

GENERATION 1 MADE UNTIL MID 2008

Bottom Cylinder Cover has a Foot On It
Top Cylinder Cover is Cut at A Slant

Replacement & Repair of Parts

Cylinders Must be Upgraded with RHGIZ-RETRO A33 Replacements
Bottom Bracket of Hold-Open Arm Upgrade with RETRO A33...
All Other Parts Still Available



Bottom

Top

GENERATION 2 MADE UNTIL APPROX 12/15/12

Bottom Cylinder Cover has no Foot, Has 2 Holes For Bolt
Top Cylinder Cover is Not Cut at A Slant & is Approx 1-1/4" Dia.

Replacement & Repair of Parts

Cylinders Must be Upgraded with RHGI-RETRO 1-4 Replacements
Bottom Bracket of Hold-Open Arm Upgrade with RETRO 1-4...
All Other Parts Still Available



Bottom

Top

GENERATION 3 APPROX 12/15/12 +

Bottom Cylinder Cover has no Foot, Has 2 Holes for Bolt
Top Cylinder Cover is Not Cut at a Slant & is Approx 1-1/2" Dia
Springs are Greased Before Insertion



Bottom

Top

NOTE: if GEN 1 OR 2 Hatch has been retrofitted with the new cylinder style, bottom hold-open bracket and Upper cylinder bracket, replacement parts will need to always be the same as the Retrofit Kit



REPLACEMENT AND SPARE PARTS FOR ROOF HATCHES			Net Price	30x36		54x30		96x30		36x36		48x48	
				RHA1	RHG-1	RHA-2	RHG-2	RHA-3	RHG-3	RHA-4	RHG-4	RHA-5	RHG-5
Part #	GEN	DESCRIPTION		QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
RHGI-RETRO-A388-1-GH	1	SHOCK RETROFIT KIT FOR GEN 1 Roof Hatch (1) shock & (1) arm bracket w/hardware.	KIT \$0.00	1	-	1	-	-	1	-	-	-	-
RHGI-RETRO-A388-2-GH	1	SHOCK RETROFIT KIT FOR GEN 1 Roof Hatch (2) shocks & (1) arm bracket w/hardware. (Order 1 extra arm bracket for 96x30)	KIT \$0.00	-	1	-	1	1	-	-	1	1	-
RHGI-RETRO-A388-3-GH	1	SHOCK RETROFIT KIT FOR GEN 1 Roof Hatch (3) shocks & arm bracket w/hardware.	KIT \$0.00	Custom Models Only									
RHGI-RETRO-A388-4-GH	1	SHOCK RETROFIT KIT FOR GEN 1 Roof Hatch (4) shocks & (2) arm brackets w/hardware.	KIT \$0.00	-	-	-	-	-	1	-	-	-	1
RHGI-RETRO-1-GH	2	SHOCK RETROFIT KIT FOR GEN 2 Roof Hatch (1) shock & (1) arm bracket w/hardware.	KIT \$0.00	1	-	1	-	-	-	1	-	-	-
RHGI-RETRO-2-GH	2	SHOCK RETROFIT KIT FOR GEN 2 Roof Hatch (2) shocks & (1) arm bracket w/hardware.(Order 1 extra arm bracket for 96x30)	KIT \$0.00	-	1	-	1	1	-	-	1	1	-
RHGI-RETRO-3-GH	2	SHOCK RETROFIT KIT FOR GEN 2 Roof Hatch (3) shocks & (1) arm bracket w/hardware.	KIT \$0.00	Custom Models Only									
RHGI-RETRO-4-GH	2	SHOCK RETROFIT KIT FOR GEN 2 Roof Hatch (4) shocks & (2) arm brackets w/hardware.	KIT \$0.00	-	-	-	-	-	1	-	-	-	1
RHGIZ-B004	3	SHOCK REPLACEMENT KIT FOR GEN 3 Roof Hatch (1) SHOCK W/HARDWARE	KIT \$0.00	1	-	1	-	-	-	1	-	-	-
RHGIZ-B002	3	SHOCK REPLACEMENT KIT FOR GEN 3 Roof Hatch (2) SHOCKS W/HARDWARE	KIT \$0.00	-	1	-	1	1	2	-	1	1	2

See Page 2 for Individual Items and Commonly Purchased Kits

REPLACEMENT AND SPARE PARTS FOR ROOF HATCHES			Net Price	30x36		54x30		96x30		36x36		48x48	
				RHA1	RHG-1	RHA-2	RHG-2	RHA-3	RHG-3	RHA-4	RHG-4	RHA-5	RHG-5
Part #	GEN	DESCRIPTION		QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
RHGIZ-A003	All	HOLD OPEN ARM KIT W/BRACKETS (note:if GEN 1 or 2 Retrofit Has Been Done,RHG-1049HT Arm Brackets Must Be Used)	KIT \$0.00	1	1	1	1	2	2	1	1	1	1
RHG-1049HT	1 & 2	LOWER BRACKET FOR HOLD OPEN ARM-RETROFIT MODEL (Use Only if Retrofit Has been Done)	EA \$0.00	1	1	1	1	2	2	1	1	2	2
RHGIZ-A108	All	HANDLES, INTERIOR & EXTERIOR (ANY MODEL)	KIT \$0.00	1	1	1	1	1	1	1	1	1	1
RHGIZ-A360	All	GASKET KIT W/HARDWARE RHG-1 (ANY MODEL)	KIT \$0.00	1	1	-	-	-	-	-	-	-	-
RHGIZ-A382	All	LATCH INTERIOR & EXTERIOR KIT W/HARDWARE (ANY MODEL)	KIT \$0.00	1	1	1	1	1	1	1	1	1	1
RHGIZ-A383	All	EXTERIOR HANDLE KIT W/HARDWARE (ANY MODEL)	KIT \$0.00	1	1	1	1	1	1	1	1	1	1
RHGIZ-A384	All	PADLOCK HASP KIT, INTERIOR (ANY MODEL)	KIT \$0.00	1	1	1	1	1	1	1	1	1	1
040003	All	INSIDE DOOR HANDLE	EA \$0.00	1	1	1	1	1	1	1	1	1	1
0500001	All	GASKET FOR DOOR	EA \$0.00	13	13	16	16	46	46	14	14	18	18
050003	All	GASKET FOR HANDLE	EA \$0.00	1	1	1	1	1	1	1	1	1	1
0501	All	LATCH FOR DOOR	EA \$0.00	1	1	1	1	1	1	1	1	1	1
0502R	All	OUTSIDE HANDLE	EA \$0.00	1	1	1	1	1	1	1	1	1	1
RHG-1B-7-LHT (Left) or RHG-1B-7-RHT (Right)	3	UPPER CYLINDER BRACKET (select L or R)	EA \$0.00	1L	1L, 1R	1L	1L, 1R	1L,1R	2R,2L	1L	1L,1R	1L, 1R	2R,2L
0518L-RETRO-GH (Left) or 0518R-RETRO-GH (Right)	1 & 2	UPPER CYLINDER BRACKET FOR GEN 1 AND 2 RETROFIT MODEL (select L or R) (Use if Retrofit Has Already Been Done)	EA \$0.00	1L	1L, 1R	1L	1L, 1R	1L,1R	2R,2L	1L	1L,1R	1R,1L	2R,2L
0507R	All	RED HANDLE FOR HOLD OPEN ARM	EA \$0.00	1	1	1	1	2	2	1	1	2	2
0520	All	BRKT LATCH MOUNTING TO DOOR	EA \$0.00	1	1	1	1	1	1	1	1	1	1
0528	All	BRACKET HINGE INSIDE	PR \$0.00	1	1	1	1	3	3	1	1	3	2
0529	All	BRACKET HINGE OUTSIDE	PR \$0.00	1	1	1	1	3	3	1	1	3	2
083	All	CLIPS FOR HOLDING THE DOOR GASKET	EA \$0.00	8	8	16	16	25	25	8	8	10	10
120001	All	SCREWS FOR UPPER BRACKET SHOCK	EA \$0.00	3	3	3	3	5	5	3	3	5	5
1220	All	SCREWS FOR ATTACHING THE LATCH	EA \$0.00	4	4	4	4	4	4	4	4	4	4
12321	All	SCREWS FOR HINGES	EA \$0.00	4	4	4	4	6	6	4	4	6	4
12341	All	BOLT FOR LOWER BRACKET SHOCK	EA \$0.00	2	2	2	2	4	4	2	2	4	4
1235	All	NUTS FOR SHOCKS BRACKET	EA \$0.00	3	3	3	3	5	5	3	3	5	3
1253-4	All	SCREW #8 X 7/8 PHIL FLAT ZINC	EA \$0.00	2	2	2	2	2	2	2	2	2	2
1240	All	SCREWS BASE LATCH/BRACKET SHOCK/BRACKET SLIDER	EA \$0.00	14	14	14	14	14	14	14	14	19	14
1241	All	BOLT TO ATTACH THE RED LEVER	EA \$0.00	1	1	1	1	2	2	1	1	2	1
1243	All	SCREWS FOR INSIDE DOOR HANDLE	EA \$0.00	2	2	2	2	2	2	2	2	2	2
1245	All	PIN HINGE	EA \$0.00	2	2	2	2	3	3	2	2	2	2
1281	All	SCREWS FOR GASKET CLIPS	EA \$0.00	8	8	16	16	25	25	8	8	8	8

NOTE: if GEN 1 OR 2 Hatch has been retrofitted with the new cylinder style, hold-open bracket and cylinder bracket, replacement parts will need to always be the same as the retrofit kit.

RHGI-RETRO-1-GH

RETROFIT KIT
FOR **GEN 2**
Roof Hatches (1)
SHOCK
W/HARDWARE
&
REPLACEMENT
UPPER BRACKET
& 1 LOWER ARM
BRACKET
W/HARDWARE



(1) EA 08493, RHG-1049HT, RH050-TOOL, 12341, 120001, 12321, 12351, RHG-050
(2) EA 1235, (4) EA 1240

RHGI-RETRO-2-GH

RETROFIT KIT
FOR **GEN 2**
Roof Hatches (2)
SHOCKS
W/HARDWARE
&
REPLACEMENT
UPPER
BRACKETS & 1
LOWER ARM
BRACKET
W/HARDWARE



RHGI-RETRO-A388-1 GH

RETROFIT KIT
FOR **GEN 1**
ROOF HATCH (1)
SHOCK
W/HARDWARE
&
REPLACEMENT
UPPER
BRACKETS & 1
LOWER ARM
BRACKET
W/HARDWARE



(1) EA 08493, RH050-1388GH, RHG-1049HT, 0518R-RETRO-GH, 0518L-RETRO-GH, RH050-TOOL, 12341, 120001, 12321, 12351, (2) EA 1235, (4) EA 1240

RHGI-RETRO-A388-2 GH

RETROFIT KIT
FOR **GEN 1**
Roof Hatches (2)
SHOCKS
W/HARDWARE
&
REPLACEMENT
UPPER
BRACKETS & 1
LOWER ARM
BRACKET
W/HARDWARE



(1) EA , RHG-1049HT, 0518R-RETRO-GH, 0518L-RETRO-GH, RH050-TOOL, 120001, (2) EA 08493, RH050-1388GH, 12341, 12321, 12351, (3) 1235, (6) EA 1240

RHGIZ-B002

SHOCK
REPLACEMENT
KIT FOR **GEN 3**
ROOF HATCHES
(2) SHOCKS W
HARDWARE &
SHOCK UPPER
BRACKETS W
HARDWARE



RHGIZ-A003

REPLACEMENT
HOLD OPEN
ARM ASSEMBLY
(Note - If GEN 1
or 2 Cylinder
Retrofit Has
Been Done,
#0518 Upper
Brackets Must
Be Used Instead
of 0519)



(1) EA 0519HTG, 0507R, 0518A, 0522, 12321, 12351, 1240, (5) EA 1240

RHGIZ-A108

HANDLES,
INTERIOR &
EXTERIOR (ANY
MODEL)



Replacement Kit Photos

RHGIZ-A360

GASKET
W/HARDWARE
RHG or RHA-1
(ANY MODEL)



RHGIZ-A382

LATCH INTERIOR
& EXTERIOR
W/HARDWARE
(ANY MODEL)



(1) EA 520, 0501,052r, 0517, 091104, 050003, 0523, 040003, 05021, (2) EA 1253-4, 1243, (4) EA 1220, (8) EA 1240

RHGIZ-A383

EXTERIOR
HANDLE
W/HARDWARE
(ANY MODEL)



RHGIZ-A384

PADLOCK HASP,
INTERIOR (ANY
MODEL)



Components Photos



040003 INSIDE DOOR HANDLE



010001 GASKET FOR LID/PER FOOT



050003 GASKET FOR HANDLE



0501 LATCH FOR DOOR



0502R OUTSIDE HANDLE



0507R RED HANDLE FOR HOLD
OPEN ARM



0520 BRKT LATCH MOUNTING TO DOOR



0538 2 PER UNIT, BRACKET HINGE INSIDE

Components Photos



0529 2 PER UNIT. BRACKET HINGE OUTSIDE



083 CLIPS FOR HOLDING THE DOOR GASKET



120001 Bolt attaches lower hold-open arm to bracket See Nut 1235 also



1235 NUTS FOR SHOCKS BRACKET



1220 SCREWS FOR ATTACHING THE LATCH



12341 Bolt attaches bottom of lower cylinder to the cylinder bracket



12321 SCREWS FOR HINGES



1253-4 SCREW #8 X 7/8 PHIL FLAT ZINC

Components Photos



1240 Self-tapping bolts hold cylinder bracket to lid and hold hat bracket to side wall



1241 BOLT TO ATTACH THE RED LEVER



1243 SCREWS FOR INSIDE DOOR HANDLE



1281 SCREWS FOR GASKET CLIPS



1245 PIN HINGE

Components Photos



RHG-1B-7LHT

RHG-1B-7RHT

**GEN 3 BRACKETS
ATTACH CYLINDER TO LID**



0518L-RETRO-GH

0518R-RETRO-GH

**GEN 1 AND 2 RETROFIT BRACKETS
ATTACH CYLINDER TO LID**



**RHG-1049HT (Retrofit only)
GEN 1 AND 2 RETROFIT LOWER
HOLD OPEN ARM BRACKET**

**0519-HTG
GEN 3 LOWER
HOLD OPEN ARM BRACKET**



8493 Spring

Components Photos



RHG050 (2013 GEN 3 Style Cylinder & Used for Retrofits on GEN 2)



RH050-1388GH

(GEN 1 Retrofit Cylinder)



RH050-TOOL



0522 HOLD OPEN ARM



Old photos for reference





2/3/2014

REPLACEMENT AND SPARE PARTS FOR ROOF HATCHES				30x36		54x30		96x30		36x36		48x48	
SHOCK & ARM BRACKET REPLACEMENT				RHA-1	RHG-1	RHA-2	RHG-2	RHA-3	RHG-3	RHA-4	RHG-4	RHA-5	RHG-5
Part #	GEN	DESCRIPTION		QTY NEEDED TO ORDER									
RHGI-RETRO-A388-1-GH	1	SHOCK RETROFIT KIT FOR GEN 1 Roof Hatch (1) shock & (1) arm bracket w/hardware.	KIT	1	-	1	-	-	-	1	-	-	-
RHGI-RETRO-A388-2-GH	1	SHOCK RETROFIT KIT FOR GEN 1 Roof Hatch (2) shocks & (1) arm bracket w/hardware. (Order 1 extra arm bracket for 96x30)	KIT	-	1	-	1	1	-	-	1	1	-
RHGI-RETRO-A388-3-GH	1	SHOCK RETROFIT KIT FOR GEN 1 Roof Hatch (3) shocks & arm bracket w/hardware.	KIT	Custom Models Only									
RHGI-RETRO-A388-4-GH	1	SHOCK RETROFIT KIT FOR GEN 1 Roof Hatch (4) shocks & (2) arm brackets w/hardware.	KIT	-	-	-	-	-	1	-	-	-	1
RHGI-RETRO-1-GH	2	SHOCK RETROFIT KIT FOR GEN 2 Roof Hatch (1) shock & (1) arm bracket w/hardware	KIT	1	-	1	-	-	-	1	-	-	-
RHGI-RETRO-2-GH	2	SHOCK RETROFIT KIT FOR GEN 2 Roof Hatch (2) shocks & (1) arm bracket w/hardware.(Order 1 extra arm bracket for 96x30)	KIT	-	1	-	1	1	-	-	1	1	-
RHGI-RETRO-3-GH	2	SHOCK RETROFIT KIT FOR GEN 2 Roof Hatch (3) shocks & (1) arm bracket w/hardware	KIT	Custom Models Only									
RHGI-RETRO-4-GH	2	SHOCK RETROFIT KIT FOR GEN 2 Roof Hatch (4) shocks & (2) arm brackets w/hardware	KIT	-	-	-	-	-	1	-	-	-	1
RHGIZ-B004	3	SHOCK REPLACEMENT KIT FOR GEN 3 Roof Hatch (1) SHOCK W/HARDWARE	KIT	1	-	1	-	-	-	1	-	-	-
RHGIZ-B002	3	SHOCK REPLACEMENT KIT FOR GEN 3 Roof Hatch (2) SHOCKS W/HARDWARE	KIT	-	1	-	1	1	2	-	1	1	2

See Page 2 for Individual Items and Commonly Purchased Kits

WHICH ROOF HATCH DO YOU HAVE? SEE DESCRIPTIONS BELOW TO DETERMINE IF YOU HAVE GEN 1, 2 OR 3

<p>GENERATION 1 MADE UNTIL MID 2008</p> <p>Bottom Cylinder Cover has a Foot On It Top Cylinder Cover is Cut at A Slant <u>Replacement & Repair of Parts</u> Cylinders Must be Upgraded with RHGIZ-RETRO A33 Replacements Bottom Bracket of Hold-Open Arm Upgrade with RETRO A33... All Other Parts Still Available</p>	<p>GENERATION 2 MADE UNTIL APPROX 12/15/12</p> <p>Bottom Cylinder Cover has No Foot On It, Has 2 Holes for Bolt Top Cylinder Cover is Not Cut at A Slant & is Approx. 1-1/4" Dia. <u>Replacement & Repair of Parts</u> Cylinders Must be Upgraded with RHGI-RETRO 1-4 Replacements Bottom Bracket of Hold-Open Arm Upgrade with RETRO 1-4 All Other Parts Still Available</p>
 <p>TOP BOTTOM</p>	 <p>TOP BOTTOM</p>

<p>GENERATION 3 APPROX 12/15/12 +</p> <p>Bottom Cylinder Cover has No Foot On It, Has 2 Holes for Bolt Top Cylinder Cover is Not Cut at A Slant & is Approx. 1-1/2" Dia. Springs are Greased before Insertion <u>Replacement & Repair of Parts</u> All Parts Still Available</p>
 <p>TOP BOTTOM</p>

2/3/2014			30x36		54x30		96x30		36x36		48x48		
REPLACEMENT AND SPARE PARTS FOR ROOF HATCHES			RHA1	RHG-1	RHA-2	RHG-2	RHA-3	RHG-3	RHA-4	RHG-4	RHA-5	RHG-5	
Part #	GEN	DESCRIPTION	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	
RHGIZ-A003	AII	HOLD OPEN ARM KIT W/BRACKETS (note:if GEN 1 or 2 Retrofit Has Been Done,RHG-1049HT Arm Brackets Must Be Used)	KIT	1	1	1	1	2	2	1	1	1	1
RHG-1049HT	1 & 2	LOWER BRACKET FOR HOLD OPEN ARM- RETROFIT MODEL (Use Only if Retrofit Has been Done)	EA	1	1	1	1	2	2	1	1	2	2
RHGIZ-A108	AII	HANDLES, INTERIOR & EXTERIOR	KIT	1	1	1	1	1	1	1	1	1	1
RHGIZ-A360	AII	GASKET KIT W/HARDWARE RHG-1	KIT	1	1	-	-	-	-	-	-	-	-
RHGIZ-A382	AII	LATCH INTERIOR & EXTERIOR KIT W/HARDWARE	KIT	1	1	1	1	1	1	1	1	1	1
RHGIZ-A383	AII	EXTERIOR HANDLE KIT W/HARDWARE	KIT	1	1	1	1	1	1	1	1	1	1
RHGIZ-A384	AII	PADLOCK HASP KIT, INTERIOR	KIT	1	1	1	1	1	1	1	1	1	1
040003	AII	INSIDE DOOR HANDLE	EA	1	1	1	1	1	1	1	1	1	1
0500001	AII	GASKET FOR DOOR	FT	13	13	16	16	46	46	14	14	18	18
050003	AII	GASKET FOR HANDLE	EA	1	1	1	1	1	1	1	1	1	1
0501	AII	LATCH FOR DOOR	EA	1	1	1	1	1	1	1	1	1	1
0502R	AII	OUTSIDE HANDLE	EA	1	1	1	1	1	1	1	1	1	1
RHG-1B-7-LHT (Left) or RHG-1B-7-RHT (Right)	3	UPPER CYLINDER BRACKET (select L or R)	EA	1L	1L, 1R	1L	1L, 1R	1L,1R	2R,2L	1L	1L,1R	1L, 1R	2R,2L
0518L-RETRO-GH (Left) or 0518R-RETRO-GH (Right)	1 & 2	UPPER CYLINDER BRACKET FOR GEN 1 AND 2 RETROFIT MODEL (select L or R) (Use if Retrofit Has Already Been Done)	EA	1L	1L, 1R	1L	1L, 1R	1L,1R	2R,2L	1L	1L,1R	1R,1L	2R,2L
0507R	AII	RED HANDLE FOR HOLD OPEN ARM	EA	1	1	1	1	2	2	1	1	2	2
0520	AII	BRKT LATCH MOUNTING TO DOOR	EA	1	1	1	1	1	1	1	1	1	1
0528	AII	BRACKET HINGE INSIDE	PR	1	1	1	1	3	3	1	1	3	2
0529	AII	BRACKET HINGE OUTSIDE	PR	1	1	1	1	3	3	1	1	3	2
083	AII	CLIPS FOR HOLDING THE DOOR GASKET	EA	8	8	16	16	25	25	8	8	10	10
120001	AII	SCREWS FOR UPPER BRACKET SHOCK	EA	3	3	3	3	5	5	3	3	5	5
1220	AII	SCREWS FOR ATTACHING THE LATCH	EA	4	4	4	4	4	4	4	4	4	4
12321	AII	SCREWS FOR HINGES	EA	4	4	4	4	6	6	4	4	6	4
12341	AII	BOLT FOR LOWER BRACKET SHOCK	EA	2	2	2	2	4	4	2	2	4	4
1235	AII	NUTS FOR SHOCKS BRACKET	EA	3	3	3	3	5	5	3	3	5	3
1253-4	AII	SCREW #8 X 7/8 PHIL FLAT ZINC	EA	2	2	2	2	2	2	2	2	2	2
1240	AII	SCREWS BASE LATCH/BRACKET SHOCK/BRACKET SLIDER	EA	14	14	14	14	14	14	14	14	19	14
1241	AII	BOLT TO ATTACH THE RED LEVER	EA	1	1	1	1	2	2	1	1	2	1
1243	AII	SCREWS FOR INSIDE DOOR HANDLE	EA	2	2	2	2	2	2	2	2	2	2
1245	AII	PIN HINGE	EA	2	2	2	2	3	3	2	2	2	2
1281	AII	SCREWS FOR GASKET CLIPS	EA	8	8	16	16	25	25	8	8	8	8

NOTE: if GEN 1 OR 2 Hatch has been retrofitted with the new cylinder style, hold-open bracket and cylinder bracket, replacment parts will need to always be the same as the retrofit kit.