

# Table of Contents

## Part Number Index

PART NUMBER	MANUFACTURER	Page	PART NUMBER	MANUFACTURER	Page
<b>1</b>			J999MDA-2	PEN BASO	8
10-021	ROBERTSHAW	5	J999MHA-2	PEN BASO	8
10-038	ROBERTSHAW	10	J999MKA-2	PEN BASO	8
10-043	ROBERTSHAW	1	J999MYA-2	PEN BASO	8
10-066	ROBERTSHAW	1	<b>K</b>		
10-066	ROBERTSHAW	5	K15DS-18	PEN BASO	11
10-067	ROBERTSHAW	5	K15DS-24	PEN BASO	11
10-114	ROBERTSHAW	5	K15DS-30	PEN BASO	11
10-210	ROBERTSHAW	5	K15DS-36	PEN BASO	11
10-227	ROBERTSHAW	9	K15WS-48	PEN BASO	11
10-383	ROBERTSHAW	9	K16BT-18	PEN BASO	11
10-760	ROBERTSHAW	9	K16BT-24	PEN BASO	11
1751-749	ROBERTSHAW	4	K16BT-36	PEN BASO	11
1800-100	ROBERTSHAW	3	K16FA-36	PEN BASO	12
1810-100	ROBERTSHAW	3	K16RA-36	PEN BASO	12
1819-001	ROBERTSHAW	7	K16RA-48	PEN BASO	12
1820-009	ROBERTSHAW	3	K16RA-60	PEN BASO	12
1830-001	ROBERTSHAW	3	K16RA-72	PEN BASO	12
1830-002	ROBERTSHAW	3	K16WT-48	PEN BASO	12
1830-003	ROBERTSHAW	3	K16WT-60	PEN BASO	12
1830-005	ROBERTSHAW	3	K16WT-72	PEN BASO	12
1830-110	ROBERTSHAW	3	K19AT-18	PEN BASO	12
1830-111	ROBERTSHAW	3	K19AT-24	PEN BASO	12
1830-115	ROBERTSHAW	3	K19AT-30	PEN BASO	12
1830-210	ROBERTSHAW	3	K19AT-36	PEN BASO	12
1830-489	ROBERTSHAW	3	K19AT-48	PEN BASO	12
1830-490	ROBERTSHAW	3	K19AT-60	PEN BASO	12
1830-491	ROBERTSHAW	3	K19AT-72	PEN BASO	12
1890-022	ROBERTSHAW	1	<b>Q</b>		
1890-023	ROBERTSHAW	1	Q313A1055	HONEYWELL	13
1890-024	ROBERTSHAW	1	Q313A1170	HONEYWELL	13
1950-001	ROBERTSHAW	14	Q314A4586	HONEYWELL	6
1950-002	ROBERTSHAW	14	Q314A6094	HONEYWELL	6
1950-003	ROBERTSHAW	14	Q314A6102	HONEYWELL	6
1950-532	ROBERTSHAW	14	Q340A1074	HONEYWELL	11
1951-001	ROBERTSHAW	14	Q340A1090	HONEYWELL	11
1951-536	ROBERTSHAW	14	Q345A1305	HONEYWELL	2
1960-027	ROBERTSHAW	12	Q345A1313	HONEYWELL	2
1970-018	ROBERTSHAW	12	<b>T</b>		
1970-036	ROBERTSHAW	12	T3.5-BZ001-24	DORMONT	2
1970-060	ROBERTSHAW	13	T4-KIT-24	DORMONT	7
1980-018	ROBERTSHAW	13	<b>Y</b>		
1980-024	ROBERTSHAW	13	Y90AA-3221	PEN BASO	5
1980-030	ROBERTSHAW	13	Y90AA-3223	PEN BASO	5
1980-036	ROBERTSHAW	13	Y90AA-3225	PEN BASO	5
1980-048	ROBERTSHAW	13	Y90AA-4210	PEN BASO	5
<b>3</b>			Y90AA-4211	PEN BASO	5
390686-1	HONEYWELL	4	Y99AN-1	PEN BASO	10
390686-4	HONEYWELL	4			
<b>4</b>					
40-973	ROBERTSHAW	6			
<b>J</b>					
J992MDA-2	PEN BASO	8			
J993MDA-2	PEN BASO	8			
J994MDA-2	PEN BASO	8			
J995MDA-2	PEN BASO	8			
J997MDA-2	PEN BASO	8			
J998MDA-2	PEN BASO	8			

## Table of Contents

### Categorized Listing

<b>THERMOCOUPLES AND PILOTS</b>	<b>1</b>
COMMERCIAL	1
KIT	1
ORIFICE	1
PILOTS	2
ELECTRONIC IGNITION	2
KIT	2
MOUNTING KIT	4
ORIFICE	4
PILOT BURNERS	6
PILOT RESTRICTOR	6
PILOT TUBE	7
QUICK DROP OUT	7
STANDING PILOT	8
ACCESSORIES	9
THERMOCOUPLE	10
ACCESSORIES	10
THERMOCOUPLE	11
THERMOPILE	13

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## THERMOCOUPLES AND PILOTS

### COMMERCIAL KIT

USE WITH A CAPILLARY TYPE SAFETY.

PART NUMBER	SIZE	TYPE OF GAS
1890-022	1/4" & 3/16"	LP/NAT
1890-023	1/4" & 3/16"	LP/NAT
1890-024	1/4" & 3/16"	LP/NAT

### ORIFICE



PART NUMBER	SIZE	DETAIL
10-043	UNIVERSAL	FOR 1898 PILOTS
10-066	FOR NATURAL GAS	FOR 1898 PILOTS

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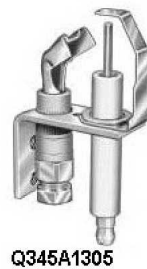
### PILOTS

### ELECTRONIC IGNITION

# Honeywell



Q345A1313



Q345A1305

PART NUMBER	SIZE	COMMENT	NOTES	DETAIL
Q345A1305	BCR-18 .018" ORIFICE	SINGLE TIP "L" STYLE; STRAIGHT TIP DIRECTION	"B" MOUNTING BRACKET; SINGLE TIP; FRONT TIP; INCL CONV TO "A" MOUNT	COMBINATION PILOT BURNER/IGNITOR; USE WITH: S86, S860, S8610, S8670
Q345A1313	BCR-18 .018" ORIFICE	SINGLE TIP STYLE; "L" LEFT TIP DIRECTION	"B" MOUNTING BRACKET; INCL CONV TO "A" MOUNT	1/4" COMP FITTING; .78" COMP LENGTH

### KIT



PART NUMBER	SIZE	DETAIL
T3.5-BZ001-24	3/16" X 24"	COMMERCIAL HEAD



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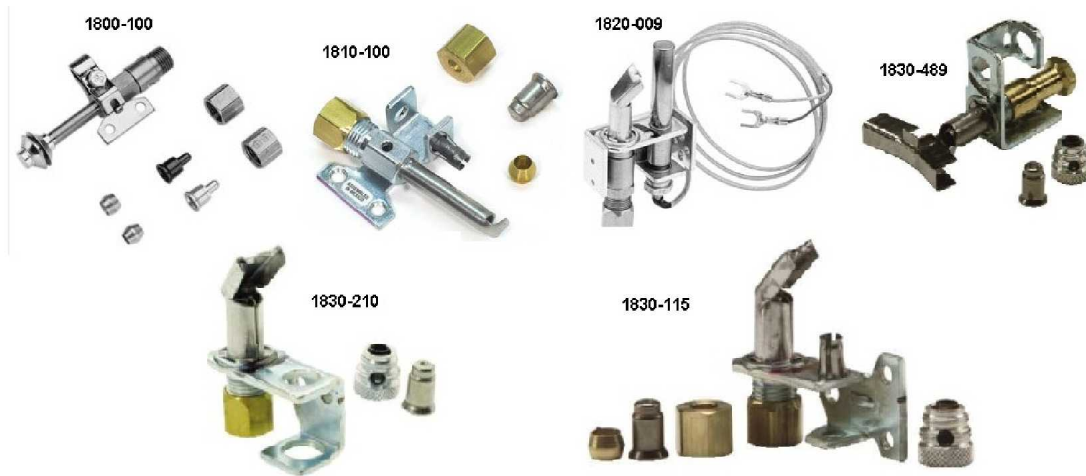
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## THERMOCOUPLES AND PILOTS

### PILOTS KIT

*Robertshaw.*



PART NUMBER	SIZE	TYPE OF GAS	DETAIL
1800-100	1/4" & 3/16"	LP/NAT	REPLACES 9B; 4 PORTED
1810-100	1/4" & 3/16" STANDARD	LP/NAT	REPLACES OBSOLETE 2B/2BLC
1820-009	1/4"	LP/NAT	REPLACES PG9; 90' RIGHT
1830-001	1/4" STANDARD	LP/NAT	HOOD 2, BRACKET 6
1830-002	1/4"	LP/NAT	HOOD 5, BRACKET 6; 90' LEFT
1830-003	1/4"	LP/NAT	HOOD 5, BRACKET 6; 90' RIGHT
1830-005	1/4"	LP/NAT	HOOD 4, BRACKET 6; 3 WAY
1830-110	1/4" STANDARD	LP/NAT	HOOD 2, BRACKET 1
1830-111	1/4" 25' LEFT	LP/NAT	HOOD 2, BRACKET 1
1830-115	3/16" STANDARD	LP/NAT	HOOD 2, BRACKET 10
1830-210	1/4" STANDARD	LP/NAT	HOOD 2, BRACKET 2
1830-489	1/4"	LP/NAT	HOOD 6, BRACKET 6; 3 WAY (B)
1830-490	1/4"	LP/NAT	HOOD 6, BRACKET 6; 3 WAY (B)
1830-491	1/4"	LP/NAT	HOOD 6, BRACKET 6; 3 WAY (B)

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## THERMOCOUPLES AND PILOTS

### PILOTS MOUNTING KIT



PART NUMBER	SIZE	DETAIL
1751-749	72" LEAD	IGNITOR/SENSOR ASSM, MOUNTING BRACKET & HARDWARE

### ORIFICE

CONTROLS FLOW OF GAS TO PILOT BURNER.

**Honeywell**



PART NUMBER	SIZE
390686-1	.010 ORIFICE
390686-4	.018 ORIFICE

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### PILOTS ORIFICE



PART NUMBER	SIZE	TYPE OF GAS	COMMENT
Y90AA-3221	.021 ORIFICE	NAT	USE WITH BASO PILOT BURNERS
Y90AA-3223	.023 ORIFICE	NAT	USE WITH BASO PILOT BURNERS
Y90AA-3225	.025 ORIFICE	NAT	USE WITH BASO PILOT BURNERS
Y90AA-4210	.010 ORIFICE	LP/NAT	USE WITH BASO PILOT BURNERS
Y90AA-4211	.011 ORIFICE	LP/NAT	USE WITH BASO PILOT BURNERS

*Robertshaw.*



PART NUMBER	SIZE	TYPE OF GAS	DETAIL
10-021	1/4" TUBE SIZE; .018	NAT	FOR 1820/1830 PILOTS
10-066	3/16" TUBE SIZE; .018	NAT	FOR 1890 SERIES PILOTS
10-067	3/16" TUBE SIZE; .010	LP	FOR 1890 SERIES PILOTS
10-114	1/4" TUBE SIZE; .010	LP	FOR 1820/1830 PILOTS
10-210	1/4" TUBE SIZE; .016	LP	

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## THERMOCOUPLES AND PILOTS

### PILOTS

### PILOT BURNERS

# Honeywell



Q314A4586



Q314A6094



Q314A6102

PART NUMBER	SIZE	COMMENT	NOTES	DETAIL
Q314A4586	BBR-10 .010"; BCR-18 .018" ORIFICE	1/4" COMP FITTING; "B" MOUNTING BRACKET	INCL: CONV TO MOUNT "A"; SINGLE TIP; TIP FRONT "F"	FOR MAIN BURNER IGNITION
Q314A6094	BBR-10 (.018 IN), BCR-18 (.018 IN) ORIFICE	1/4" COMPRESSION FITTING; MOUNTING BRACKET "B"	SINGLE TIP; FRONT TIP "LEFT"; INCL CONV TO "A" MOUNT	FOR MAIN BURNER IGNITION
Q314A6102	BBR-10 .010"; BCR-18 .018" ORIFICE	COMP FITTING 1/4"; MOUNTING BRACKET "B"; SINGLE TIP	FRONT TIP RIGHT "K"; INCL CONV TO "A" MOUNT	FOR MAIN BURNER IGNITION

### PILOT RESTRICTOR

# Robertshaw



PART NUMBER	SIZE	DETAIL
40-973	1/8" MPT X 3/16"	COMPRESSION





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## THERMOCOUPLES AND PILOTS

### PILOTS PILOT TUBE



PART NUMBER	SIZE	DETAIL
T4-KIT-24	1/4" X 24"	INCL 1 BREAKAWAY, 2 FERRULES, 2 NUTS

### QUICK DROP OUT



PART NUMBER	SIZE	NOTES	DETAIL
1819-001	18" LEADS	2 LEAD 24" LEADS, ELECTRODES 18"	HOOD 4; LO-MASS O.D.S.

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## THERMOCOUPLES AND PILOTS

### PILOTS

### STANDING PILOT

See CHARTS section for tip positions



PART NUMBER	TYPE OF GAS	COMMENT	NOTES	DETAIL
J992MDA-2	LP/NAT	TIP POSITION 2	NAT ORIFICE: Y90AA03223; LP: Y09AA4213	UNIVERSAL REPLACEMENT PILOT BURNER
J993MDA-2	LP/NAT	TIP POSITION 3	NAT ORIFICE: Y90AA-3223; LP: Y90AA-4212	UNIVERSAL REPLACEMENT PILOT BURNER
J994MDA-2	LP/NAT	TIP POSITION 4	NAT ORIFICE: Y90AA-3225; LP: Y90AA-4214	UNIVERSAL REPLACEMENT PILOT BURNER
J995MDA-2	LP/NAT	TIP POSITION 5	NAT ORIFICE: Y90AA-3221; LP: Y90AA-4211	UNIVERSAL REPLACEMENT PILOT BURNER
J997MDA-2	LP/NAT	TIP POSITION 7	NAT ORIFICE: Y90AA-3221; LP: Y90AA-4211	UNIVERSAL REPLACEMENT PILOT BURNER
J998MDA-2	LP/NAT	TIP POSITION 8	NAT ORIFICE: Y90AA-3223; LP: Y90AA-4212	UNIVERSAL REPLACEMENT PILOT BURNER
J999MDA-2	LP/NAT	TIP POSITION 9	NAT ORIFICE: Y90AA-3223; LP: Y90AA-4212	UNIVERSAL REPLACEMENT PILOT BURNER
J999MHA-2	LP/NAT	"L" CHANNEL PILOT	NAT ORIFICE: Y90AA-7223; LP: Y90AA-4211	UNIVERSAL REPLACEMENT PILOT BURNER
J999MKA-2	LP/NAT	SHELL PILOT	NAT ORIFICE: Y90AA-7221; LP: Y90AA-4210	UNIVERSAL REPLACEMENT PILOT BURNER
J999MYA-2	LP/NAT	"Y" CHANNEL PILOT	NAT ORIFICE: Y90AA-6221; LP: Y90AA-4211	UNIVERSAL REPLACEMENT PILOT BURNER

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## THERMOCOUPLES AND PILOTS

### PILOTS

### STANDING PILOT

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PART NUMBER	SIZE	DETAIL
10-383	3/16" X 24" PILOT TUBE	INCL COMPRESSION NUT AND FERRULE; BENDABLE

### ACCESSORIES



PART NUMBER	SIZE	NOTES	DETAIL
10-227	1/4" QUICK CONNECT TERMINAL		REPLACEMENT SENSOR
10-760	1/4" QUICK CONNECT TERMINAL	HIGH TEMP KANTHAL; CAN BE CUT, BENT	4" FLAME SENSOR; 1800' MAX

THERMOCOUPLES AND PILOTS

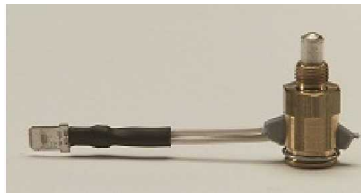
## THERMOCOUPLES AND PILOTS

### THERMOCOUPLE ACCESSORIES



PART NUMBER	COMMENT	DETAIL
Y99AN-1	FITS ANY JOHNSON CONTROLS THERMOCOUPLE	HIGH LIMIT ADAPTER

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PART NUMBER	DETAIL
10-038	TEST ADAPTOR

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## THERMOCOUPLES AND PILOTS

### THERMOCOUPLE

# Honeywell



PART NUMBER	SIZE	COMMENT	DETAIL
Q340A1074	24"	UNIVERSAL	INCL: ADAPTOR & PUSH IN CLIP
Q340A1090	36"	11/32 32 MALE CONNECTION NUT	INCL: ADAPTOR & PUSH IN CLIP



K15



K16



K19

PART NUMBER	SIZE	DETAIL
K15DS-18	18" STANDARD	
K15DS-24	24" STANDARD	
K15DS-30	30" STANDARD	
K15DS-36	36" STANDARD	
K15WS-48	48"	WITH ADDITIONAL FITTINGS
K16BT-18	18" HUSKY	
K16BT-24	24" HUSKY	
K16BT-36	36" HUSKY	

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## THERMOCOUPLES AND PILOTS

### THERMOCOUPLE



PART NUMBER	SIZE	DETAIL
K16FA-36	36" HUSKY	WITH JUNCTION BLOCK LEADS
K16RA-36	36"	NICKEL PLATED
K16RA-48	48"	NICKEL PLATED
K16RA-60	60" HUSKY	NICKEL PLATED
K16RA-72	72" HUSKY	NICKEL PLATED
K16WT-48	48" HUSKY	WITH ADDITIONAL FITTINGS
K16WT-60	60"	WITH ADDITIONAL FITTINGS
K16WT-72	72" HUSKY	WITH ADDITIONAL FITTINGS
K19AT-18	18" SUPER SLIM JIM	UNIVERSAL; USE WITH AUTOMATIC PILOT VALVES
K19AT-24	24" SUPER SLIM JIM	UNIVERSAL; USE WITH AUTOMATIC PILOT VALVES
K19AT-30	30" SUPER SLIM JIM	UNIVERSAL; USE WITH AUTOMATIC PILOT VALVES
K19AT-36	36" SUPER SLIM JIM	UNIVERSAL; USE WITH AUTOMATIC PILOT VALVES
K19AT-48	48" SUPER SLIM JIM	UNIVERSAL; USE WITH AUTOMATIC PILOT VALVES
K19AT-60	60" SUPER SLIM JIM	UNIVERSAL; USE WITH AUTOMATIC PILOT VALVES
K19AT-72	72" SUPER SLIM JIM	UNIVERSAL; USE WITH AUTOMATIC PILOT VALVES

THERMOCOUPLES AND PILOTS

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PART NUMBER	SIZE	DETAIL
1960-027	27"	LOW MASS, QUICK DROPOUT; STANDARD THREAD
1970-018	18"	UNICOUPLE
1970-036	36"	UNICOUPLE



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### THERMOCOUPLE

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PART NUMBER	SIZE	DETAIL
1970-060	24"	UNICOUPLE
1980-018	18"	SNAPFIT
1980-024	24"	SNAPFIT
1980-030	30"	SNAPFIT
1980-036	36"	SNAPFIT
1980-048	48"	SNAPFIT

### THERMOPILE

**Honeywell**



Q313A1055

PART NUMBER	COMMENT	DETAIL
Q313A1055	INCL: 1/2" THERMOPILE ATTACHING NUT	47" LEADS; 2.90 OHMS RESISTANCE
Q313A1170	INCL: PG9 ADAPTOR & 1/2" THERMOPILE ATTACHING NUT	35" LEADS; 2.89 OHMS RESISTANCE

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## THERMOCOUPLES AND PILOTS

### THERMOCOUPLE THERMOPILE

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1950



1951

PART NUMBER	SIZE	DETAIL
1950-001	36"	INCL: PG9 PILOT ADAPTOR; 2 LEAD
1950-002	48"	INCL: PG9 PILOT ADAPTOR; 2 LEAD
1950-003	60"	INCL: PG9 PILOT ADAPTOR; 2 LEAD
1950-532	36"	2 LEAD
1951-001	36"	INCL: PG9 PILOT ADAPTOR; COAXIAL
1951-536	36"	COAXIAL

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