

# Outside "R" Components

ABC's "Easy Sheet" series on building extruded aluminum sign frames - 9/02

# 13

**When a sign requires an outer "security" face, ABC's Outside R Hinge and Saddle parts are ideal. There is enough space between the outer and inner face for track and changeable letters. Used with the ABC Single or Double Hinge Frame, these components result in a very versatile, economical solution.**

These components are designed to use rigid plastic faces only. They are ideal for using a polycarbonate outer face with an acrylic inner face.

The Outside R-Hinge is only used on the top of the sign. It is a "self-hinge," as the hinge flange rotates around and under the

drain channel of the Hinge Frame. No mechanical hinge or fasteners are required on the hinge part.

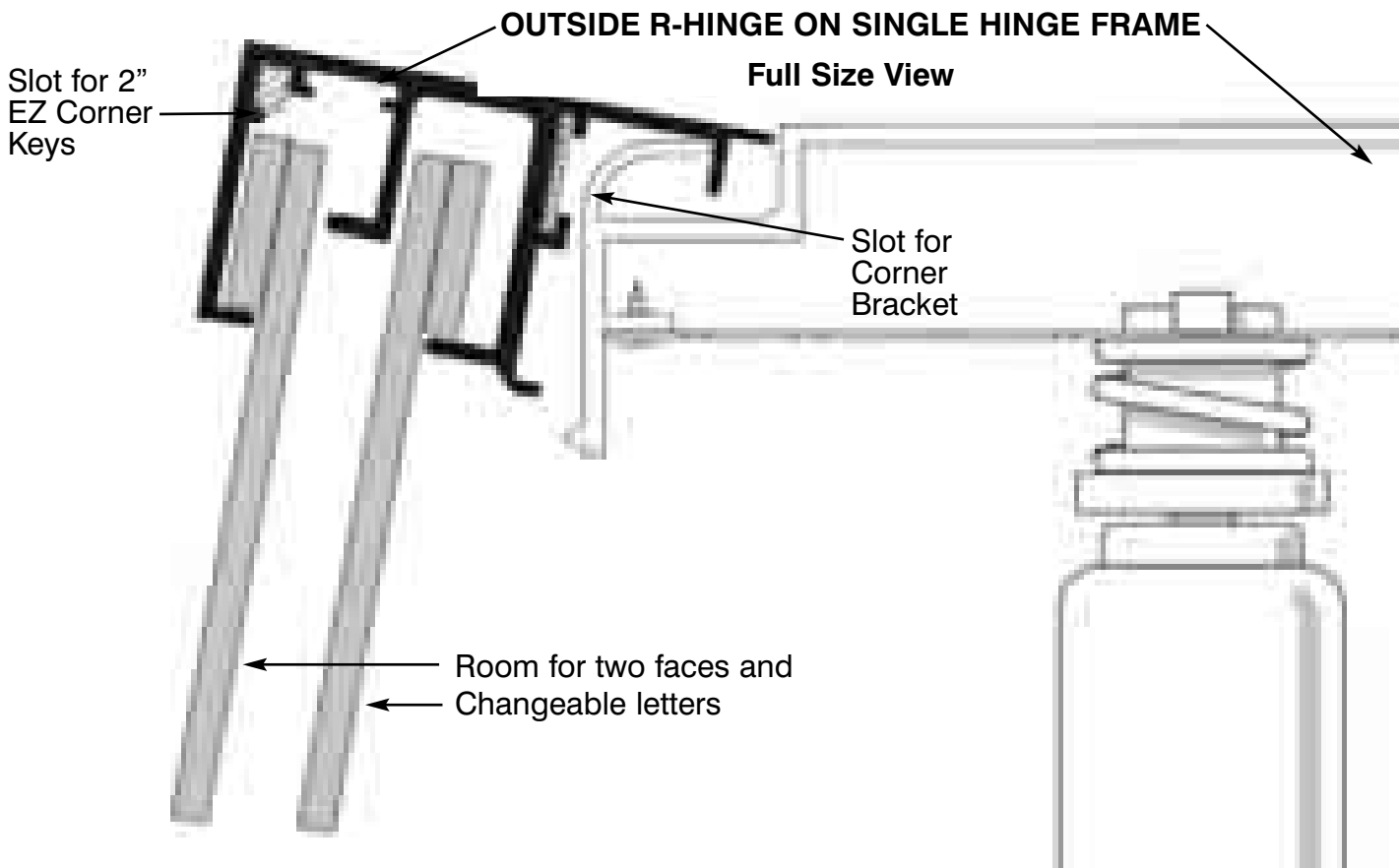
Prop hardware can be used to hold the outer frame open for internal service if desired. Alternatively, the outer frame and faces may be lifted off the sign entirely by swinging the frame out slightly, then lifting it up and off the Hinge Frame.

Both faces swing open together for service access to the lamps, ballasts and wiring. This frame is intended for semi-permanent copy which can be changed occasionally. When copy is to be changed on the inner face, screws must be removed on one end

of the Outside R-Saddle to slide the outer face out. (For frequent copy change, see ABC's Zero Clearance Frames).

To reinforce the mitered corners of the Outside R-Hinge and Saddle parts, two slots are provided for corner brackets. One is for the backside, which is made to accept a standard 5/8" x 4" long flat steel corner iron, (see drawings). This fits a Stanley # 30-6560, available at most hardware stores, or directly from ABC.

To provide a tight miter fit, the outside wall is designed with a slot for ABC's 2" EZ Corner Key. For convenience, these can be ordered from ABC at the time of your



Please contact ABC if you have any questions:  
2028 SE Frontage Road, Fort Collins, Colorado 80525  
Toll-Free: 800-248-9889 Fax: 970-482-4019 Email: [abcsigns@abcsignproducts.com](mailto:abcsigns@abcsignproducts.com)

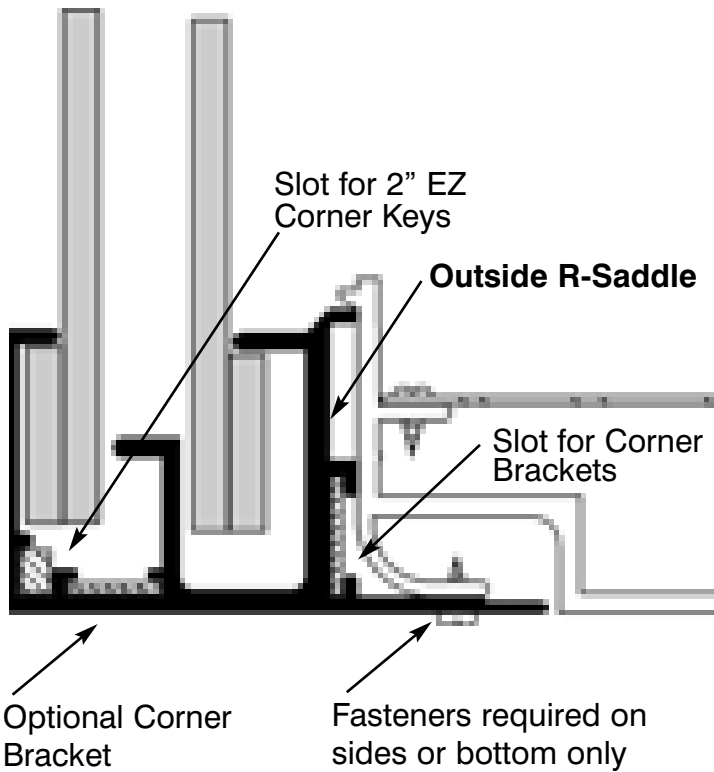
The parts described on this page are covered by one or more of the following patents:  
U.S. 4,007,552 4,265,039  
CANADIAN 1,021,565 1,149,159 1,170,048 1,170,049 1,170,050



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extrusion order. A 2" x 2" x .078" aluminum angle Corner Bracket is also used (see drawings). This bracket is riveted in place at each permanent corner and held by screws on the removable end.



## OUTSIDE R- SADDLE & HINGE PARTS

These components are ideal for building small to medium size signs with routed aluminum faces which are hinged to open for service access, as pictured above.

The aluminum faces may be mounted to the Outside R-Hinge and Saddle Frame with VHB tape, giving a smooth, square edge with no visible fasteners, except on the bottom side.

This assembly is recommended for signs with a maximum size of 4' x 6'. Because of the limited depth of the middle leg, it is necessary to rivet tabs or a continuous flange to the middle leg of the side and bottom Outside R-Saddle parts to give sufficient face engagement. Technical limitations prevent extruding this part with a longer middle leg.



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 Toll-Free: 800-248-9889 Fax: 970-482-4019 Email: [abcsigns@abcsignproducts.com](mailto:abcsigns@abcsignproducts.com)

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