



REPLACEMENT PARTS LIST



Model: HSE-125-N/P, HSE-145-N/P
Gas-fired Condensing Boiler and
Instantaneous Water Heater



WARNING - The replacement must be carried out by a qualified installer, service technician or gas supplier. Verify proper operation after replacing any part.

Allied Engineering Company

Division of E-Z-Rect Manufacturing Ltd.

Manufacturers of Gas and Electric Boilers, Stainless Steel Tanks, Heat Exchangers and Electric Boosters.
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HSE Replacement Parts List

Index

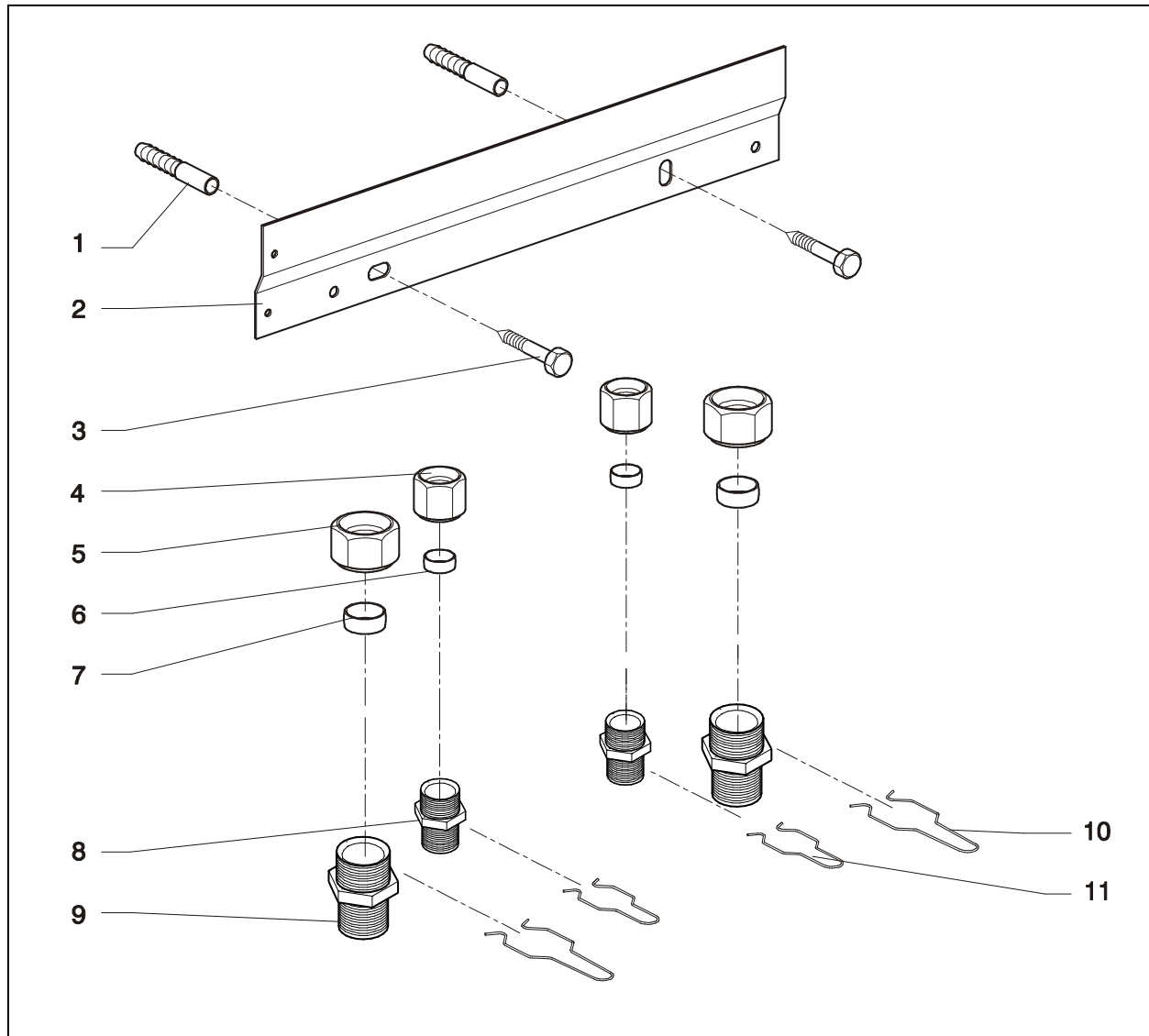
Section 1

Section	Page
1 Index	2
2 Bracket and Piping Connection Set	3
3 Case, Gasket and Insulation.....	4
4 Heat Exchanger, Flue and Water Piping	6
5 Domestic Water Supply and Flue Condensate Drain	8
6 Gas, Blower and Ignition System.....	10
7 Heat Exchanger Front Cover and Burner Unit.....	12
8 Appliance Controller.....	14
9 Wiring Harnesses	16

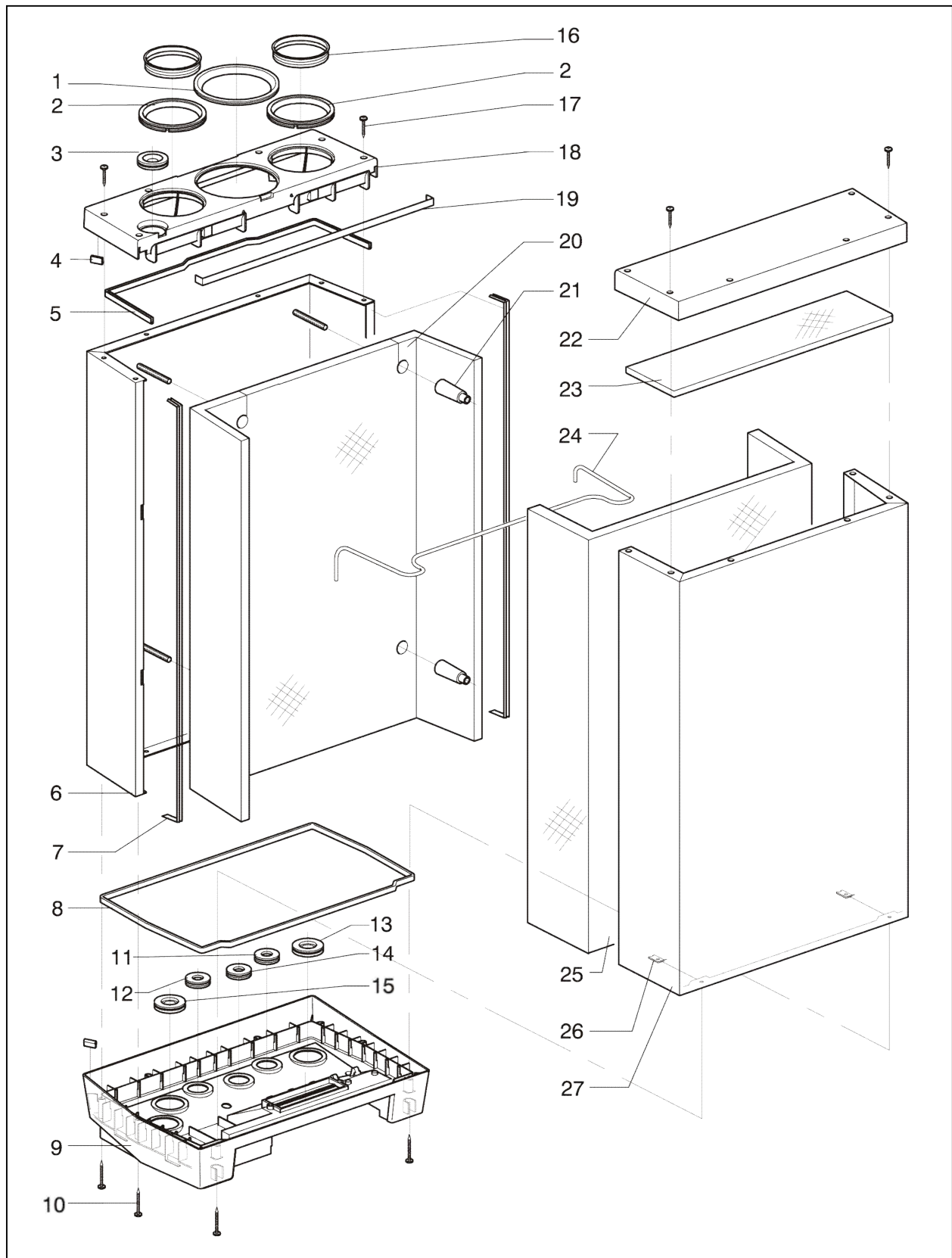
HSE Replacement Parts List

Bracket and Piping Connection Set

Section 2

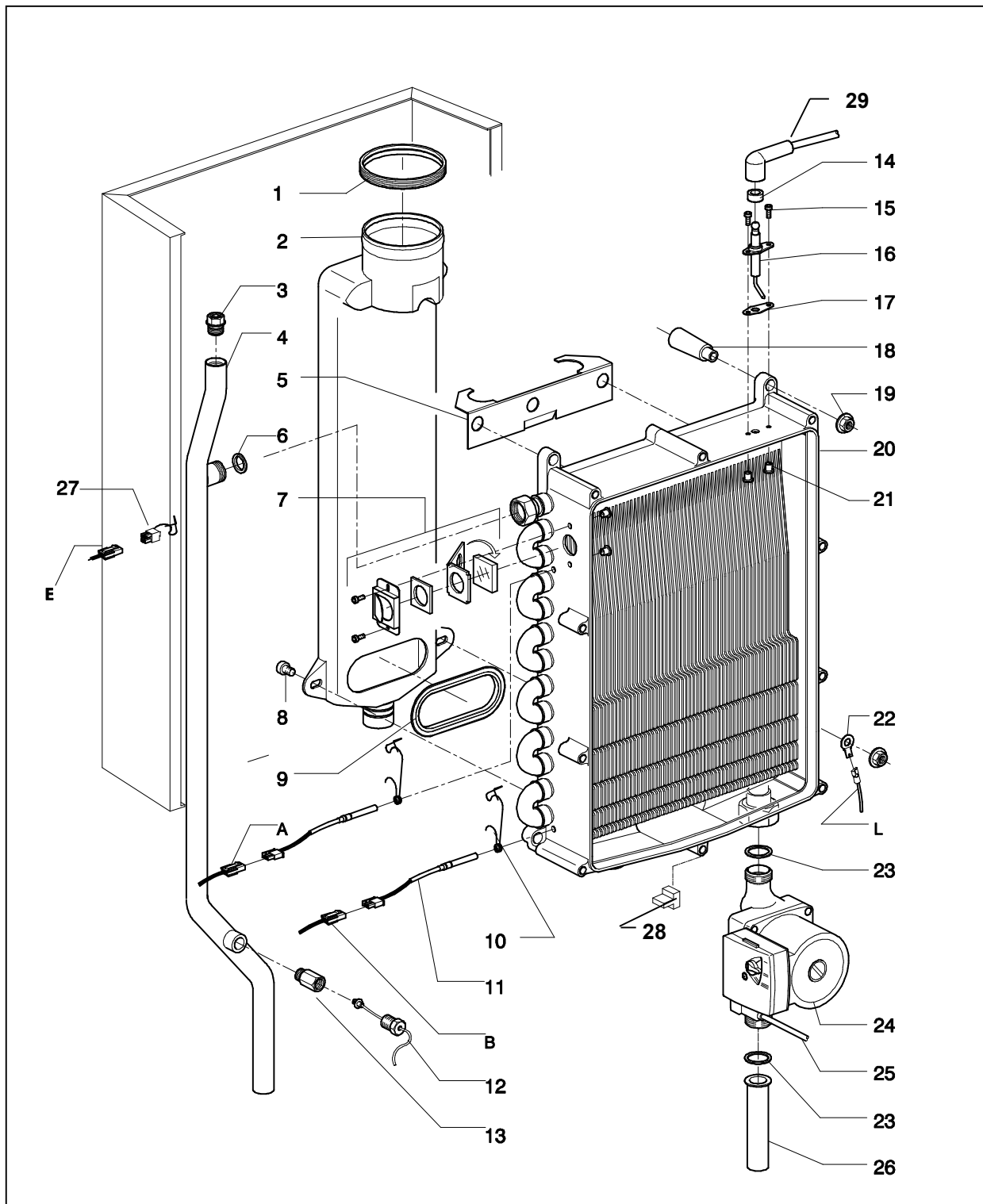


ITEM	PART NO.	DESCRIPTION	QTY.
1	390047	Plug U - 10	2
2	145308	Appliance mounting bracket	1
3	381017	Hexagon head wood screw, M8 x 45	2
4		15 mm compression coupling for domestic cold and hot water connections	2
5		22 mm compression coupling for heating supply and return connections	2
6		15 mm compression ring	2
7		22 mm compression ring	2
8		15 mm to ½ NPT nipple for domestic cold & hot water connections	2
9		22 mm to ¾ NPT nipple for domestic cold & hot water connections	2
10	873377	Clip for 22 mm to ¾ NPT nipple	2
11	873387	Clip for 15 mm to ½ NPT nipple	2



HSE Replacement Parts List

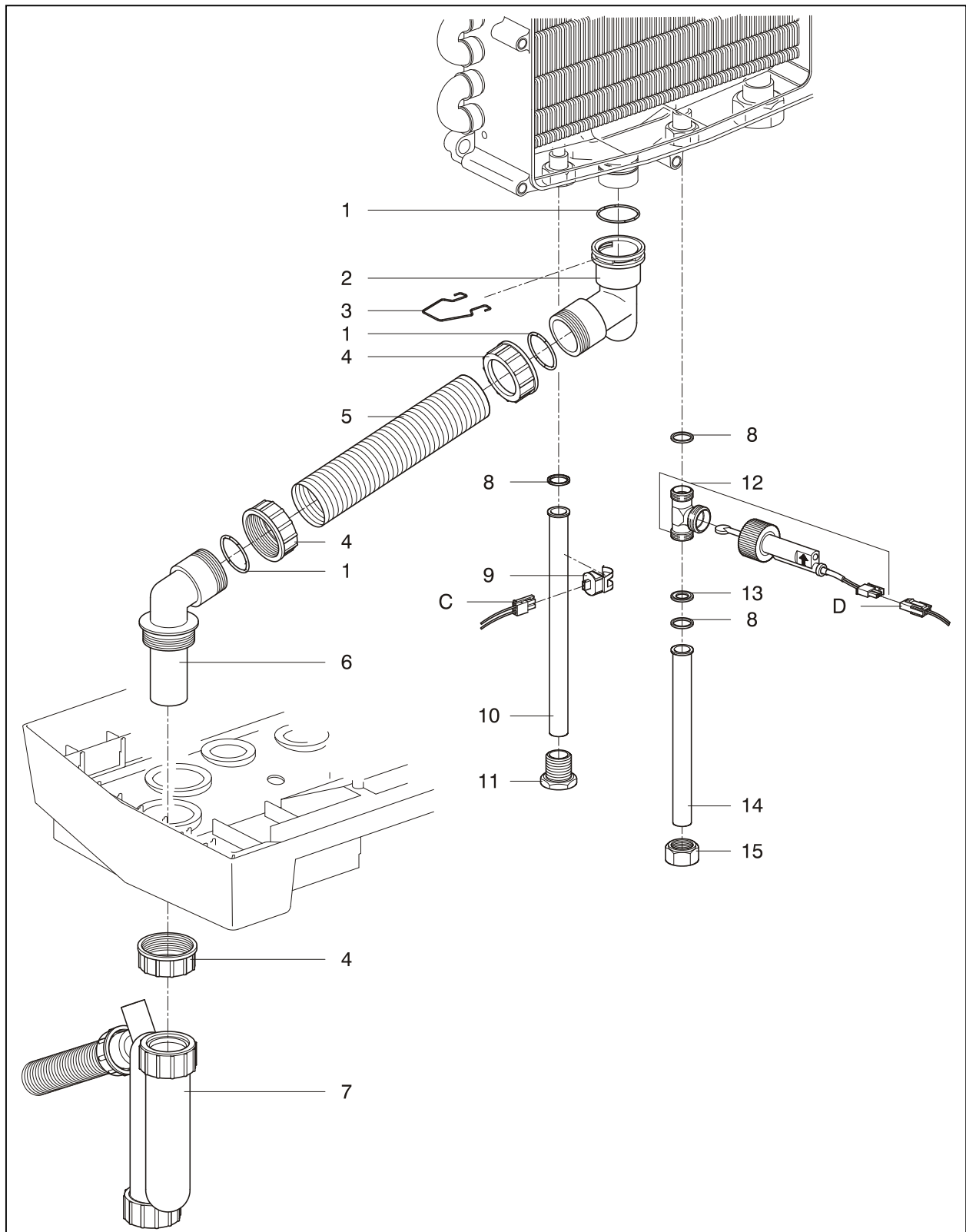
ITEM	PART NO.	DESCRIPTION	QTY.
1	878367	Gasket ring for sealing flue tube, 116 - 110	1
2	878387	Gasket ring for sealing air inlet tube	2
3	878067	Rubber grommet for sealing air venter connector	1
4	876237	Gasket L=21.5	8
5	876927	Gasket for sealing rear top panel	2
6	145568	Rear casing	1
7	877917	Gasket for sealing rear casing	2
8	876197	Gasket for sealing bottom panel	1
9	844707	Base	1
10	362097	Screws for fixing base/case	few
11	878427	15 mm rubber grommet for sealing domestic cold water pipe (blue color)	1
12	878417	15 mm rubber grommet for sealing domestic hot water pipe (red color)	1
13	878467	22 mm rubber grommet for sealing heating return pipe (blue color)	1
14	878407	15 mm rubber grommet for sealing gas pipe (yellow color)	1
15	878437	22 mm rubber grommet for sealing heating supply pipe (red color)	1
16	490087	Air inlet opening sealing cap	2
17	362107	Screws for fixing top panel/case, 4.2 x 25	few
18	844717	Rear top panel	1
19	879167	Gasket for sealing rear and front top panels	1
20	876627	Rear casing insulation	1
21	878397	Spacer	4
22	844727	Front top panel	1
23	876637	Top panel insulation	1
24	873487	Spring Clip for front cover insulation	3
25	876657	Front cover insulation	1
26	390077	Nut clip for fixing front cover	2
27	145928	Front cover	1



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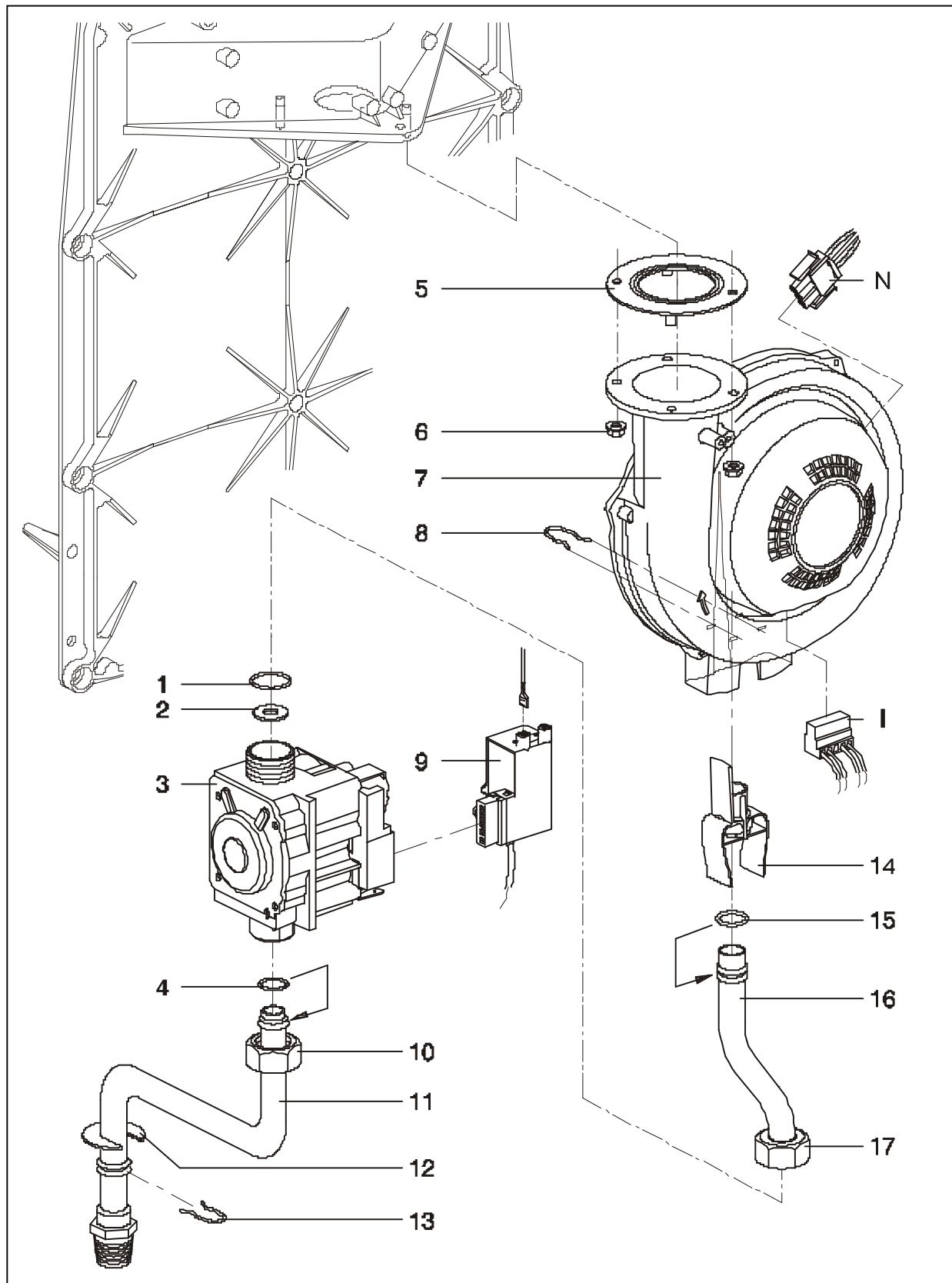
ITEM	PART NO.	DESCRIPTION	QTY.
1	878177	Gasket ring for sealing flue outlet, 80 mm	1
2	665277	Flue outlet chamber	1
3	843017	Manual air vent 3/8"	1
4	855287	Heating supply pipe	1
5	145697	Mounting bracket of flue outlet chamber	1
6	875517	Gasket for sealing heating supply outlet	1
7	081097	Inspection window set	
	305087	Allen bolt M4 x 8	2
	145637	Glass holder	1
	146147	Spacer	1
	876687	Glass gasket	1
	874097	Glass	1
8	305117	Allen bolt M8 x 12	2
9	877817	Gasket of flue outlet chamber	1
10	873337	Spring clip for NTC 1 and NTC 2	2
11	200117	NTC 1 and NTC 2 temperature sensors	2
12	864037	Connector of pressure gage	1
13	864047	Gasket and nipple for pressure gage connection	1
14	875867	(obsolete)	2
15	305097	Allen bolt M4 x 8	2
16	209327	Spark Electrode	1
17	875677	Ignition probe gasket	1
18	878397	Spacer	4
19	313047	Nut M8 self-locking	4
20	145907	Heat exchanger	1
21	319047	Insert nut M4	4
22	231107	Grounding terminal	1
23	875567	O-ring pump gasket, 1"	2
24	210257	CH Pump, 1"	1
25	221417	CH Pump cable	1
26	854177	Heating return pipe	1
27	200187	High Limit Sensor – S7	1
28	200207	Flue Gas Sensor – S8	1
29	074607	Ignition cable	1

A,B,E		See section 9: Item 4 of Wiring Harness – A,B & E plugs for NTC1, NTC2 & High Limit connections	
L		See section 9: Item 3 of Wiring Harness – L plug for grounding wiring connection	



HSE Replacement Parts List

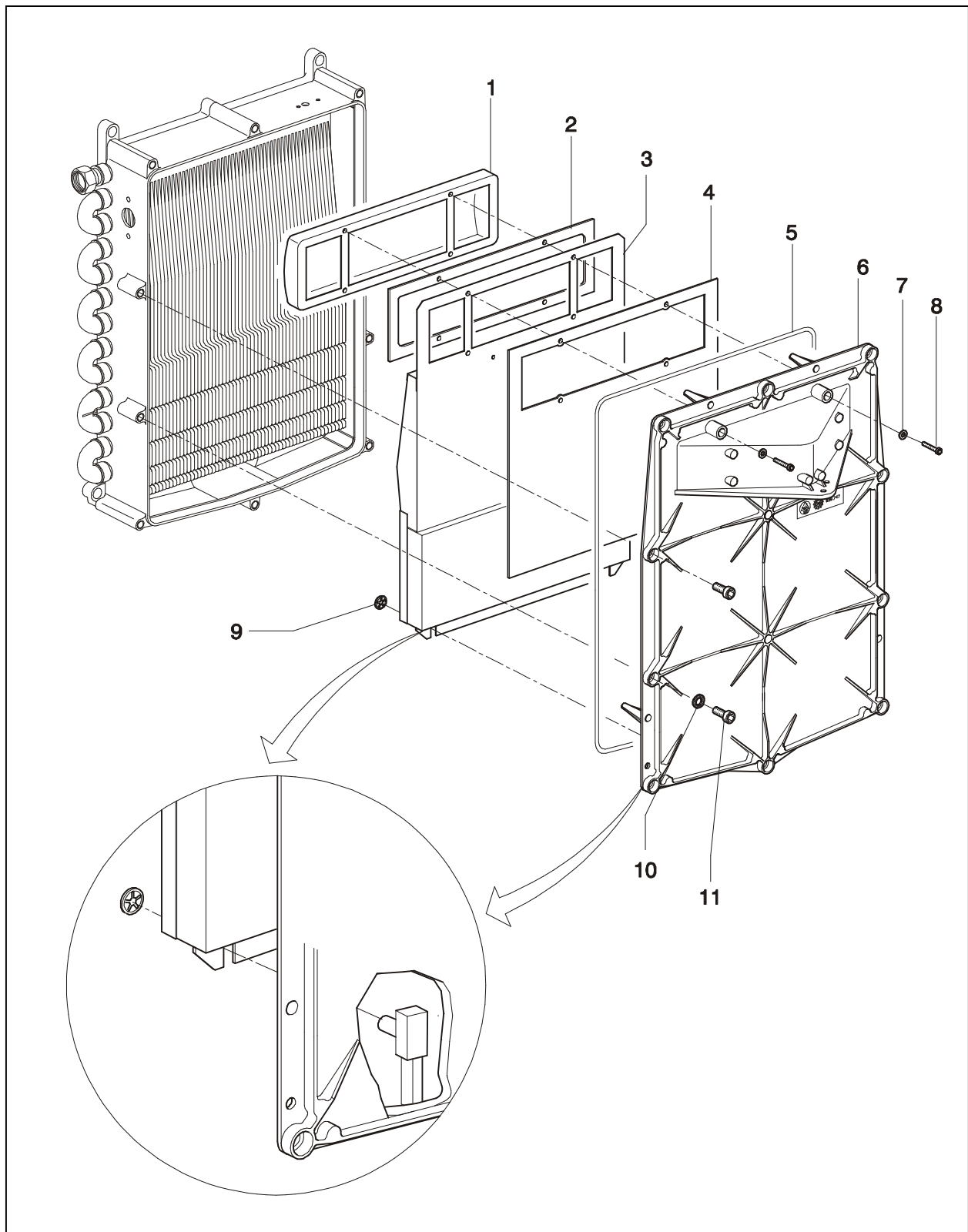
ITEM	PART NO.	DESCRIPTION	QTY.
1	875637	O-Ring 28, 25 x 2.62	3
2	844507	Flue condensate outlet coupling	1
3	873407	Spring clip for condensate drain	1
4	844527	Tube nut of condensate drain	3
5	594127	Ribbed hose used for condensate drain	1
6	844517	Coupling for condensate trap	1
7	844047	Condensate trap unit for HSE-125	1
	844197	Condensate trap unit for HSE-145	
8	875617	VITON O-ring, black	3
9	200177	NTC 3 temperature sensor for domestic hot water supply	1
10	856287	Domestic hot water supply pipe	1
11		Domestic hot water connecting nut	1
12	844267	DHW Flow switch, Sika VKX	1
13	829287	Water flow orifice plate	1
14	856297	Domestic cold water inlet pipe	1
15		Swivel nut 1/2"	1
C, D		See section 9: Item 4 of Wiring Harness – C & D plugs for flow switch & NTC3 wiring connections	



HSE Replacement Parts List

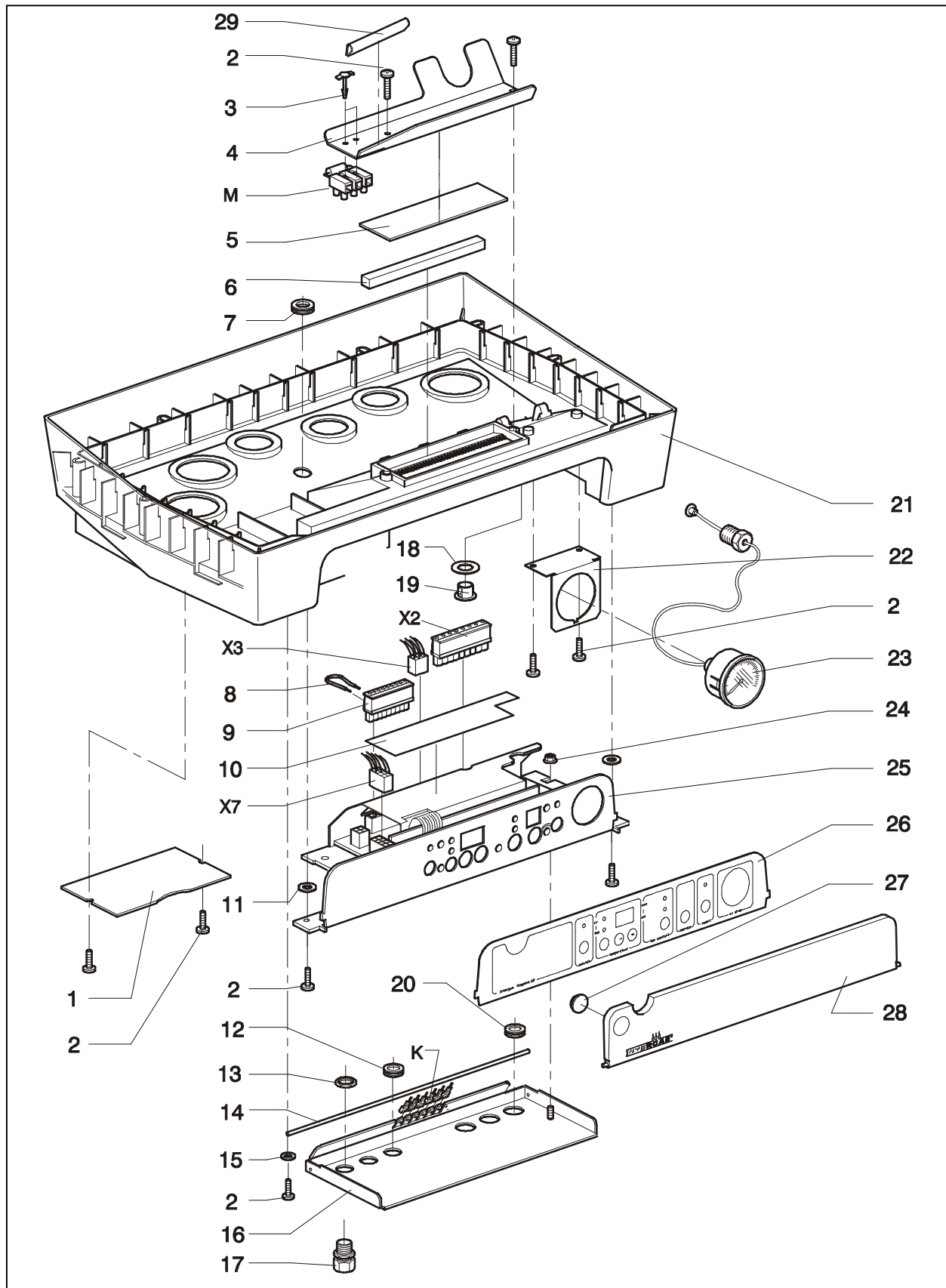
ITEM	PART NO.	DESCRIPTION	QTY.
1	875827	O-ring $\Phi 19 \times 2$	1
2	829497 829637	Gas orifice ring, no.725 for natural gas, no.580 for propane	1
3	801517	Gas valve	1
4	875757	Gasket flat 21.5/15.5	1
5	877807	Blower gasket	1
6	312027	Blower fixing nut M5 with milled edge	2
7	074527	Blower 110V	1
8	873027	Spring clip	1
9	801507	Ignition module 110V	1
10/17	826067	Gas pipe nut $\frac{3}{4}$ " , $\Phi 19$ mm, connect with gas valve	2
11	854857	Gas supply pipe	1
12		U Clip	1
13		Spring clip	1
14	829527	Venturi AIT restrictor (Model no. 362)	1
15	875737	O-ring $\Phi 15 \times 2$ nbr 70sh	1
16	854677	Gas valve inlet pipe	1

I		See section 9: Item 2 of Wiring Harness – I plug for Blower wiring connection	
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HSE Replacement Parts List

ITEM	PART NO.	DESCRIPTION	QTY.
1	800327	Burner surface, stainless steel	1
2	877847	Burner gasket	1
3	909427	Insulation plate	1
4	876607	Heat exchanger front cover gasket/insulation section	1
5	876597	Heat exchanger front cover gasket ring (always replace after cover opened)	1
6	859767	Heat exchanger front cover	1
7	323037	Washer for burner mounting bolt	4
8	305127	Burner mounting Allen bolt M4x20, stainless steel	4
9	390087	Starlock washer 4 mm, stainless steel	2
10	334007	Tooth lock washer M8	10
11	305027	Imbusbout M8x40 with dri-loc	10



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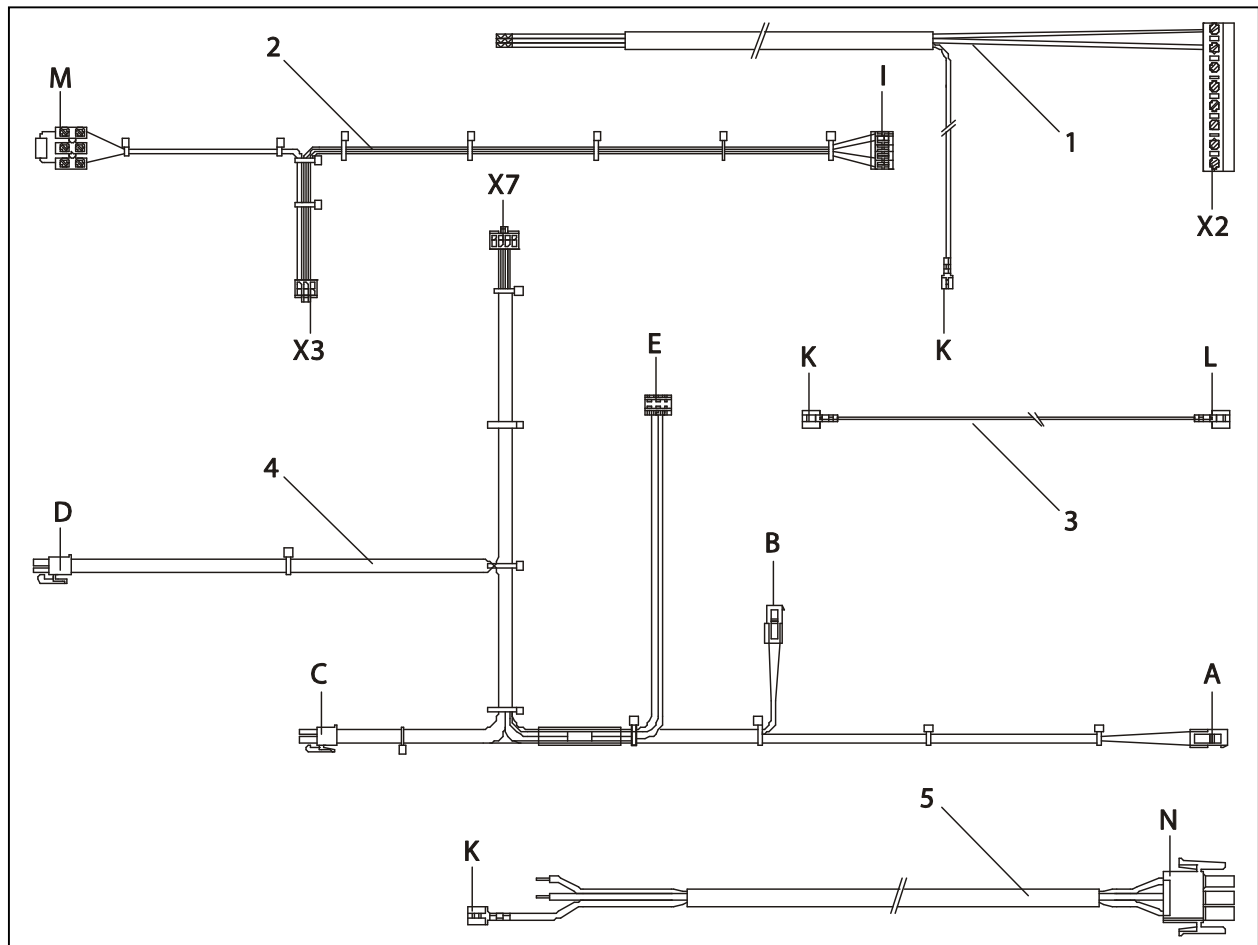
ITEM	PART NO.	DESCRIPTION	QTY.
1	145538	Storage tray cover plate	1
2	362117	Cover plate fixing screw	10
3	240337	Connector attachment	2
4	146438	Locking plate cable duct	1
5	876227	Cable duct locking plate cover, (base tray)	1
6	876217	Cable duct cover profile	1
7	878467	Grommet blind	1
8	230687	Interconnector yellow	1
9	260427	Connector 9-pole 5mm 24V	1
10	887967	Sticker (wiring)	1
11	320057	Plastic ring M2.5	2
12	878467	Tulle blind	2
13	260017	Nut PG7	1
14	872097	Hinge pin L=237	1
15	321007	Washer M4	2
16	146358	Fastening plate + display	1
17	260027	Swivel PG7	1
18	876207	Drainage plug felt ring	1
19	866147	Drainage plug	1
20	878347	Grommet blind 15mm	2
		B.X cable connector, (not shown)	1
21	844707	Base tray metallic	1
22	145557	Pressure gage mounting plate	1
23	864117	Pressure gage CH	1
24	312027	Flanged nut M5 with milled edge	1
25	074537 074657	Appliance control unit – HSE-125 Appliance control unit – HSE-145	1
26	888337	Control display panel	1
27	872117	Display cover magnet	1
28	844587	Display cover	1
29	-	N/A	-

K, X2		See section 9: Item 1 of Wiring Harness – K & X2 plugs for controller wiring connections	
M, X3		See section 9: Item 2 of Wiring Harness – M & X3 plugs for controller wiring connections	
X7		See section 9: Item 4 of Wiring Harness – X7 plug for controller wiring connection	

HSE Replacement Parts List

Control Wiring Harnesses

Section 9



ITEM	PART NO.	DESCRIPTION	QTY.
1	221617	Pump harness	1
2	221597	Blower harness	1
3	221627	Grounding wire	1
4	221567	NTC harness	1
5	221557	Blower line voltage wire	1
-	230707	USB diagnostics cable	1