

# COMANCHE GEAR



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

THE LANDING GEAR CONDUIT INSTALLATION MANUAL IS \$100. THE PRICE INCLUDES ALL THE SMALL PARTS REQUIRED TO COMPLETE THE CABLES REPLACEMENT WHICH ARE ALL IN LABELED BAGGIES, NO GUESS-WORK INVOLVED. THE MANUAL IS LOADED WITH DIAGRAMS AND COLOR PHOTOS WITH DESCRIPTIONS AND HINTS AND WILL TAKE THE GUESS-WORK OUT OF YOUR INSTALLATION. A SMALL DEPOSIT MAY BE REQUIRED FOR THE SPECIAL TOOLS RENTAL. PLEASE SCHEDULE THIS WITH YOUR INSTALLATION TIME FRAME; THE TOOLS ARE IN SHORT SUPPLY.

THE FOLLOWING IS A LIST OF WHAT'S INCLUDED: 80 PIECES OF HARDWARE [ALL LABELED AND BAGGED], PLUS MORE STUFF.

- ✱ 32 PAGE COMB-BOUND COPYRIGHTED 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 GEAR PUSH-PULL ROD.
- ✱ THICK AND THIN GEAR LEG BUMPER PADS [YOU SUPPLY THE ADHESIVE]; THICK AND THIN GEAR DOOR BUMPERS WITH SILICONE GREASE TO EASE THE INSTALLATION.
- ✱ 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; LIMITED SUPPLY, NOT ALWAYS AVAILABLE.
- ✱ \$25 FOR 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 HOPEFULLY WILL BE AVAILABLE WHEN YOU ARE READY TO START THE INSTALLATION. A \$125 DEPOSIT MAY BE REQUIRED; REFUNDABLE UPON RETURN OF THE UNDAMAGED TOOLING. ONE MAY ALSO PURCHASE BOTH OF THE TOOLS FOR \$130.

THE VALUE IN YOUR HUNDRED-BUCKS ISN'T JUST WHAT'S INCLUDED HARDWARE-WISE, ALTHOUGH THE MONEY AND ESPECIALLY YOUR TIME SPENT TO ACQUIRE THOSE REQUIRED PIECES YOU WILL FIND IS WORTH MORE THAN \$50; 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, 44 AND COUNTING. THAT DETAILED INFORMATION WILL SAVE TIME AND PROVIDE CLARITY FOR WHOEVER INSTALLS THE CABLES; AND THE OWNER SAVES THE MONEY. THE COMANCHE SERVICE MANUALS ONLY LIGHTLY COVER THIS PHASE AND HAVE MISTAKES CAUSING CONFUSION AND POTENTIALLY MISTAKES IN THE PROCESS; 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**

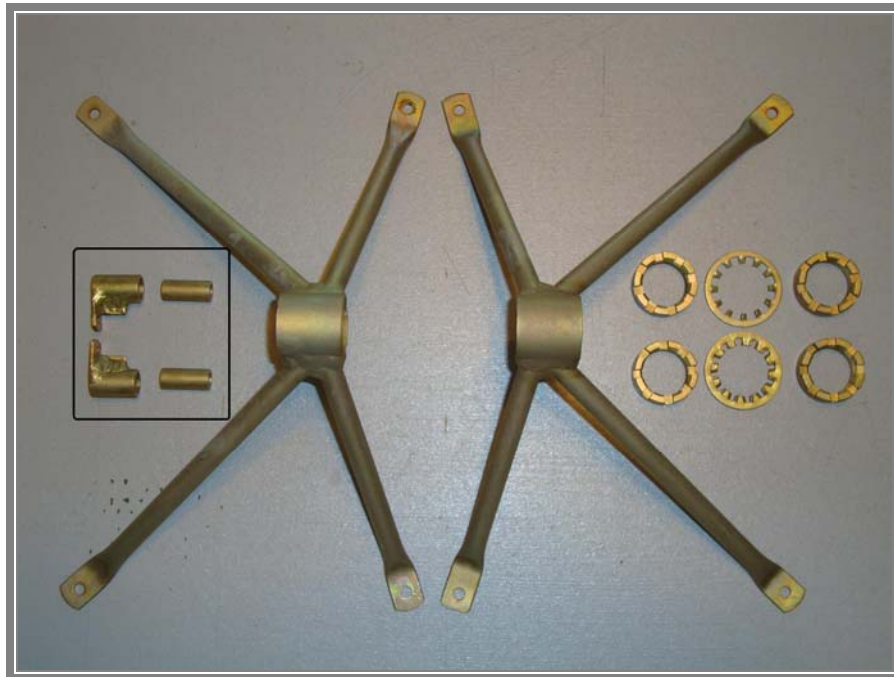


**BAGGED HARDWARE PLUS OTHER COMPONENTS**

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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 OUTLINED.

