

# THROTTLE QUADRANTS – CONTROL WHEELS

## HOMEBUILDERS THROTTLE QUADRANTS

These quality quadrants have been in use in a wide variety of experimental and ultralight aircraft for over 25 years. Designed and manufactured to provide years of dependable, precise performance.



**Model #1** – This external reversing hook-up quadrant can be used in tandem for dual control. Available with 1, 2, or 3 lever. Weight: 10 oz. Body size: 3.5" x 4".  
 Single lever quadrant .....P/N 05-15905 .....**\$78.80**  
 Two Lever Quadrant.....P/N 05-15910 .....**\$66.80**  
 Three Lever Quadrant.....P/N 05-15915 .....**\$73.85**  
**Add -F to P/N and \$10 to price for adjustable friction.**



**Model #2** – This internal non-reversing hook up quadrant is often used on RV-4 and similar homebuilt aircraft. Available in 1, 2, or 3 lever models. Weight: 12 oz. Body Size: 3.5" x 4".  
 Single lever Quadrant.....P/N 05-15920 .....**\$62.95**  
 Two Lever Quadrant.....P/N 05-15925 .....**\$95.75**  
 Three Lever Quadrant .....P/N 05-15930 .....**\$73.85**  
**Add -F to P/N and \$10 to price for adjustable friction.**



**Model #3** – This internal reversing hook up quadrant is ideal for a variety of different aircraft models. Available with 1, 2, or 3 lever. Weight: 10 oz. Body size: 3.5" x 4".  
 Single lever Quadrant.....P/N 05-15935.....**\$66.75**  
 Two Lever Quadrant.....P/N 05-15940.....**\$67.75**  
 Three Lever Quadrant .....P/N 05-15945.....**\$73.85**  
**Add -F to P/N and \$10 to price for adjustable friction.**



**Model #4** – This popular quadrant was specifically designed for use on RV-3 and RV-4 aircraft and is also applicable to many other homebuilt aircraft. Furnished in two lever model only and furnished with adjustable friction. Weight: 12 oz. Body size: 3.5" x 4".  
 Two lever Quadrant .....P/N 05-15950 ..... **\$78.80**



**Model #5** – Panel mount quadrant can be an internal reversing or internal non-reversing. Available in S-series only. One, two or three levers. Friction or non-friction. Panel Mount Reversing listed below  
 Single lever Quadrant.....P/N 05-02436 .....**\$65.75**  
 Two Lever Quadrant.....P/N 05-02437 .....**\$70.90**  
 Three Lever Quadrant .....P/N 05-02438 .....**\$73.85**



**Model #6** – Twin-engine model: Non-reversing internal or reversing internal unit with a four-arm configuration. L-series only. Friction or non-friction. Twin Engine Reversing Internal listed below.  
 Four lever Quadrant .....P/N 05-02364 ..**\$92.75**  
 Four lever Quadrant w/ Friction..P/N 05-02365 **\$103.75**

### T-BAR HANDLE FOR QUADRANTS

This handle is 3-1/2" long and 1-1/4" round and fits all of the Homebuilders Quadrants above. The arm slot is offset to one side. It is molded urethane and is very durable. Add -1 or -1F (as applicable) to the Part No. and \$25.00 to the price (example: 05-15925-1)



## ACS CONTROL WHEEL A-1310

Designed to be more user friendly than standard control wheels. Mounting position can be raised or lowered one inch by rotating the mounting flange. All parts machined from 6061-T6 billet. The A-1310 Control has cavities for wiring, but does not come prewired or with a mic switch. They can be ordered with a hole drilled for the mic or can be drilled later. Wt: 26 oz. Mounting flange hole sizes: 3/4" or 7/8". Made in USA.

3/4" Black Anodized .....P/N 05-02248 .....**\$96.50**  
 3/4" Bare Aluminum.....P/N 05-02279 .....**\$96.50**  
 7/8" Black Anodized .....P/N 05-02282 .....**\$96.50**  
 7/8" Bare Aluminum.....P/N 05-02284 .....**\$97.00**

## BEECH BONANZA/BARON CONTROL WHEELS



These control wheels are identical in design to the new Beechcraft large ram's horn style wheels. They can be powder coated black with a highly durable material. Peeling or yellowing that occurs on older Beech wheels has been eliminated by the powder coating process. This control wheel is a direct replacement for the Beech/Raytheon 60-524080-13, 14 (for F33A, F33C, V35B, A36, and B36TC) and , -17 (for F33A, F33C, A36, B36TC, and 58) control wheels. Can be installed on many other aircraft using FAA form 337 for field approval. FAA Form 8130-3.

Hand crafted black leather wrapping is available for these control wheels. Each wheel is individually hand laced and custom fitted to the wheel. We can also hand wrap your existing Beech control wheel in leather. Send your control wheel to Aircraft Spruce in Corona, CA and allow 3 weeks for delivery. A Davtron MB800 digital chronometer installed in the faceplate of the control wheel is also available.



These Control Wheels now include an installation kit (Thumbplate, Faceplate, Screws).

**Custom Leather Wrapped Wheel is available for and additional cost.....** P/N 05-00547 ..... **\$1,325.00**

Description	Part No.	Price
Basic Control Wheel Factory White	05-00545	<b>\$638.00</b>
Basic control Wheel Black Powder Coat	05-06928	<b>\$698.00</b>



## CESSNA CONTROL WHEEL

Cessna Control Wheel. Supplemental Type Certificate No(s) SA00709LA. Includes all mounting hardware and matching control shaft hub. Electric Trim Switch Modification does not include trim switch. Cessna 170, 172, 175, 180, 182, 185, 205, 206, 210...P/N 05-12271 .....**\$1,627.00**



## PIPER CONTROL WHEEL

Finally an FAA-PMA approved replacement Piper control wheel. This wheel is a direct replacement for original 'bow tie' and 'rams horn' control wheels. Many early Pipers have a .75" diameter torque tube (shaft); later models have 1.125" diameter tubes. The control wheel is available with the appropriate installation kit to fit both these shafts. These control wheels are a FAA.PMA replacements for Piper P/N 62818 subject to Airworthiness Directive AD 64-06-06 An alternate method of compliance (AMOC) to AD-64-0606 is to replace P/N 62818 with these control wheels P/N PCW-601-103. P/N 05-12269 .....**\$1,408.00**



## CONTROL YOKE UPGRADES

Now flaking & peeling finish on worn control yokes can be remedied cost effectively by these pilot-installable, semi-flexible, molded grips which are available with push-to-talk button built-into the top of the yoke (not the side). The Model SX-100 grips (pilot & copilot set) and optional, built-in, Model SX-101 plug-in push-to-talk button simply slip-over the thin, "ram's horn" control yokes of Cessna 150, 152, 172, 177, Grumman-American AA-1, AA-5 and early Mooney aircraft. Their thick, padded feel and built-in push-to-talk button add comfort, convenience & value to vintage airplanes. The top-mounted, low profile, miniature push-to-talk button supplied completely wired with plug, jack and coiled cord, is less likely to be pressed by accident, get in the way or slip out of position than bulky, side-strapped, units. Complete your updated yoke configuration with a pair of new model SX-110 center cushions, richly finished in black. Cushions fit neatly over centers of any control yokes.

Description	Application	Part No.	Price
SX-100 Grips without Push-to-Talk switch (4ea)	Small Cessna Ram Horn - C150, C172, C177, prior to 1973	05-16600	<b>\$69.50</b>
SX-101 Grips (set of 4) with Push-to-Talk switch (left side)	Cessna 150, 152, 172, 177, Grumman-American AA-1, AA-5, Pre 1964 Mooney Aircraft	05-16630	<b>\$109.75</b>
SX-101 Grips (set of 4) with 2 Push-to-Talk switch (left & right)	Cessna 150, 152, 172, 177, Grumman-American AA-1, AA-5, Pre 1964 Mooney Aircraft	05-16635	<b>\$159.75</b>
SX-110 center cushion Set (Black)	Small Cessna Ram Horn - C150, C172, C177, prior to 1973	05-16610	<b>\$49.95</b>