

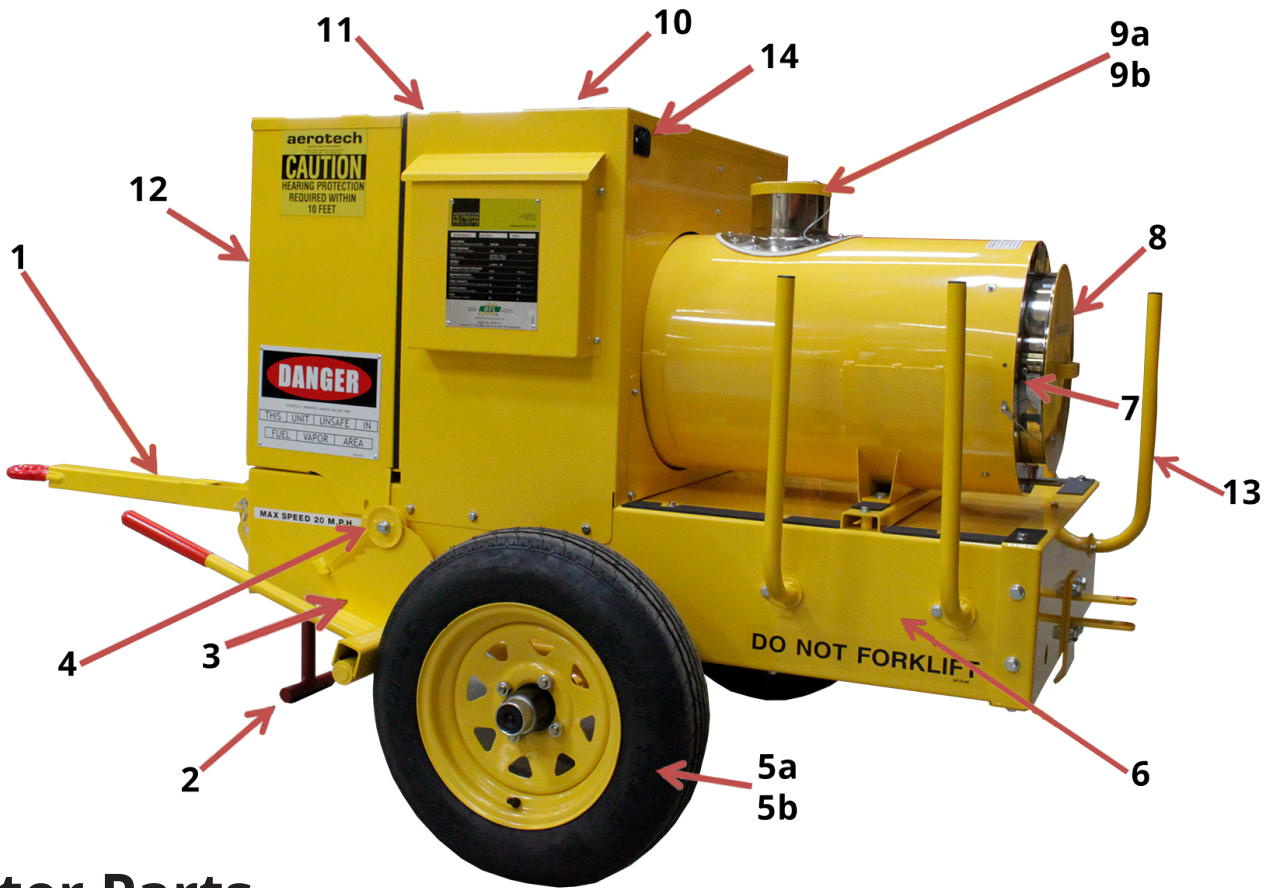
AEROTECH HERMAN NELSON EXTREME PORTABLE HEAT
BT400 SERIES
PARTS MANUAL



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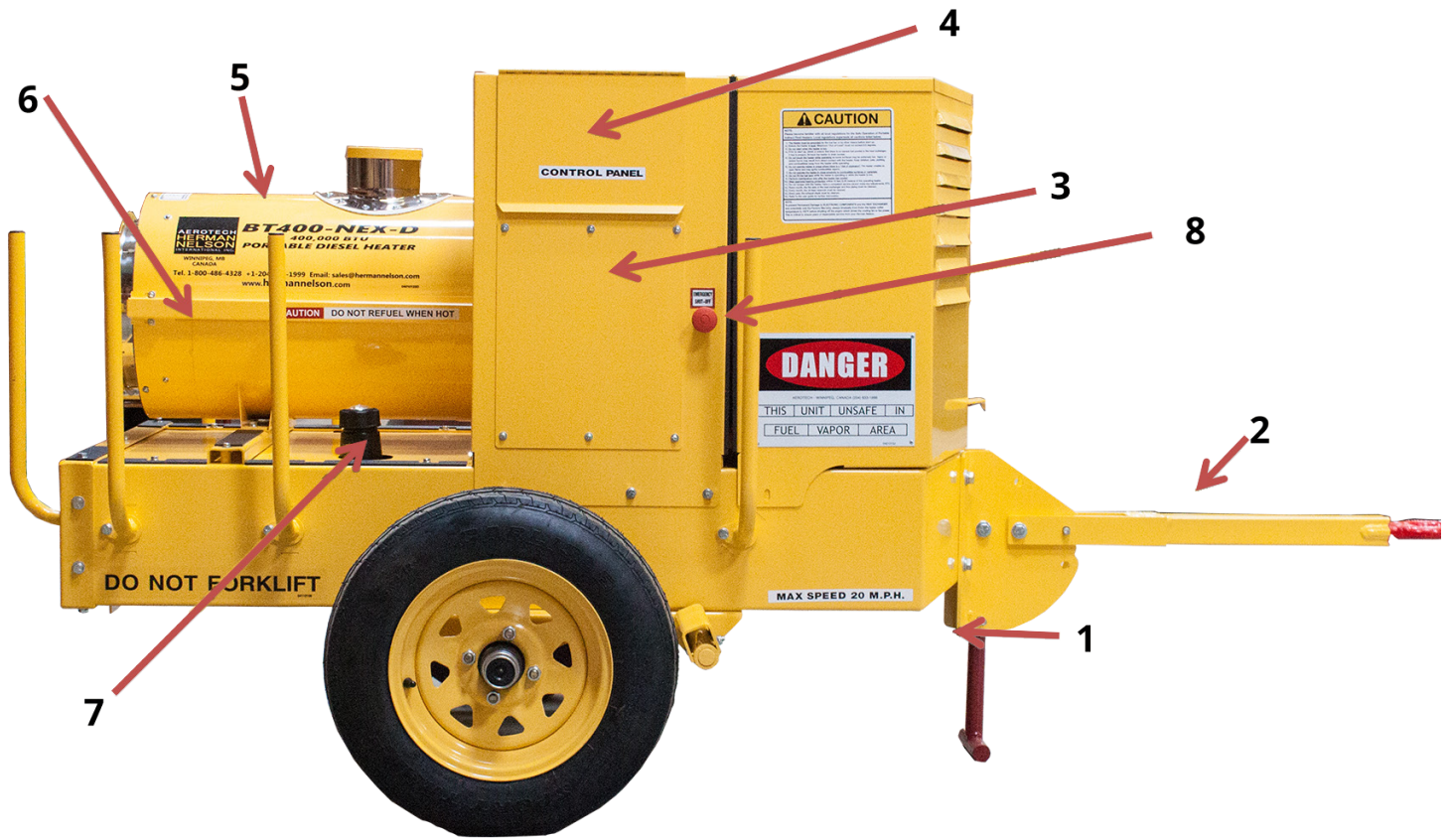
**AEROTECH
HERMAN
NELSON**
INTERNATIONAL INC.



Heater Parts

Item	Part Number	Description	Quantity
1	8130292-10-OK	LONG TOW BAR	1
2	8227188-10	KICKSTAND	1
3	ADH-0040W	BRAKE ASSEMBLY	1
4	ADH-0081W	BRAKE LOCK	1
5a	ADH-0010A	AXLE ASSEMBLY	1
5b	05300990	TIRE	2
6	ADH-0082W	TRAILER MAIN FRAME	1
7	04040020	DUCT ADAPTER	1
8	04040011	OUTLET COVER	1
9a	04040014	SPARK ARRESTOR	1
9b	TR3313	EXHAUST STACK COVER	1
10	05000123MODA	RUBBER STOPPER	2
11	ADH-0018W	HOOD, REAR	1
12	ADH-0023A	HOOD, FORWARD	1
13	AGH-0004W	DUCT HANGER	6
14	05300651	12V POWER SOCKET	1

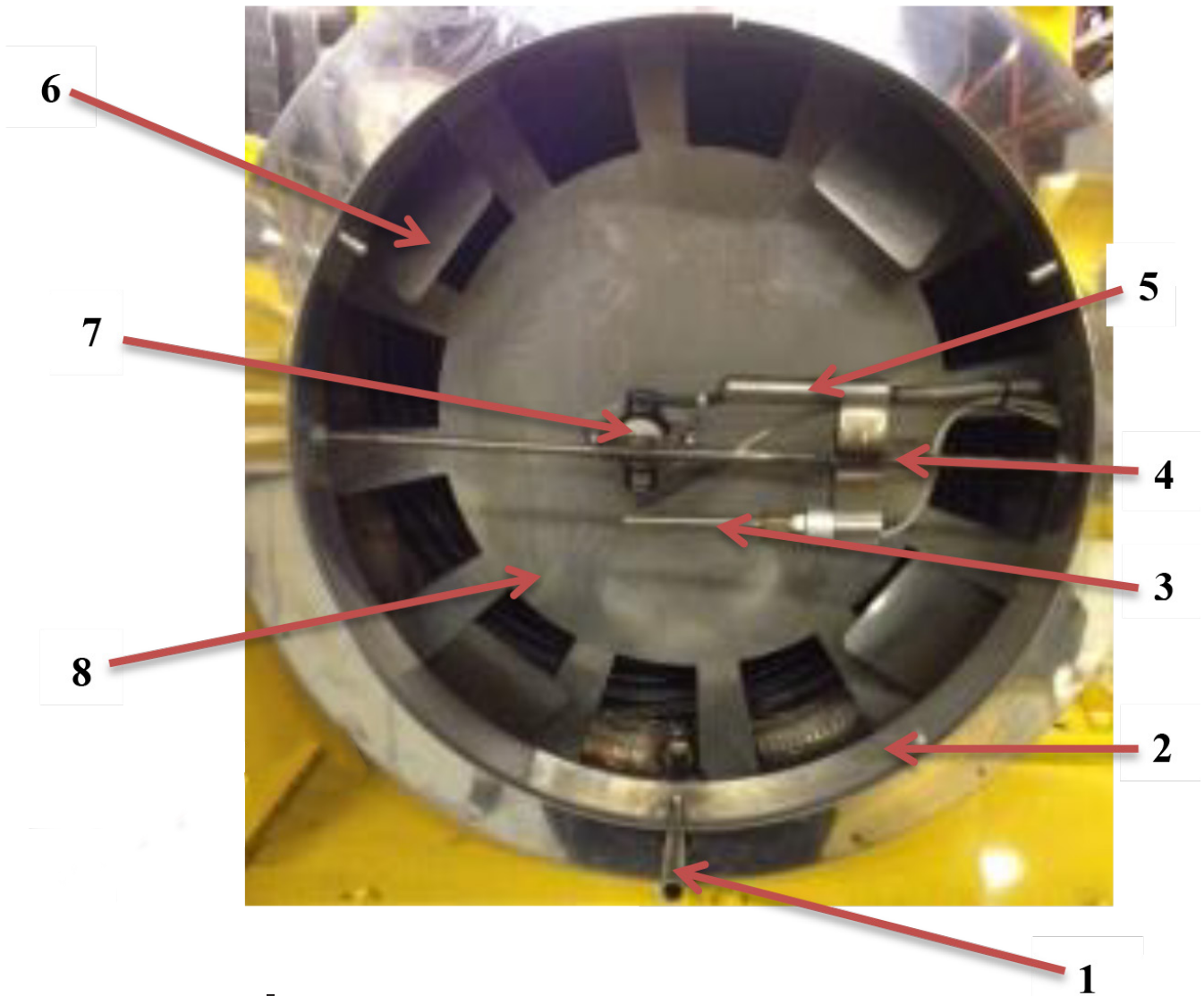
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Heater Parts

Item	Part Number	Description	Quantity
1	8227188-10	KICK-STAND	1
2	8130292-10-OK	TOW BAR	1
3	05000136-OK	REAR HOOD SERVICE PLATE	1
4	05310224	ACCESS DOOR	1
5	04050032AT-OK	HEAT EXCHANGER CASING	1
6	04100183	CAPILLARY SHIELD	1
7	05300104	FUEL TANK (POLY)	1
8	05300652	EMERGENCY SHUT-OFF STOP SWITCH	1

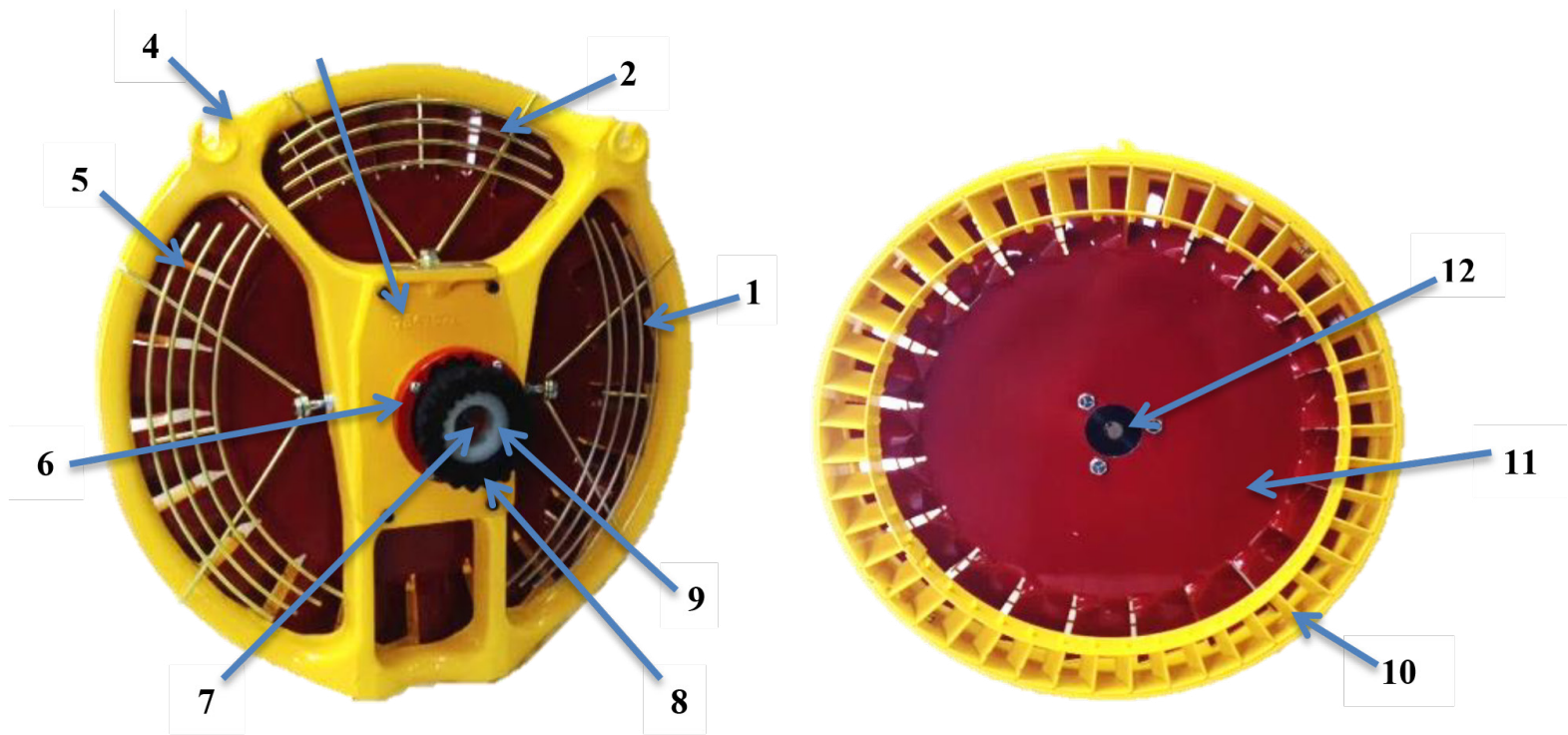
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Heater Outlet Parts

Item	Part Number	Description	Quantity
1	TRF3094	DRAIN TUBE	1
2	04040020	DUCT ADAPTER	1
3	05300360	THERMOSTAT PROBE	1
4	TAF3157MODD	SUPPORT BULB & COIL	1
5	TR3276	DISCHARGE TEMPERATURE GAUGE PROBE END	1
6	TA235	HEAT CONTROL BAFFLES	4
7	05300085	HIGH TEMPERATURE SWITCH	1
8	TAF3154-MODA	RADIATION SHIELD	1

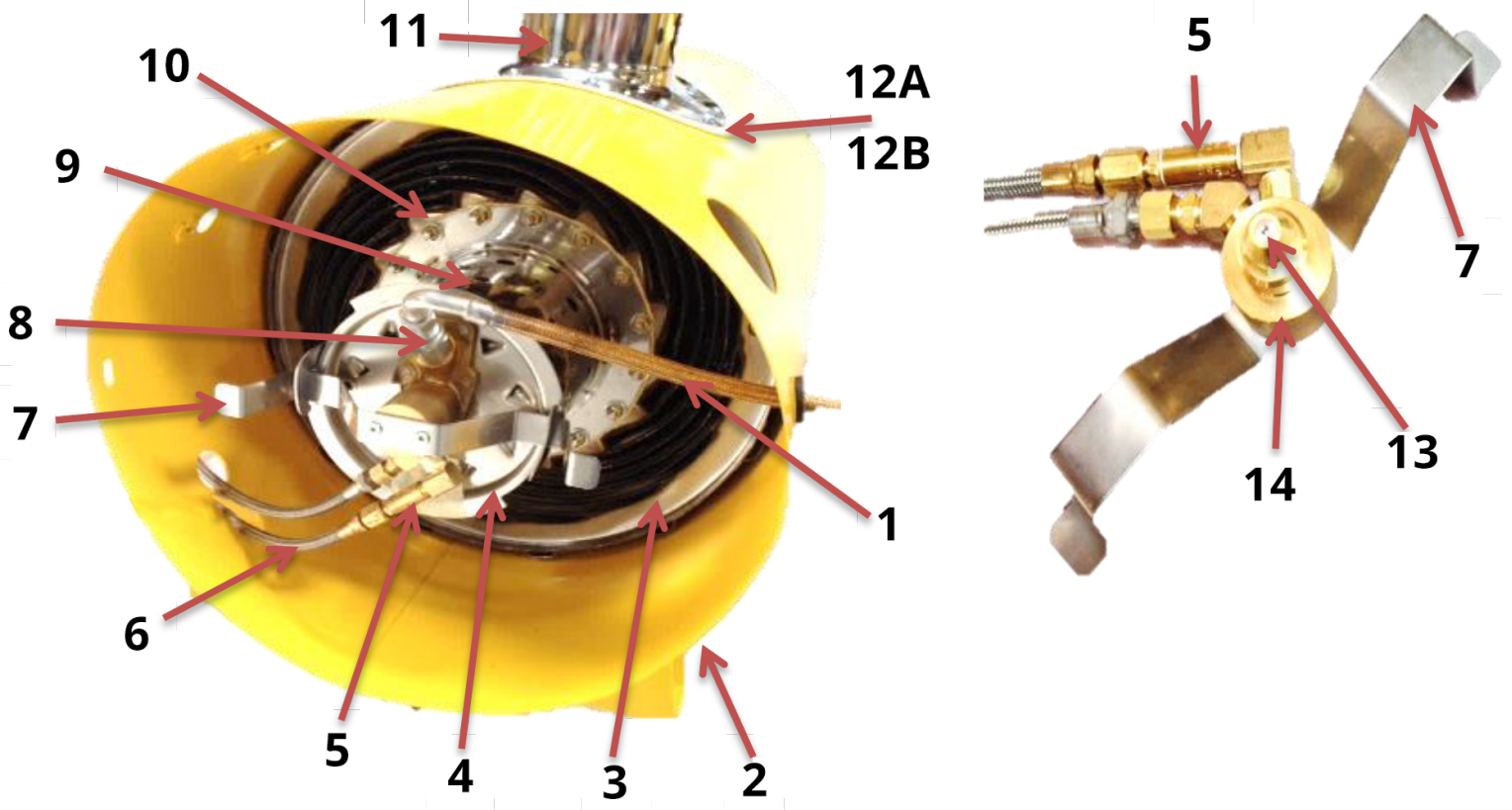
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Fan Assembly Parts

Item	Part Number	Description	Quantity
1	04020173	FAN GUARD (RIGHT)	1
2	TMF106	FAN GUARD (TOP)	1
3	04030002	BEARING SUPPORT	1
4	04010017	FAN RING	1
5	04020174	FAN GUARD (LEFT)	1
6	TM3917-1	DRIVEN COUPLING	1
7	TM3916	BEARING SHAFT	1
8	TM3917-2	SLEEVE COUPLING (RUBBER)	1
9	TM3927	SLEEVE BUSHING (NYLON)	1
10	04040022	AIR STRAIGHTENING VANE	1
11	04040018	FAN	1
12	TM3921	FAN HUB	1

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Heat Exchanger Assembly

Item	Part Number	Description	Quantity
1	04100156	IGNITION CABLE	1
2	04050032AT-OK	HEAT EXCHANGER CASING	1
3	8227028-10	HEAT EXCHANGER	1
4	TRF762 MOD A	COMBUSTOR PLATE	1
5	T0655A	5 PSI CHECK VALVE	1
6	04100157-1	FUEL LINE	2
7	T0553C	COMBUSTOR NOZZLE CLAMP	1
8	TE1010B	IGNITER PLUG	1
9	04040008	COMBUSTOR W/PIPE	1
10	TR776A	COMBUSTOR GASKET	1
11	04040015	EXHAUST STACK (No Hole)	1
12a	TX595	HEAT EXCHANGER GASKET	1
12b	TX592	EXHAUST STACK GASKET	1
13	TR778	FUEL NOZZLE 2.0 GPH	1
14	05300144	NOZZLE HOLDER	1

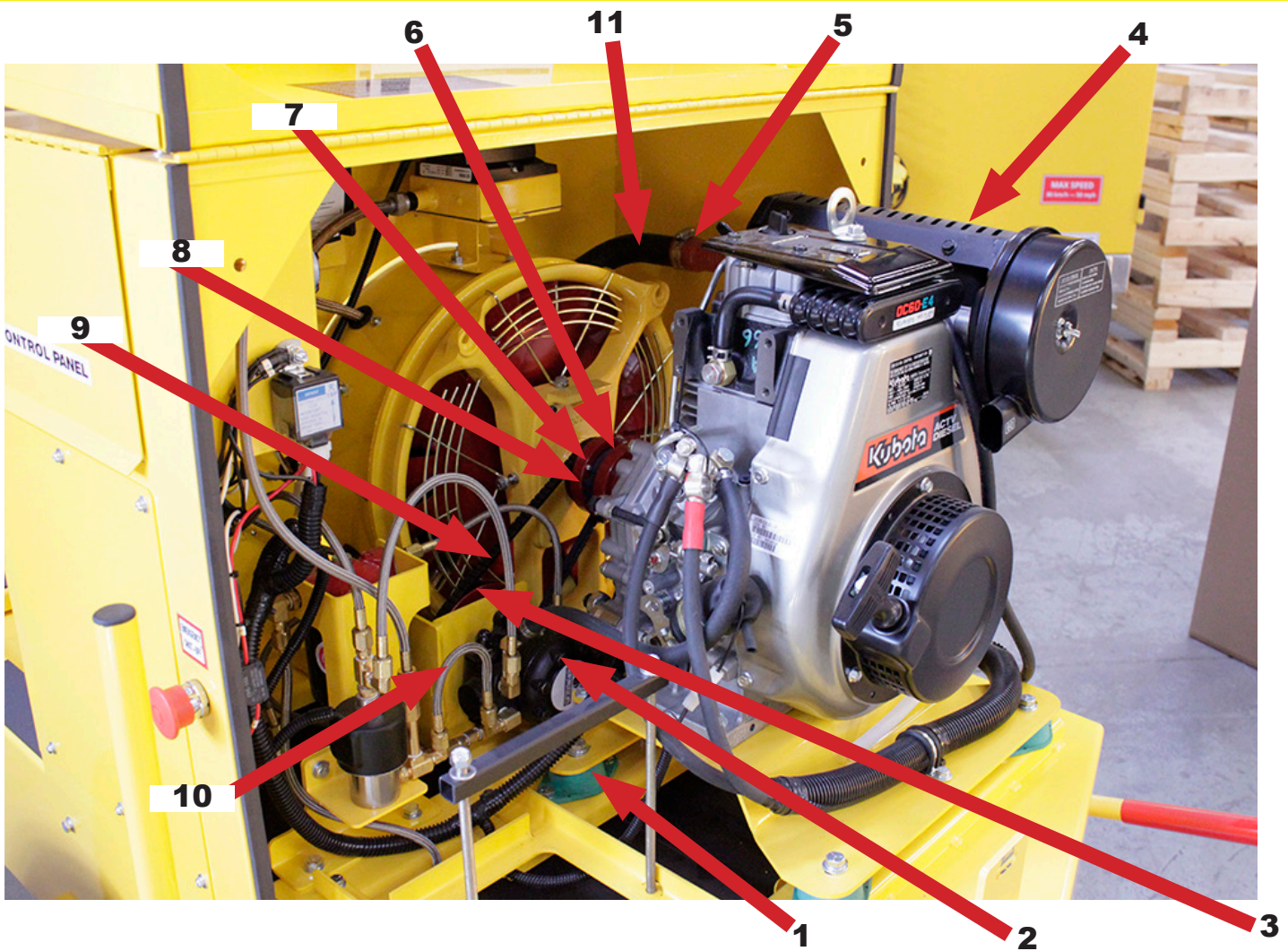
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Heater Engine Compartment

Item	Part Number	Description	Quantity
1	OC60D1QX3	KUBOTA ENGINE	1
2	11520-12050MM	MODIFIED MUFFLER	1
3	04100113	IGNITION COIL	1
4	04100156	IGNITION CABLE	1
5	05300050	BURNER CONTROL	1
6	05300410	16 INCH FUEL LINE	3
7	05300405	10 INCH FUEL LINE	1
8	05300400	8 INCH FUEL LINE	1
9	05300255	BURNER FUEL VALVE	1

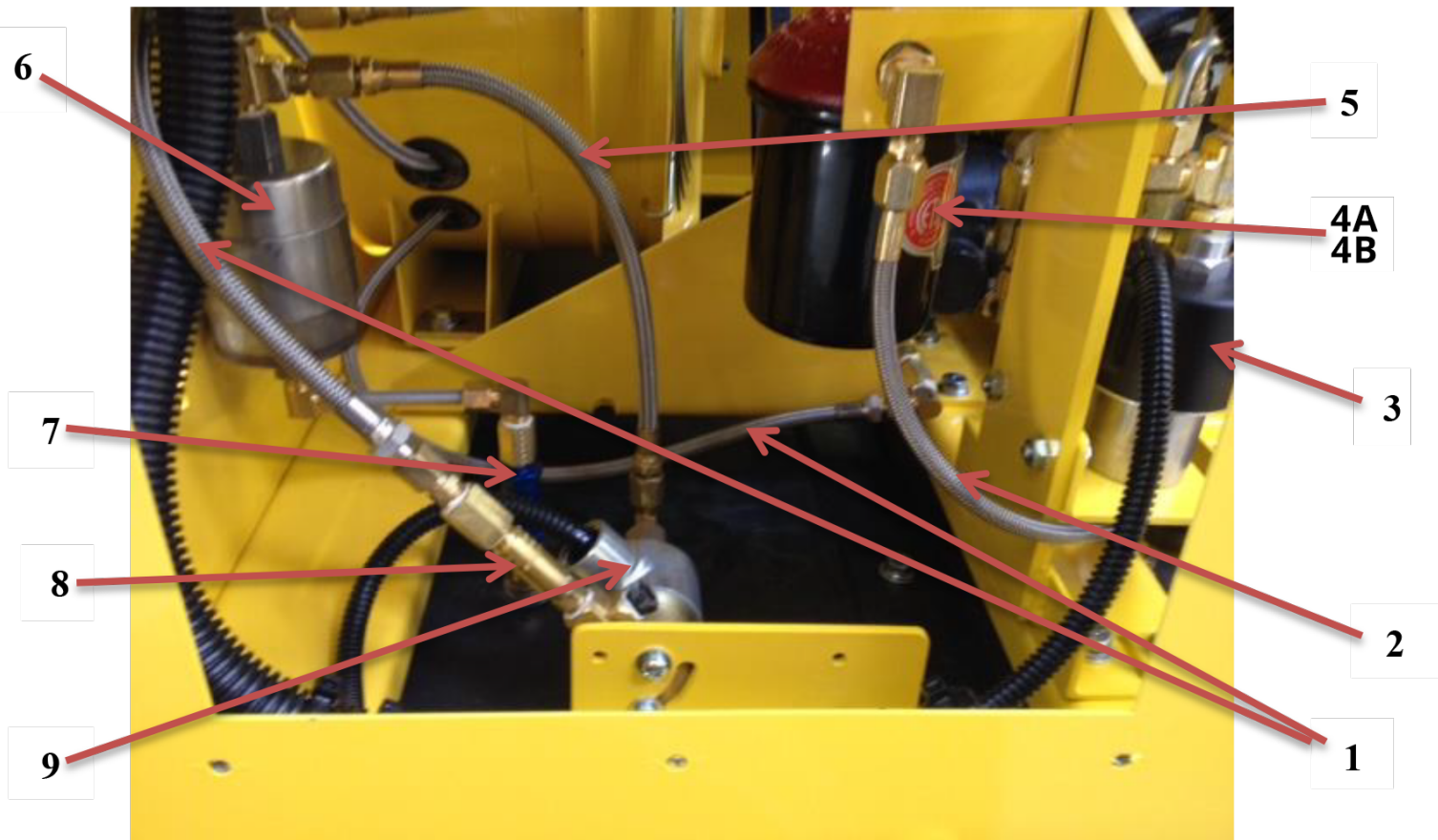
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Engine Compartment

Item	Part Number	Description	Quantity
1	05300141	MOTOR MOUNT	4
2	TR3277	FUEL PUMP	1
3	TM3919	PULLEY, FUEL PUMP	1
4	11520-12050MM	MODIFIED MUFFLER	1
5	04100155	FLEX EXHAUST HOSE	1
6	TM3917-3	DRIVE COUPLING	1
7	TM3917-2	SLEEVE COUPLING (RUBBER)	1
8	TM3917-1	DRIVEN COUPLING	1
9	MS15290	FAN-BELT	1
10	05300400	8 INCH FUEL LINE	1
11	04100154	EXHAUST PIPE COMBUSTOR	1

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Valves and Filters

Item	Part Number	Description	Quantity
1	04100157-1	FUEL LINE	2
2	T0631	FUEL LINE	1
3	05300255	BURNER FUEL VALVE	1
4A	1A-25A	FUEL FILTER ASSY	1
4B	1A-30	FUEL FILTER ELEMENT (INSIDE)	1
5	T0555A	FUEL LINE	1
6	TRA3057100	IN LINE FUEL FILTER	1
7	T03027	TANK CHECK VALVE	1
8	P356-25	25 PSI CHECK VALVE	1
9	05300265	TEMPERATURE VALVE	1

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Control Panel

Item	Part Number	Description	Quantity
1	MS24523-22	SWITCH	3
2	05300137	MAGNETIC CABINET LATCH	1
3	05300309	INDICATOR LIGHT- GREEN	5
4	MIL-M-3971/1-1	HOUR METER	1
5	05300250	PRESSURE GAUGE	1
6	04100178	PANEL LIGHT	1
7	TR3276	DISCHARGE TEMPERATURE GAUGE	1
8	05300301	LOCKOUT LIGHT- RED	1
9a	05300350	THERMOSTAT 12 VOLT DC	1
9b	05300370	THERMOSTAT KNOB	1

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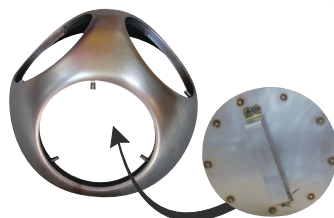
AEROTECH HERMAN NELSON
RECOMMENDED PARTS

As the BT400NEX-D heater is designed to work under extreme conditions and the following maintenance schedule listed below will help to prolong the life of your Herman Nelson BT400NEX-D heater.

PART NUMBER	DESCRIPTION	QUANTITY	REPLACE
1A30	FUEL FILTER ELEMENT	1	3 MONTHS
KUB13901-41350	FUEL FILTER KUBOTA OC60	1	12 MONTHS
KUB11420-11180	AIR FILTER KUBOTA OC60	1	12 MONTHS
KUB14911-32110	OIL FILTER KUBOTA OC60	1	12 MONTHS
MS15290	FAN BELT	1	12 MONTHS
TO3027	CHECK VALVE (TANK)	1	24 MONTHS
TM3917-2	SLEEVE COUPLING	1	12 MONTHS
TR778	FUEL NOZZLE (DIESEL)	1	12 MONTHS
TRA3057-100	IN-LINE FUEL FILTER	1	12 MONTHS

DUCT ADAPTER

The Duct adapter is a fantastic accessories to mutiple the heating capacity of the BT-400NEX-D. The proper way to use this application is first attach ducting to the appliance and then adding the bug eye adapter to the end of the ducting attached to the heater. From here we can add an additional 3 ducts as show in the image to the right of this text.



12 inch to 6 inch 3 way
 Duct Adapter
 Product #: FT921



Contact Aerotech Herman Nelson Intl. Inc.

HOW TO GET HELP

Please have the model and serial number on-hand when calling
100 Eagle Drive, Winnipeg, MB, Canada R2R 1V5

Local: 1 (204) 633-1999 (24 hr.)

Toll Free: 1 (800) 486-4328

Fax: 1 (204) 694-1612 or 1(204) 632-4441

Email: sales@hermannelson.com

Website: www.hermannelson.com



WARNING

Before operation carefully read this operator's manual to familiarize yourself with the BT400 NEX-D unit

For your own safety and longer product life, follow the instruction notices in this manual.

Keep this Operator Manual and the following manuals in the unit at all times

- Kubota Diesel Engine Operation Manual

Please visit www.hermannelson.com for training videos specifically designed to help you better understand how to use your BT 400NEX-D

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