

# COMANCHE GEAR



10340 REGENT CIRCLE ∞ NAPLES, FL 34109  
PHONE & FAX 239/593-6944 ∞ CELL 239/404-7524

THE LANDING GEAR PUSH-PULL CABLES INSTALLATION MANUAL IS \$100. THE PRICE INCLUDES THE SPECIAL TOOLS RENTAL, AND ALL THE KNICK-KNACKS REQUIRED TO COMPLETE THE CABLES REPLACEMENT. THOSE SMALL PARTS ARE ALL IN LABELED BAGGIES, NO GUESS-WORK INVOLVED. I'VE SPENT WAY TOO MANY HOURS WRITING THE MANUAL, AND MORE TIME SOURCING AND PACKAGING THE SMALL PIECES. THE MANUAL IS LOADED WITH DIAGRAMS AND COLOR PHOTOS WITH DESCRIPTIONS AND HINTS AND WILL TAKE THE GUESS-WORK OUT OF YOUR INSTALLATION.

THE FOLLOWING IS A LIST OF WHAT'S INCLUDED: 78 PIECES OF HARDWARE [ALL LABELED AND BAGGED], PLUS MORE STUFF.

- ★ 26 PAGE COMB-BOUND MANUAL.
- ★ CUSHIONED CLAMPS, SCREWS, SPACERS, WASHERS AND NUTS.
- ★ WING SPAR TEFLON® CHAFE STRIPS AND TY-RAPS.
- ★ SEALING PUTTY FOR THE FUSELAGE HOLES WHERE THE CONDUITS EMERGE.
- ★ BOLTS, WASHERS, NUTS AND JAM NUTS FOR THE MAINS.
- ★ 3/8", 1/4" AND 1/8" CLEVIS PINS, WASHERS AND COTTER PINS; VARIOUS USAGES.
- ★ BOLTS AND WASHERS FOR MOUNTING THE CONDUIT BRACKETS; YOU WILL REMOVE THEM AND REFINISH DUE TO RUST, RIGHT?
- ★ JAM NUTS, CLEVIS SCREW, NUT AND WASHERS FOR THE NOSE PUSH-PULL ROD.
- ★ THICK AND THIN GEAR LEG BUMPER PADS; THICK AND THIN GEAR DOOR BUMPERS.
- ★ A TUBE OF LUBRIPLATE® FOR THE OBVIOUS.
- ★ OPTIONS: THE MAIN GEAR ASSIST-SPRING SWIVEL ASSEMBLIES, REFURBISHED AND CADMIUM PLATED FOR \$30/PAIR EXCHANGE. YOURS MAY BE FROZEN SO TAKE A LOOK BEFORE YOU ORDER THE INSTALLATION MANUAL AND KIT. ANOTHER OPTION IS THE CONDUIT MOUNTING BRACKETS AND HARDWARE; \$60/PAIR EXCHANGE. THESE HAVE BEEN GLASS-BEAD BLASTED AND CADMIUM PLATED; YOU PAINT TO MATCH AS/IF DESIRED.
- ★ YOUR PURCHASE INCLUDES RENT OF THE SPECIALLY-MANUFACTURED TOOLS; THE PIPER SPECIAL TOOL "CONDUIT WRENCH"; AND MY OWN DESIGN "SETTING GAUGE" WHICH TAKES THE GUESS-WORK OUT OF THE 10.875" DIMENSION AND KEEPS THE TRANSMISSION OUT OF THE WAY DURING THIS PROCESS - ANOTHER TIME-SAVING AND FRUSTRATION-AVOIDING ISSUE. THESE ARE AVAILABLE WHEN YOU ARE READY TO START THE INSTALLATION. A \$125 DEPOSIT IS REQUIRED; REFUNDABLE UPON RETURN OF THE UNDAMAGED TOOLING. INSTRUCTIONS ARE IN THE MANUAL FOR USE OF THE TOOLS. AND ONE MAY ALSO PURCHASE THE TOOLS NEW FOR \$125.

THE VALUE IN YOUR HUNDRED-BUCKS ISN'T JUST WHAT'S INCLUDED HARDWARE-WISE, ALTHOUGH YOUR TIME AND MONEY SPENT TO ACQUIRE JUST THOSE REQUIRED PIECES IS PROBABLY WORTH MORE THAN \$50 ALONE; AND SEVERAL OF THE INCLUDED PIECES WILL BE DIFFICULT TO FIND LOCALLY AS I DISCOVERED. THE REAL VALUE IS IN THE ACCUMULATED KNOWLEDGE FROM MANY INSTALLATIONS. THAT INFORMATION WILL SAVE TIME AND PROVIDE CLARITY FOR WHOEVER INSTALLS THE CABLES; AND THE OWNER SAVES THE MONEY. THE COMANCHE SERVICE MANUALS HAVE MISTAKES CAUSING CONFUSION AND POTENTIALLY MISTAKES IN THE PROCESS, IF FOLLOWED; THOSE MISTAKES WOULD OTHERWISE NEED TO BE DISCOVERED.

THE REAL CHALLENGE MAY BE TO FORCE THE INSTALLING AGENCY'S INSTALLATION TEAM TO READ THE INSTALLATION MANUAL AND UNDERSTAND [SEEMS TO BE A UNIVERSAL PROBLEM].

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**TOOLING AND BAGGIE CONTENTS**

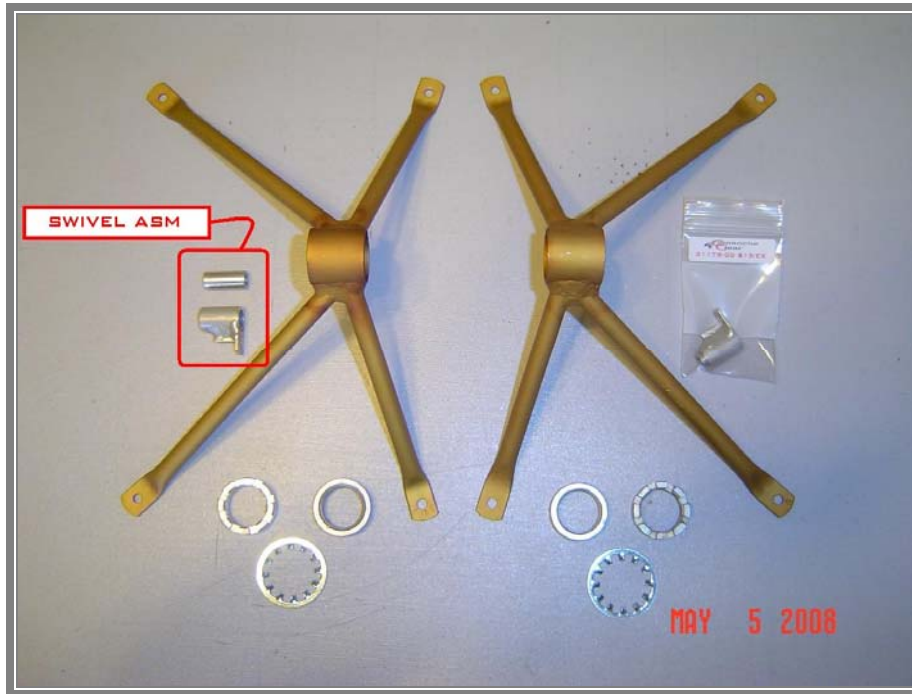


**BAGGED HARDWARE PLUS OTHER COMPONENTS**

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OPTIONAL CADMIUM PLATED COMPONENTS AVAILABLE ON EXCHANGE BASIS ONLY. THE CONDUIT MOUNTING BRACKETS, CASTLE NUTS AND WASHERS ARE \$60 AS SHOWN. THE SWIVEL ASSEMBLIES FOR MAIN GEAR ASSIST SPRINGS ARE \$30 THE PAIR AS SHOWN. CADMIUM WILL USUALLY BE SILVER; THE GOLD CAD BRACKETS PICTURED HERE WERE A SPECIAL ORDER.

