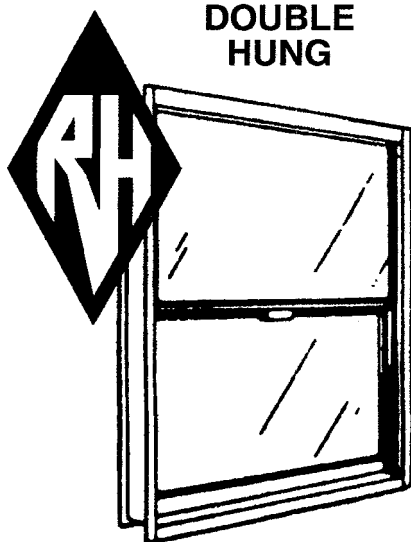


HUNG WINDOWS



DOUBLE HUNG

There are many different types of balances and balance systems.

We have tried to make the ordering of balances as easy as possible. The two basic types of balances are:

SPIRAL	<i>Also known as Tube</i>	Section A
BLOCK & TACKLE	<i>Also known as Channel</i>	Section B

The following pages show balances and accessories necessary to repair hung windows.

The purpose of the balance is to hold the vent (sash) in the desired position when raised. Vents always have balances on both sides.

We recommend that balances be replaced in pairs along with the accessories to restore the vent to almost new operation.

Most balances are integrated into the window by means of various guides, depending on the window manufacturer's design. These come in metal, plastic or a combination of both. Guides are sold separately. When these parts are damaged or missing, this can greatly affect the performance of the window.

IF YOU CANNOT IDENTIFY YOUR BALANCE FROM THE DIAGRAMS, SEND COMPLETE UNIT FOR QUOTATION.

Some spiral balances have a "color coded" nylon bearing. The color will be white, gray, blue, red, black or green. Sometimes the color fades with time. The code has changed over the years and with different manufacturers, but will be helpful in identifying your balance.

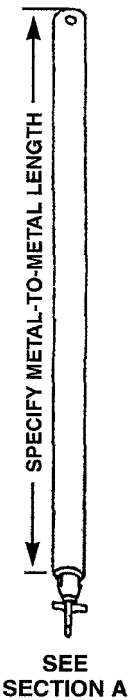
Balances are engineered and produced to specific weight specifications.

We ask that you take a little extra time to be certain the part you order is the correct part. Many parts look almost identical.

Call our Customer Service Department for help with any of your questions.

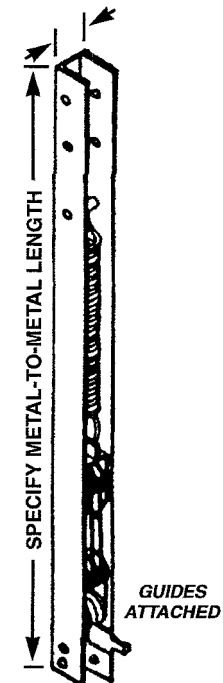
WE'RE #1 IN SERVICE

3/8" & 5/8"
NON-TILT
FOR TILT
SEE 2A8



SEE SECTION A

SPECIFY
3/8"- 1/2"- 5/8"



NON-TILT
FOR TILT
SEE 2B16

HUNG WINDOW SYSTEMS

**#1
IN
SERVICE**



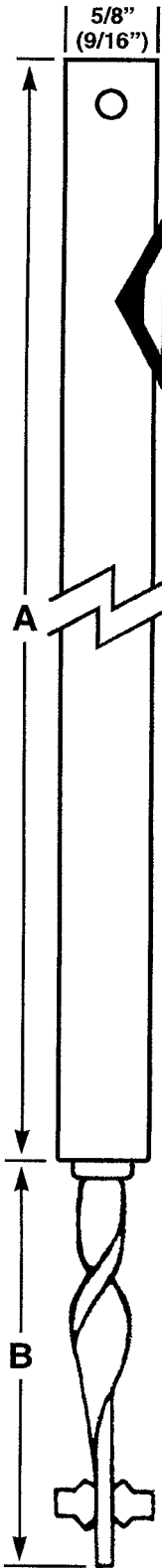
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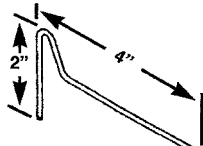
2A1
SECTION A
REV. 4/02

HUNG WINDOW SYSTEMS

5/8" SPIRAL (TUBE) NON-TILT BALANCES
FOR TILT SEE PAGE 2A8



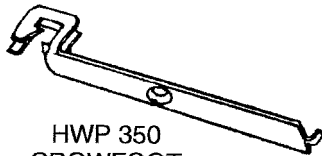
HWP 15
BALANCE
CAP



HWP 193
WIRE WINDER



HWP 194
DELUXE
BALANCE ADJUSTING
TOOL



HWP 350
CROWFOOT



HWP 103
BALANCE
FOOT
7/8"

*Twist on rod may
or may not extend to pin.*

	"B"	
HWB-BC	5/8"	Standard
HWB-N	2"	Special Order
HWB-NC	1 5/8"	Special Order

**IDENTIFYING YOUR
SPIRAL (TUBE) BALANCE**

Determine your balance type by comparing your balance to the types shown. Measure the rod extension (Dimension B). Make sure the rod is all the way into the tube before measuring. Then measure the tube "metal-to-metal" length (Dimension A).

BALANCE TYPE _____
 EXTENSION _____
 TUBE LENGTH _____

To order your balance, choose the Code Letter for your balance.

EXAMPLE:

Type 5/8" Spiral w/Cross Pin	HWB
Measure Extension (5/8")	BC
Tube Length	28"

YOU WOULD ORDER: HWB-BC 28"

Balances are sold singly, but it is recommended that you replace them in pairs.

Many other balance types are available. If you cannot identify your balance from the diagrams, then send the complete unit for quotation.

These spiral balances are metal tube and tension to the right. See the following pages for various feet and accessories to complete your replacement needs.

**CHOOSE ACCESSORIES FROM
THE FOLLOWING PAGES**

WE'RE #1 IN SERVICE

IF IN DOUBT ON ANY PART -- SEND SAMPLE FOR IDENTIFICATION.
 WE ARE CONSTANTLY ADDING ADDITIONAL ITEMS TO SERVE YOU BETTER.



5/8" SPIRAL (TUBE) NON-TILT BALANCES

IDENTIFYING YOUR SPIRAL (TUBE) BALANCE

Determine your balance type by comparing it to the types shown. Measure the rod extension (Dimension B). Make sure the rod is all the way into the tube before measuring. Then measure the tube "metal-to-metal" length (Dimension A).

BALANCE TYPE _____
 EXTENSION _____
 TUBE LENGTH _____

To order your balance, choose the Code Letter.

EXAMPLE:

Type 5/8" Spiral Extended Tip HWB
 Measure Extension (1 5/8") MC
 Tube Length 23"

YOU WOULD ORDER: HWB-MC 23"

In some cases, windows utilizing spiral balances have a removable vent (sash). It is sometimes necessary to remove the vent when installing guides. If you need to remove the vent, and your window is this type of design, here are some helpful hints.

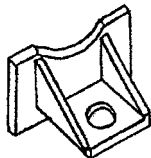
1. Raise vent to uppermost position. Prop it up securely.
2. Release the tension in the balance by unwinding the spiral rod. This may be accomplished by using a tensioning tool (HWP 193, 194) inserted in the eye on the rod.
3. Pull the spiral rod downward, gently twisting and moving the rod slightly until you feel it disengage from its mounting, foot or guide.
4. Pull the rod down slightly and let it slowly unwind until all tension has been released.
5. Repeat same procedure on opposite balance.
6. Remove stops located at top of vent. Remove balance mounting screw. Slide vent up and prop securely. Remove both balances.
7. Be careful, as the vent will feel much heavier without the aid of the tension of the balances.
8. Slide vent to one side and pull out.

Remember, there are many different balance systems. These instructions do not cover every system and are offered only as an aid in determining types of parts required.

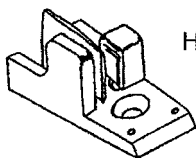
Balances are sold singly, but it is recommended that you replace them in pairs. Many other balance types are available. If you cannot identify your balance from the diagrams, send complete unit for quotation.



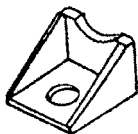
HWP 15
BALANCE
CAP



HWP 327
WARE



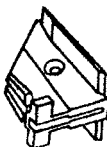
HWP 261
GUIDE



HWP 89
GUIDE



FAS 929
RIVET



HWP 77
AIRE LOK
FOOT

5/8" SPIRAL
EXTENDED TIP BLANKS
ROD EXTENSION

HWB-MC	1 5/8"
HWB-MD	2 5/8"
HWB-ME	3 5/8"

Choose accessories from
the following pages.

HUNG WINDOW SYSTEMS

**#1
IN
SERVICE**



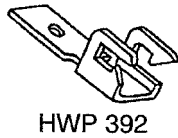
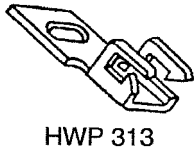
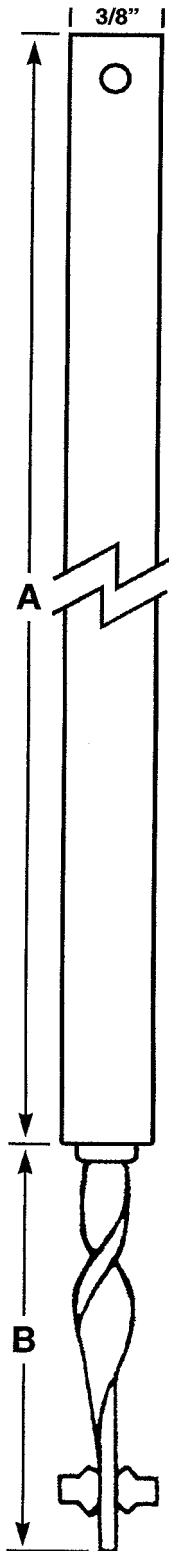
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2A3
SECTION A
REV. 4/02

3/8" SPIRAL (TUBE) NON-TILT BALANCES

HUNG WINDOW SYSTEMS



	"B"				
HWB-A	5/8"	Standard	HWB-CB	7/8"	Special Order
HWB-L	1 5/8"	Special Order	HWB-CC	1 7/8"	Standard

IDENTIFYING YOUR SPIRAL (TUBE) BALANCE

Determine your balance type by comparing it to the types shown. First measure the rod extension (Dimension B). Make sure the rod is all the way into the tube before measuring. Then measure the tube: metal-to-metal length (Dimension A).

BALANCE TYPE _____
EXTENSION _____
TUBE LENGTH _____

To order your balance, choose the Code Letter.

EXAMPLE:

Type 3/8" Spiral HWB
3/8" w/Cross Pin A
Tube Length 17"

YOU WOULD ORDER:
HWB-A 17"

Balances are sold singly, but it is recommended that you replace them in pairs.

Many other balance types are available. If you cannot identify your balance from the diagrams, send complete unit for quotation.

These spiral balances are metal tube and tension to the right. See the following pages for various feet and accessories to complete your replacement needs.



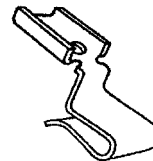
HWP 14
BALANCE
CAP



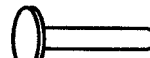
HWP 401
SPIRAL
BALANCE
CLIP



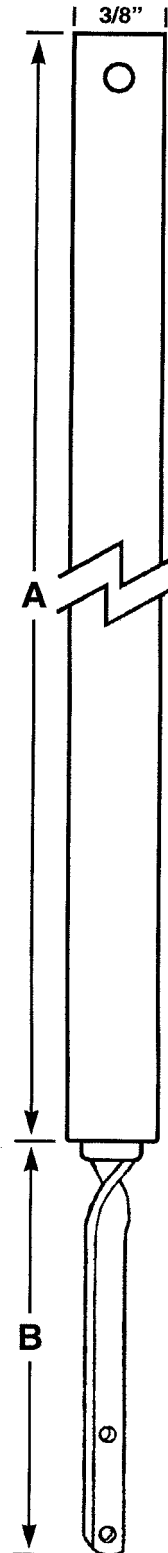
HWP 339
CAP



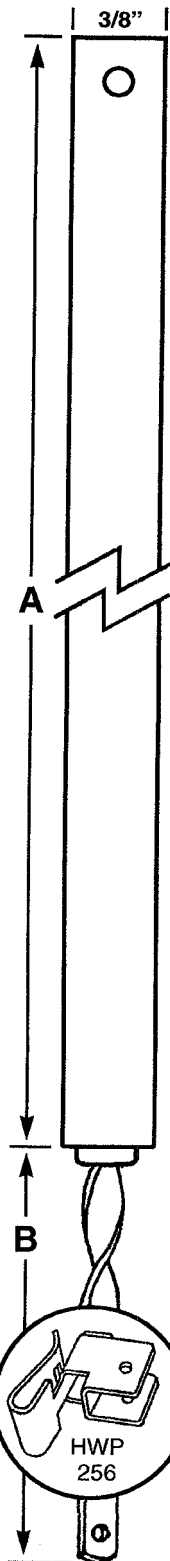
HWP 442
CLIP



FAS 996
RIVET



3/8" SPIRAL (TUBE) NON-TILT BALANCES WITH ENDS ATTACHED



**FOR TILT BALANCES
SEE PAGE 2A8**

IDENTIFYING YOUR SPIRAL (TUBE) BALANCE

Determine your balance type by comparing it to the types shown. First measure the rod extension (Dimension B). Make sure the rod is all the way into the tube before measuring. Then measure the tube: metal-to-metal length (Dimension A).

BALANCE TYPE _____
EXTENSION _____
TUBE LENGTH _____

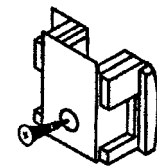
To order balance, choose the Code Letter for your balance.

Balances are sold singly, but it is recommended that you replace them in pairs.

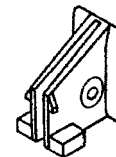
Many other balance types are available. If you cannot identify your balance from the diagrams, send the complete unit for quotation.

These spiral balances are metal tube and tension to the right. See the following pages for various feet and accessories to complete your replacement needs.

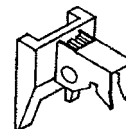
HWB-K "B" 1"
HWB-KS "B" 2"
W/HWP 256 ATTACHED



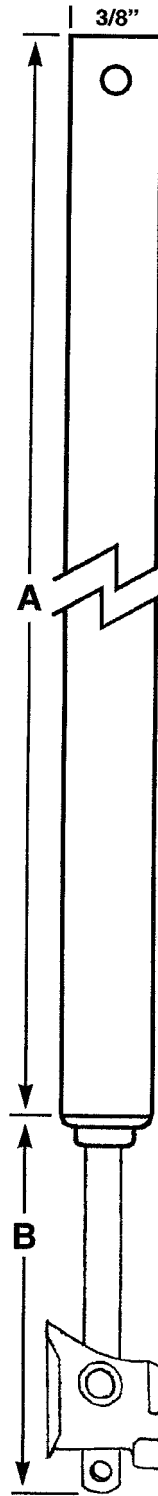
HWP 126
KELLER OLD
TOP GUIDE



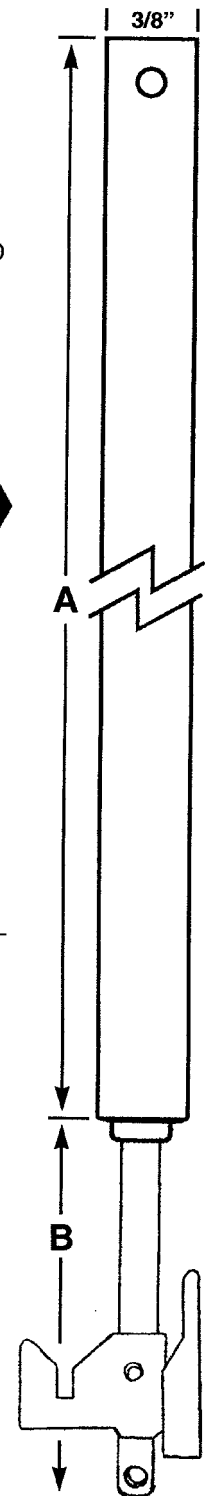
HWP 75
AIR CONTROL
BALANCE
FOOT



HWP 102
BALANCE
FOOT
LOCK



HWB-F
W/HWP 75 ATTACHED



HWB-R
W/HWP 102 ATTACHED

HUNG WINDOW SYSTEMS

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2A5
SECTION A
REV. 4/02

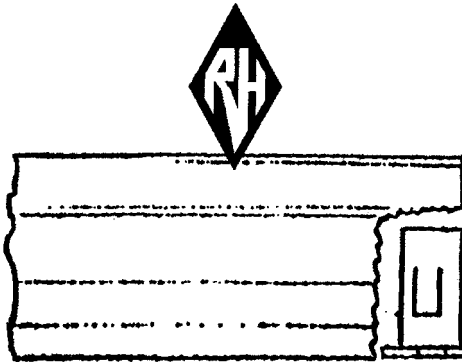
**UNIVERSAL REPLACEMENT BALANCE
CYCOLAC TUBE COVER**

SASH BALANCE
"A" DIAMETER

	A	
HWB-EE	3/8"	VINYL
HWB-FF	5/8"	VINYL



IF PART
REQUIRED
IS NOT
SHOWN,
SEND
SAMPLE
FOR
QUOTATION.



SIDE VIEW BOTTOM RAIL

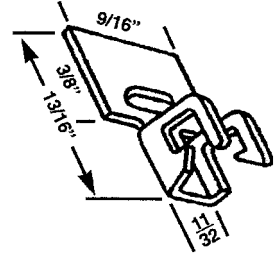
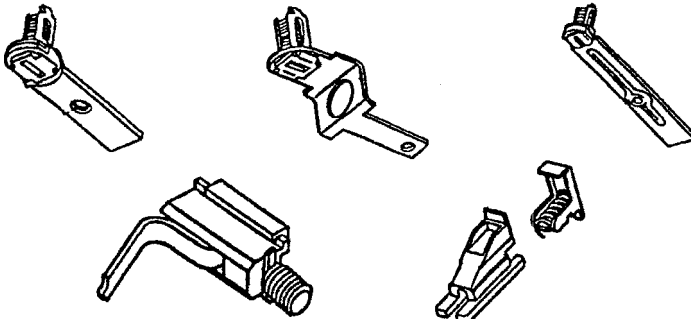
HWP 383
UNIVERSAL
BRACKET



HWP 194
ADJUSTING
TOOL

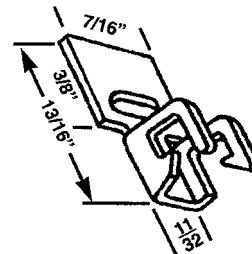
TURN
COUNTER
CLOCKWISE
TO
INCREASE
LIFTING
POWER,
CLOCKWISE
TO
DECREASE.

THE BRACKET ABOVE IS A REPLACEMENT
FOR BRACKETS SHOWN BELOW.

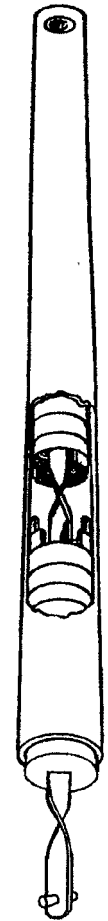


HWP 871
METAL
SASH
CLIP

HWB-ET
3/8"
HWB-FT
5/8"



HWP 872
METAL
SASH
CLIP



HWB-FG
3/8"
HWB-FH
5/8"

**#1
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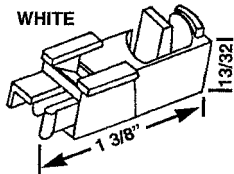
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2A15
SECTION A
REV. 2/03

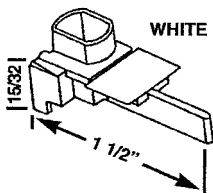
V.E. ANDERSON WINDOW

V.E. ANDERSON WINDOW

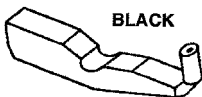
NEW STYLE



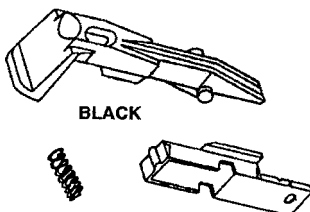
HWP 230
ANDERSON
BALANCE FOOT



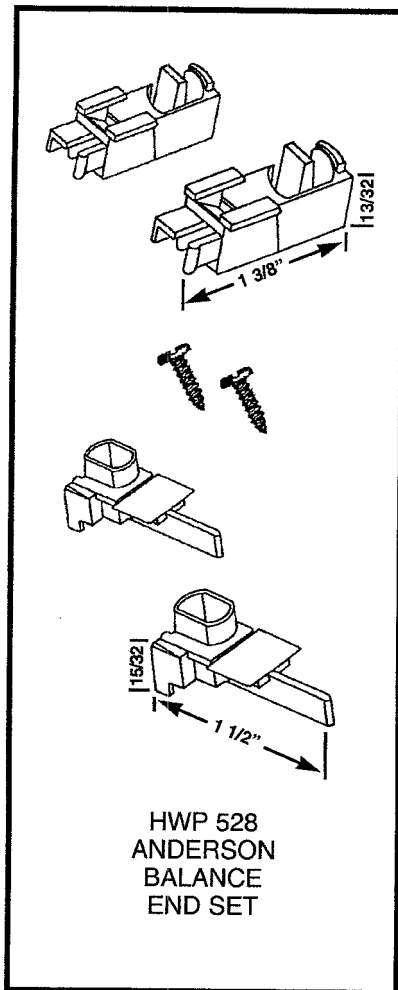
HWP 231
ANDERSON
GUIDE
NEW STYLE



HWP 454
ANDERSON
LOCK



HWP 258
ANDERSON
TOP GUIDE
TILT LATCH



HWP 528
ANDERSON
BALANCE
END SET



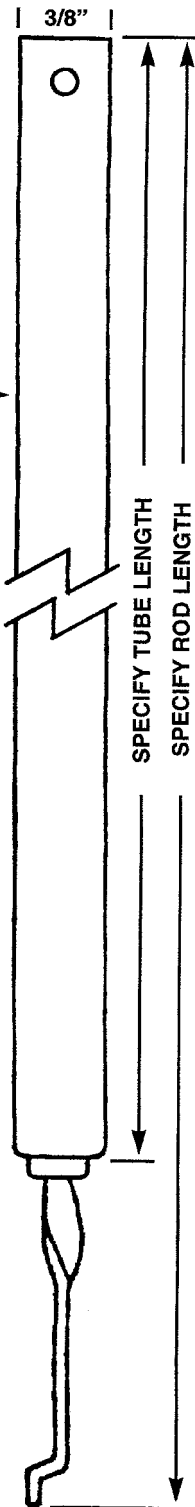
WGB 16
ANDERSON
1/4" GLASS



WGB 23
V.E. ANDERSON
BLACK



GRAY
CYCOLAC
TUBE
COVER



HWB-DD
ANDERSON
3/8"

IF IN DOUBT ON ANY PART -- SEND SAMPLE FOR IDENTIFICATION.
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2A16
SECTION A
REV. 2/03



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