RADIATOR / OIL COOLER

- Rotax radiator inside cowl (front)
- Rotax oil cooler (underneath radiator)

995-697 RADIATOR 1
**79-CB**

**COOLING BRACKET**

.090” steel

**ORIENTATION:** The flange is toward the bottom.

Drill two 5.9mm holes for the Vibro Stops in the front flange, distance between centers is 151mm (Check with radiator).

**NOTE:** part is symmetrical from center-line.

Drill one 5.9mm hole (for Vibro Stop 316-004) 15mm forward of the aft edge.

Drill two 7/8” holes (for the oil cooler) 25mm back from the top bend, 180mm between centers (check with oil cooler).
Refer to the radiator for the spacing for the two holes in the front flange.

Photo looking up from underneath the engine mount.

Screw the 4 vibro stops on radiator.
Installation of Cooling Bracket 79-CB to the front “tray” on the engine mount. 
5.9mm hole on center line of the engine, 34mm from the front edge of the “tray” welded at the front of 
the engine mount 7E1-1R
30x18mm flanges, length = 200mm, t=.040” 6061-T6
Drill a #20 hole in the radius 140mm from the top of the bracket. With the hand snips cut a slot square to the 20mm flange.

Clamp in a vise and fold over.
IMPORTANT: bend radius = 1/8” If necessary file a radius on a board, then clamp the Bracket and board in the vise. Bend the Bracket over the filed radius.
NOTE: IT IS ALSO ACCEPTABLE TO BEND WITHOUT FIRST CUTTING OFF THE 20MM FLANGE

Cut off the 20mm flange along the bend.

Left and right brackets required.
Ref. Distance is measured along the bend.
Layout: From the bottom flange, measure up 122mm, with a square mark a line across the 30mm flange.

Drill a 10mm hole
File and radius the corners.

Drill a 6mm hole in the middle of the bottom flange for the Vibro Stop.

Trim the bottom flange 20mm wide.

Bolt the **79-SB** Vibro Stop on the radiator.
Bolt the Radiator assembly to the existing tapped holes in the gear reduction unit.

Trim back the top corner of the 20mm flange.

Righ side, Notice the fuel pump.

M10x1.5
BOLT IN EXISTING TAPPED HOLE IN REDUCTION GEAR.
Screw the bottom Vibro Stops to the Cooling Bracket 79-CB

Side view of the Cooling Bracket to support the bottom of the rad to the engine mount.
FRONT BRACKET FLAT 79-FB (6061-T6 t=.040")

2 RIVETS A5
79-BF into 79-SB

Rotax oil cooler 886-027
Size: 82mm 3.32"
Locate the nipple fitting below the oil pressure sender unit on the front right of the engine.

Unscrew the nipple fitting from the engine. Keep this part, it will be used on the oil cooler.
Add the gasket ring 230-387 to the Adaptor 956-570, screw on engine in place of the nipple fitting 890-449.

Unscrew the oil pressure sender unit to install the 90 degree bent socket assembly.

Screw the 90 degree bent socket assembly 956-580 to the adaptor 956-570.

Reinstall the oil pressure sender unit.
Rotax oil cooler 886-027

Add the Gasket ring to the nipple fitting and screw the fitting inside the threaded portion of the oil cooler

NIPPLE FITTINGS
890-449

GASKET RING
230-387

NUT M22
156-088

Nuts to bolt the oil cooler to the Bracket 79-CB