRASS	1
3	Nipple	PW-NIPPLE HEX-3/4x1/2	1
4	Seal	HF-DOWTY-1.2	1
5	Nipple	HF-NIPPLE-3.8x1.2-BZP	1
6	Seal	HF-DOWTY-3.4	1
7	Nipple	HF-NIPPLE-3.8x3.4-BZP	1
8	Return Hose	HA003	1

DIESEL ENGINE



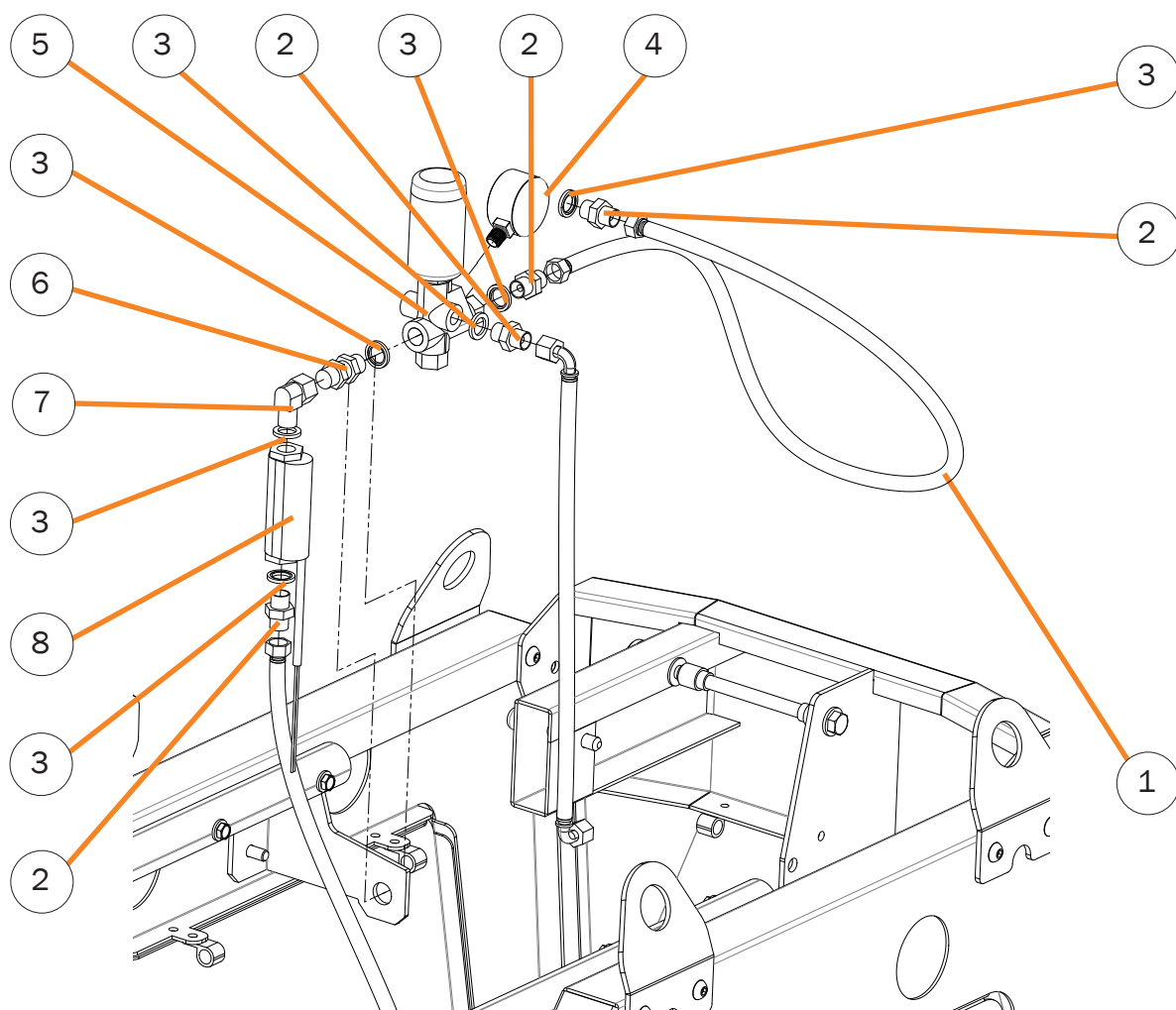
Number	Description	Part Number	Qty
	Complete Engine/Pump Assembly	PUA-40-100-JM	1
	Replacement Yanmar Engine	ENG001	1
1	Replacement HP Pump	PU016	1
2	Gearbox Assembly	MT009	1
3	Fuel Tank	MPC-023	1
4	Fuel Pump	MPC-010	1
5	Fuel Filter	MPC-012	1
6	Fuel Cap	MPC-037	1
7	12 Volt Battery	EC020	1

DIESEL ENGINE



Number	Description	Part Number	Qty
1	Yanmar Air Filter	MPC-015	1
2	Recoil Pull Start Assembly	MPC-036	1
3	Oil Filter	MPC-013	1
4	Voltage Regulator	MPC-000	1
5	Starter Motor	MPC-019	1
	Fuel Injector	MPC-011	1
	Engine Service Kit (Includes oils)	MPC009	1

PRESSURE CONTROLLER



Number	Description	Part Number	Qty
1	Mast Feed Hose	HA017	1
2	Nipple	HF-NIPPLE-3.8x3.8-S-BZP	4
3	Seal	HF-DOWTY-3.8	6
4	Gauge	HF-GAUGE-250BAR	1
5	Unloader Valve	HF-UNLOADER-VRT3	1
6	Coupling	HF-BHEAD-3.8Mx3.8M	1
7	Elbow	HF-ELBOW-3/8-MF-SWIVEL	1
8	Flow Switch	HF-FSWITCH-MV60	1

Accessories



No	Description	Part No	Qty
PRESSURE WASHER KIT			
1	10M Pressure wash hose & Lance	JM35-PWK	1
HOSE SETS			
	5M Lead Hose with clamps & fittings	DQ-LEAD-5M	1
	10M Lead Hose with clamps & fittings	DQ-LEAD-10M	1
2	10M MIST Hose line assembly with 10 DQM-2 nozzles (1M spacings)	DQ-MIST-1M-10M	1
	10M MIST Hose line assembly with 5 DQM-2 nozzles (2M spacings)	DQ-MIST-2M-10M	1
3	15M FOG Line with 15 DQF-20 nozzles, with protector (1M spacings)	DQ-FOG-15M	1
	30M FOG Line with 30 DQF-20 nozzles, with protector (1M spacings)	DQ-FOG-30M	1
4	Replacement Mist Nozzles	DQM-2	
5	Replacement Fog Nozzles	DQF-20	
REMOTE CONTROL			
6	Remote Control (Requires factory fitting)	JM35-RC	1
6	Remote Control - Hand set transmitter only	EC089	

FACTORY SERVICE

Maintenance Matters : Downtime Deters

Part No: DFS-JM35-D

Maintenance is key to running efficient and reliable equipment.

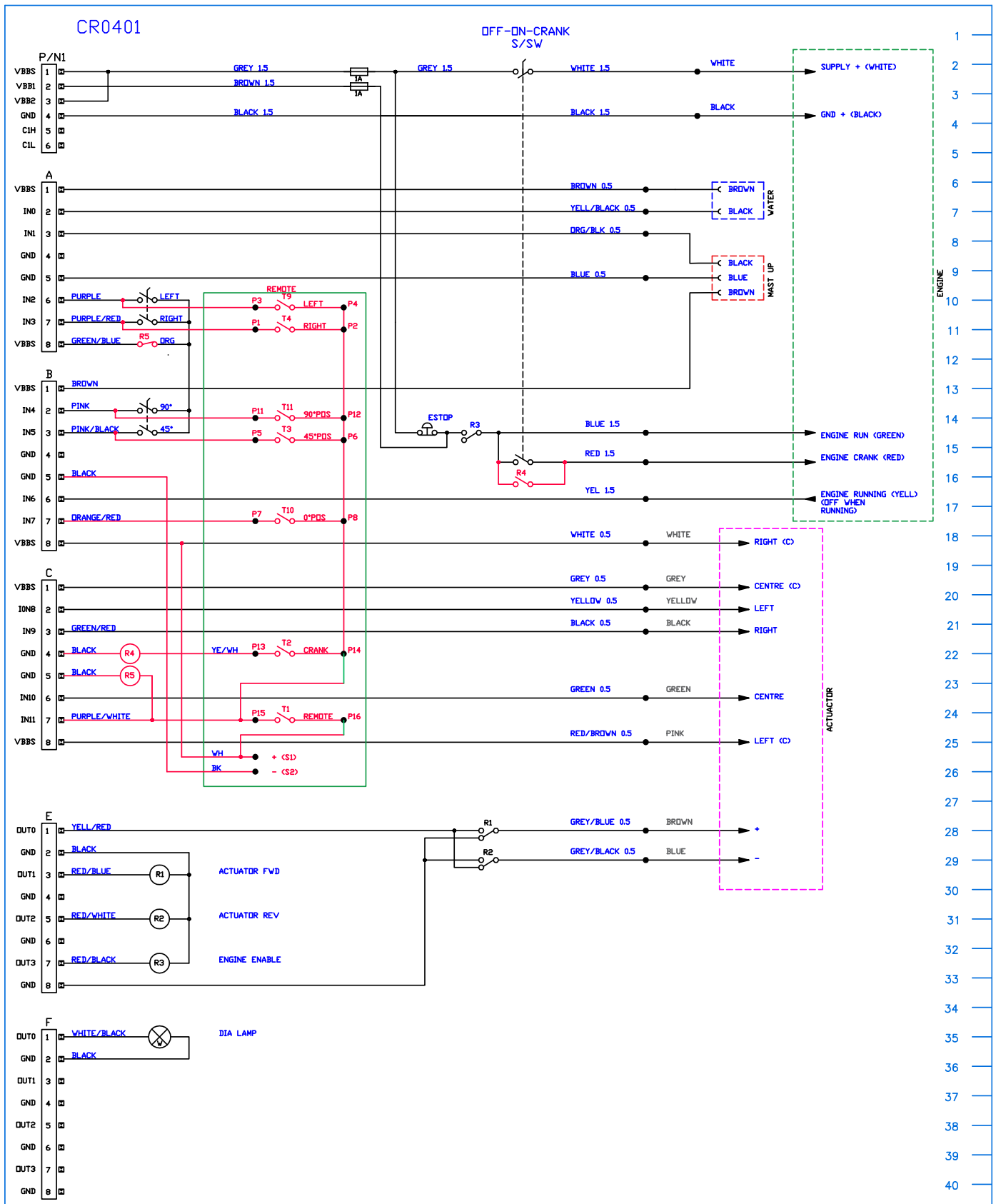
Take advantage of the DFS (Dustquip Factory Service) , so you can focus on the running of your business, while trusting us to expertly maintain your machines.

The **DFS** is tailored to suit your machine and includes:



- Full test run & report
- Pressure wash clean
- Engine : Oil & filter change
- Gearbox: Oil check
- Pump: Oil check & top up
- Mechanical Parts: Lubrication service and spray jets checked

Wiring Diagram



Notes

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