



**INSTALLATION NOTES  
INSTRUMENT PANEL MOUNT  
MODEL 241 040**

THANK YOU FOR BUYING THIS MOUNT FROM US. WE TRY TO TAKE GREAT CARE WITH, AND ARE PROUD OF, THE FIT, FINISH, AND BUILD QUALITY OF OUR PRODUCTS. IF YOU FIND THAT THE THE QUALITY OF ANYTHING YOU SEE IN THIS KIT IS NOT SATISFACTORY, WE WOULD LIKE TO KNOW ABOUT IT.

THIS MOUNT IS INTENDED TO HOLD A SMALL, LIGHT PIECE OF (TYPICALLY) ELECTRONIC EQUIPMENT IN A CONVENIENT PLACE AND ORIENTATION FOR THE USER. ONE END BOLTS TO YOUR INSTRUMENT PANEL; THE OTHER END TO YOUR EQUIPMENT. IN BETWEEN IS AN ASSEMBLY THAT ALLOWS ADJUSTMENT IN 2 AXES: UP & DOWN AND LEFT & RIGHT.

THESE NOTES ARE INTENDED TO ACCOMPANY THE EXPLODED PARTS DIAGRAM. PLEASE READ THEM THOROUGHLY AND REVIEW THE DIAGRAM BEFORE BEGINNING TO ASSEMBLE YOUR MOUNT.

WE SUGGEST THE FOLLOWING ASSEMBLY SEQUENCE:

1. BEFORE YOU BEGIN, PLEASE MAKE SURE YOUR KIT IS COMPLETE: THERE SHOULD BE 6 ALUMINUM PIECES, SOME NUTS, BOLTS AND WASHERS AND 3 ALLEN KEYS. NOTE THAT TWO OF THE PARTS, THE PANEL ADAPTOR (PART # 2) AND THE PLATE MOUNT (PART # 5) LOOK VERY SIMILAR. THE DIFFERENCE IS THE PLATE MOUNT HAS TWO THREADED HOLES AND THE PANEL ADAPTOR DOES NOT.
2. THIS MOUNT IS DELIBERATELY DESIGNED TO BE ASYMMETRIC. DEPENDING ON WHETHER YOU ORIENT THE PANEL ADAPTOR (PART # 2) HORIZONTALLY OR VERTICALLY, YOU CAN ASSEMBLE THE MOUNT BIASED UP OR DOWN, LEFT OR RIGHT.
3. FIT ONE END THE ELBOW AXLE (PART # 4) INTO THE TAPERED HOLE IN THE ELBOW RECEIVER (PART # 3) AND RETAIN IT WITH ONE OF THE 1/4 UNC BUTTON HEAD SCREWS (PART # 13) AND WASHER (PART # 12). YOU'LL NEED THE 5/32" (LARGE) ALLEN KEY TO DO UP THE BOLT
4. FIT THE TAPERED SHAFT OF THE ELBOW RECEIVER INTO THE CORRESPONDING TAPERED HOLE IN THE PANEL ADAPTOR (PART # 2) AND RETAIN IT WITH ANOTHER 1/4 UNC BUTTON HEAD SCREW AND WASHER. IN THE SAME WAY, FIT THE PLATE MOUNT (PART # 5) ONTO THE ELBOW AXLE.
5. NOTE THAT THE TAPER PROVIDES AN EXTREMELY RELIABLE, VIBRATION PROOF CONNECTION BETWEEN PARTS. THE BOLT'S FUNCTION IS SIMPLY TO PRESS THE TAPERS TOGETHER AND IT DOESN'T NEED TO BE VERY TIGHT TO DO IT. IN FACT, IF YOU DO OVERTIGHTEN THE BOLT, YOU MIGHT NEVER BE ABLE TO GET THE MOUNT APART TO ADJUST IT. ACTUALLY, THIS IS WHY WE SUPPLY SHORT ALLEN KEYS. WE SUGGEST PRACTICING WITH THE PARTS IN YOUR HAND TO GET A FEEL FOR THIS BEFORE FITTING THE MOUNT.
6. BOLT THE PANEL ADAPTOR (PART # 2) TO THE 2 1/4" BLANKING PLATE (PART # 1) USING THE 10-32 SOCKET HEAD CAP SCREWS (PART # 10), WASHERS (PARTS # 8 & 9) AND NYLOCK NUTS (PART # 11)

7. BOLT THE BLANKING PLATE (PART # 1) TO ANY SUITABLE UNUSED 2 1/4" INSTRUMENT HOLE IN YOUR PANEL USING THE 6-32 COUNTERSUNK SCREWS (PART # 17)
8. THE 4-WAY AMPS PLATE (PART # 6) HAS TWO SETS OF HOLES ON THE ELECTRONICS INDUSTRY STANDARD AMPS GRID. ONE SET OF 4 HOLES IS SMOOTH ALLOWING THE BOLTS (PART # 16) TO COME THROUGH FROM THE BACK (THIS IS WHAT YOU DO FOR A GARMIN 696), THE OTHER SET IS THREADED SO YOU CAN ATTACH SOMETHING FROM THE FRONT (THIS IS WHAT YOU DO FOR A GARMIN 496 CRADLE). THE PURPOSE OF THIS PART'S DESIGN IS THAT IT PROVIDES A WAY TO RECONCILE THE CHOICES YOU MADE IN MOUNT ORIENTATION WITH THE REQUIREMENTS OF YOUR GPS.
9. ALTERNATIVELY, IF YOU DON'T WANT TO USE OR DON'T HAVE A SPARE 2 1/4" HOLE, YOU CAN DRILL TWO HOLES IN YOUR INSTRUMENT PANEL AND BOLT THE PANEL ADAPTOR ON DIRECTLY. AMONGST THE CONSIDERATIONS: THE SMALLER FOOTPRINT AREA WITHOUT THE ADAPTOR PLATE CONCENTRATES LOAD AND THEREFORE STRESS SO YOU HAD BETTER HAVE A STRONG INSTRUMENT PANEL. PLEASE REMEMBER, IF YOU DO THIS, YOU HAVE MADE THE DETERMINATION IT IS SAFE, LEGAL, APPROPRIATE AND SENSIBLE. USING THE PANEL ADAPTOR AS A DRILL GUIDE, DRILL TWO 5MM (10-32 CLEARANCE) HOLES WHERE YOU WANT THE MOUNT TO GO. IF YOU WANT TO MARK OUT THE HOLES, THEY'RE ON 1.500" (38.1MM) CENTRES. HOLES CANNOT BE UNDRILLED SO PLEASE MAKE SURE YOU GET THIS STEP RIGHT BEFORE CUTTING METAL. ALSO, AND THIS IS VERY IMPORTANT, HAVE A LOOK BEHIND THE PANEL BEFORE DRILLING TO MAKE SURE YOU HAVE ROOM TO FIT THE NUTS AND DON'T ACCIDENTALLY DRILL HOLES IN SOMETHING UNSEEN BUT VITAL. AS ALWAYS, COMMON SENSE NEEDS TO BE APPLIED - WE CAN'T ADVISE WHEN WE CAN'T SEE THE INSTALLATION SO IT'S YOUR JOB TO SUPPLY IT.
10. ADJUST YOUR MOUNT TO SUIT YOUR PREFERENCE AND MAKE SURE ALL THE BOLTS ARE TIGHT.

NO SET OF INSTRUCTIONS CAN SUBSTITUTE FOR COMMON SENSE. IT IS THE SOLE RESPONSIBILITY OF THE OWNER/OPERATOR OF THE AIRCRAFT TO PLACE THIS MOUNT AND SECURE THE UNIT SO THAT IT WILL NOT INTERFERE WITH THE AIRCRAFT'S OPERATING CONTROLS AND SAFETY DEVICES, OR CAUSE DAMAGE OR PERSONAL INJURY IN THE EVENT OF AN ACCIDENT OR TURBULENCE. DO NOT MOUNT YOUR DEVICE WHERE THE PILOT OR PASSENGERS ARE LIKELY TO IMPACT IT IN AN ACCIDENT, COLLISION, OR TURBULENCE. THIS MOUNTING HARDWARE IS NOT WARRANTED AGAINST TURBULENCE, COLLISION DAMAGE, OR RELATED CONSEQUENCES. AFTER INSTALLING YOUR MOUNT, MAKE SURE THAT THE AIRCRAFT FLIGHT CONTROLS ARE FREE AND CLEAR AND THAT THE DEVICE, THE MOUNT AND WIRING DO NOT CAUSE ANY INTERFERENCE WITH THE FLIGHT CONTROLS.

PLEASE WRITE TO US AT [FAX@ANGEROLE.COM](mailto:FAX@ANGEROLE.COM) WITH ANY QUESTIONS YOU MAY HAVE. GOOD LUCK AND ENJOY!