



**INSTALLATION NOTES
BEECH RAM BALL MOUNT
MODEL 241 039**

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.

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 3 ALUMINUM PIECES, SOME BOLTS AND WASHERS, A RUBBER O-RING AND AN ALLEN KEY.
2. FIT THE TAPERED END OF THE ELBOW AXLE (PART # 9) IN TO THE CORRESPONDING TAPERED HOLE IN PART #1, THE YOKE ARM ADAPTOR. INSERT THE BUTTON HEAD SCREW (PART # 7) AND WASHER (PART # 6) AND TIGHTEN.
3. HOOK THE O-RING (PART # 5) OVER THE LIPS OF THE YOKE ARM ADAPTOR. IT'S EASY TO DO WITH YOUR FINGERS. THE O-RING IS THE SEAL TO KEEP DUST AND DIRT OUT OF YOUR CONTROL YOKE.
4. ATTACH THE RETAINER (PART # 2) TO THE YOKE ARM ADAPTOR WITH THE TWO 10-32 SOCKET CAP HEAD SCREWS (PART # 4) AND WASHERS (PART # 3). THREAD THE SCREWS IN JUST FAR ENOUGH THAT THEIR END IS FLUSH WITH THE BACK FACE OF THE RETAINER.
5. SITTING IN THE PLANE, REMOVE THE FACTORY SPRING STEEL COVER FROM THE INSPECTION HOLE ON THE BACK OF YOUR YOKE. YOU CAN PROBABLY DO THIS WITH YOUR THUMBNAIL (IT'S NOT IN THERE VERY TIGHT) BUT IT MIGHT BE EASIER TO LEVER IT OFF WITH A SMALL SCREWDRIVER. NO FORCE SHOULD BE NECESSARY.
6. THREAD ONE END OF THE RETAINER THROUGH THE INSPECTION HOLE AND SLIDE THE WHOLE ASSEMBLY TO THAT SIDE UNTIL THE BOLT TOUCHES THE HOLE'S EDGE. THE OTHER END OF THE RETAINER WILL NOW BE CLEAR OF THE OTHER END OF THE HOLE AND CAN BE INSERTED. SETTLE THE ADAPTOR INTO THE HOLE AND TIGHTEN THE TWO 10-32 SCREWS WITH THE LARGE ALLEN KEY. THIS IS MUCH EASIER TO DO THAN DESCRIBE AND SHOULD TAKE ONLY A FEW SECONDS.
7. WHEN THE RETAINING SCREWS ARE TIGHT, THE WHOLE ASSEMBLY WILL BE FIRM AND RIGID. LOOKING DOWN FROM ABOVE, YOU SHOULD SEE THE ADAPTOR WILL BE SETTLED COMPLETELY INTO THE INSPECTION HOLE. BECAUSE THE YOKE ARM'S BACK FACE IS CURVED, THE ADAPTOR WILL

ONLY TOUCH AT THE CENTRE. THE TOP AND BOTTOM EDGES WILL BE CLEAR OF THE YOKE CASTING AND THE GAP WILL BE FILLED AND SEALED BY THE O-RING.

8. AS YOU PROBABLY KNOW, THERE IS A CHAIN INSIDE YOUR YOKE ASSEMBLY THAT TRANSMITS THE DRIVE FROM THE YOKE TO THE CENTER COLUMN. THIS MOUNT'S RETAINER IS DESIGNED TO FIT BETWEEN THE CHAIN RUNS AND, BY DESIGN, THERE IS PLENTY OF CLEARANCE. THIS SAID, MAKE SURE THERE IS NO INTERFERENCE WITH YOUR AILERON CONTROLS BY OPERATING THEM THROUGH THEIR WHOLE RANGE. IF YOU FEEL ANY INTERFERENCE AT ALL, INVESTIGATE THE REASONS THOROUGHLY AND FIX THEM BEFORE GOING FLYING.
9. SCREW THE RAM BALL (PART # 8) INTO THE END OF THE RAM BALL ADAPTOR. BECAUSE IT'S RUBBER, YOU CAN GENERALLY GRIP IT WELL ENOUGH BY HAND TO TIGHTEN IT THOROUGHLY. THIS SAID, TO BE REALLY SURE IT WON'T COME UNDONE, WE SUGGEST USING SOME THREADLOCKING COMPOUND.
10. FIT THE REMAINDER OF YOUR RAM MOUNT TO THE BALL.
11. REMEMBER TO MAKE SURE THE EQUIPMENT YOU'VE JUST MOUNTED DOES NOT GET IN THE WAY OF OPERATING THE YOKE OR ANY OTHER CONTROLS. IF YOU'VE FITTED THE MOUNT TO A THROW-OVER YOKE, PLEASE ALSO MAKE SURE IT'S CLEAR ON THE CO-PILOT'S SIDE. IT SHOULD BE BUT CHECK ANYWAY.
12. IF YOU WANT TO REMOVE THE MOUNT FROM YOUR YOKE, UNDO THE SCREWS JUST ENOUGH TO WRIGGLE THE RETAINER OUT OF THE HOLE. YOU DON'T WANT TO DROP THE RETAINER INSIDE THE YOKE BECAUSE IT WILL BE A BEAR TO GET OUT.

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 WITH ANY QUESTIONS YOU MAY HAVE. GOOD LUCK AND ENJOY!