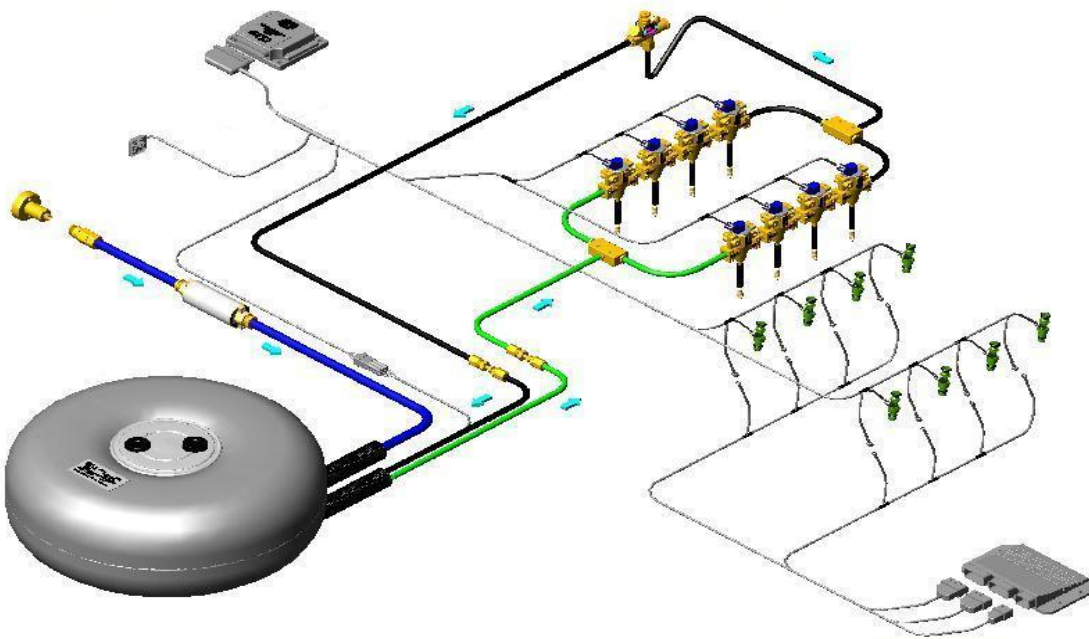




INLINE FUEL FILTER REPLACEMENT INSTRUCTIONS



P11X4-9222-AA

Revision: A - Dated 2/6/13

Replaces: None



SAFETY WARNING

**READ BEFORE STARTING THE SERVICING OF THE ICOM JTG SYSTEM.
ENSURE THAT ALL PERSONNEL IN THE IMMEDIATE AREA ARE AWARE OF THESE REMINDERS.**



PROPANE IS A NONTOXIC, NONPOISONOUS GAS THAT IS EXTREMELY FLAMMABLE. IF SOMETHING IGNITES IT, YOU COULD BE BADLY BURNED. KEEP SPARKS, OPEN FLAMES AND SMOKING MATERIAL AWAY FROM PROPANE.



LIQUID PROPANE IS EXTREMELY COLD (-40° F) AND CAUSE SERIOUS BURNS WHEN CONTACTING YOUR SKIN OR EYES. PREVENT CONTACT WHEN HANDLING LPG BY WEARING APPROVED PROTECTIVE GLOVES AND EYE PROTECTION.



PROPANE IS STORED UNDER PRESSURE. THE FUEL SYSTEM OPERATES AT PRESSURES OF UP TO 312 PSI. A SUDDEN RELEASE OF PROPANE CAN CAUSE SERIOUS INJURIES.

THESE INSTRUCTIONS ARE INTENDED FOR TECHNICIANS WHO ARE CERTIFIED BY ALL AGENCIES THAT GOVERN PROPANE INSTALLATIONS AND THE TRANSPORTATION OF PROPANE. THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PUBLISHES A CODE BOOK OF RULES (NFPA 58) THAT APPLY TO THE STORAGE, HANDLING, TRANSPORTATION AND USE OF LIQUEFIED PETROLEUM GAS (LPG). LOCAL PROPANE SUPPLIERS SUCH AS FERRELGAS AND AMERIGAS, AS WELL AS SOME AGENCIES SUCH AS THE TEXAS RAILROAD COMMISSION AND PERC (PROPANE EDUCATION & RESEARCH COUNCIL) OFFER INFORMATIVE COURSES TO HELP PREVENT SEVERE INJURY OR DEATH TO YOU OR SOMEONE ELSE IF YOU DON'T FULLY UNDERSTAND LPG AND ITS PROPERTIES.



IMPORTANT

IT IS IMPORTANT THAT YOU REVIEW THIS ENTIRE INSTRUCTION MANUAL BEFORE BEGINNING TO FAMILIARIZE YOURSELF WITH THE INSTALLATION PROCESS. THIS WILL HELP MINIMIZE ANY POTENTIAL ERRORS THAT MAY OCCUR IF A PROCESS IS CONDUCTED OUT OF SEQUENCE.



INSTALLATION

PLEASE REFERENCE THE APPLICABLE STANDARDS WITHIN NFPA 58, FMVSS AND CSA (CANADA ONLY) TO INSURE THE LPG COMPONENTS ARE INSTALLED PROPERLY.



THREADED FUEL LINE CONNECTORS / FITTINGS

THE ICOM FUEL HOSES ARE EQUIPPED WITH THREADED END CONNECTORS THAT SEAL WHEN THE PROPER TORQUE IS APPLIED. DO NOT USE TEFLON TAPE ON ANY FITTING AS THIS MAY GET INTO THE REGULATOR OR FUEL INJECTORS AND CAUSE FUEL PRESSURE PROBLEMS. ANY WARRANTY RETURNED COMPONENT FOUND CONTAMINATED WITH TEFLON TAPE WILL BE RETURNED.

SERVICE KIT CONTENTS

INLINE FUEL FILL FILTER ASSEMBLY		
PART NUMBER	COMPONENT	QTY
17091000	INLINE FUEL FILL FILTER ASSEMBLY	1



INSPECTION

TORQUE

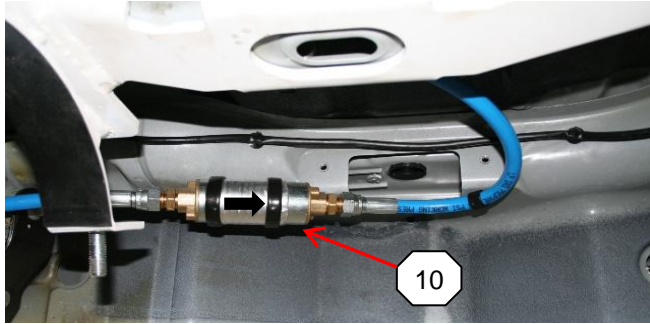
CRITICAL PROCESS



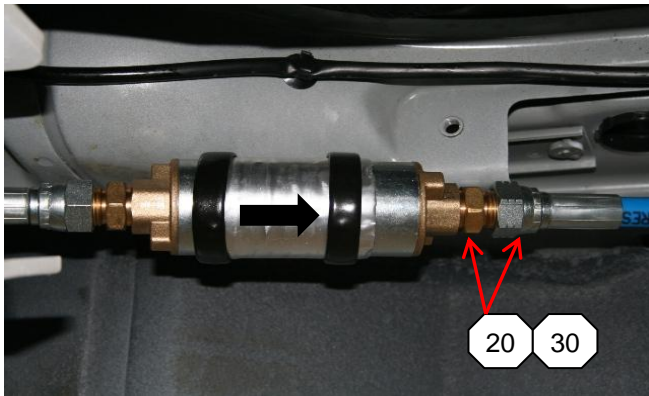
ITEM NUMBER



OPERATION

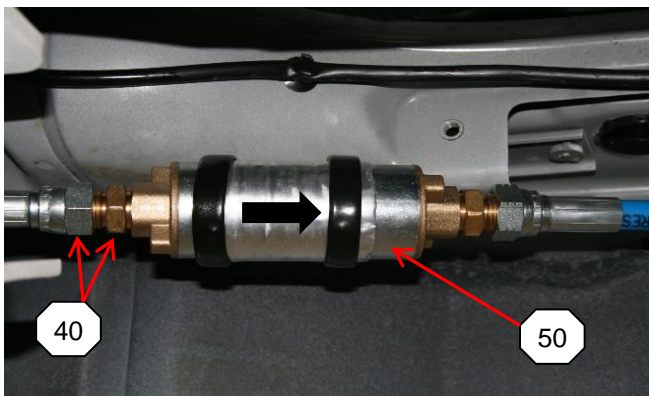


10) FROM THE UNDERSIDE OF THE VEHICLE, LOCATE THE INLINE FUEL FILL FILTER ATTACHED TO THE BLUE FILL HOSE



20) USING A 22mm WRENCH TO HOLD THE FILTER ADAPTOR FITTING IN PLACE, SLIGHTLY LOOSEN THE BLUE FILL HOSE FITTING WITH A 24mm WRENCH TO RELEASE THE PROPANE PRESSURE INSIDE THE FILL HOSE AND FILTER
(DO NOT FULLY REMOVE THE HOSE FITTING FROM THE FILTER UNTIL ALL OF THE PROPANE PRESSURE HAS BEEN RELEASED)

30) AFTER ALL OF THE PROPANE PRESSURE HAS BEEN RELEASED, FULLY LOOSEN AND REMOVE THE FUEL FILL HOSE FITTING FROM THE FILTER ADAPTOR



40) ON THE OPPOSITE END OF THE FILTER, USING A 22mm WRENCH TO HOLD THE FILTER ADAPTOR IN PLACE, LOOSEN AND REMOVE THE BLUE FILL HOSE FITTING FROM THE FILTER WITH A 24mm WRENCH

50) REMOVE FILTER FROM MOUNTING CLAMP(S)

ITEM	PART NUMBER	QTY	DESCRIPTION	TORQUE		TOOLS
				1	45Nm +/- 4.5	TORQUE WRENCH
						24mm OPEN END WRENCH
				2	25Nm +/- 2.5	22mm CROWFOOT
PROCESS NAME						REV
INLINE FUEL FILL FILTER REPLACEMENT						A
PROCESS NUMBER						PAGE
P11X4-9222-AA						1 OF 3



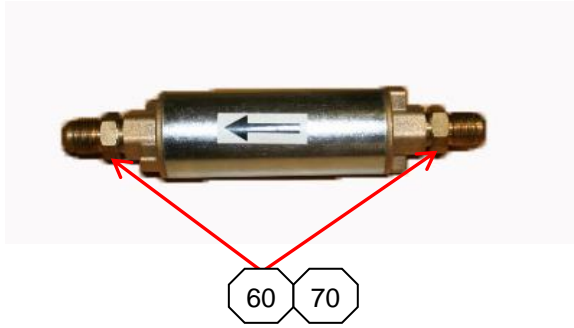
INSPECTION
TORQUE
CRITICAL PROCESS



ITEM NUMBER



OPERATION



60) PLACE THE REMOVED FILTER ON A TABLE; USING A 24mm WRENCH TO HOLD THE HEX PORTION OF THE FILTER END CAP, REMOVE THE FILTER ADAPTOR FITTING FROM THE FILTER END CAP USING A 22mm WRENCH

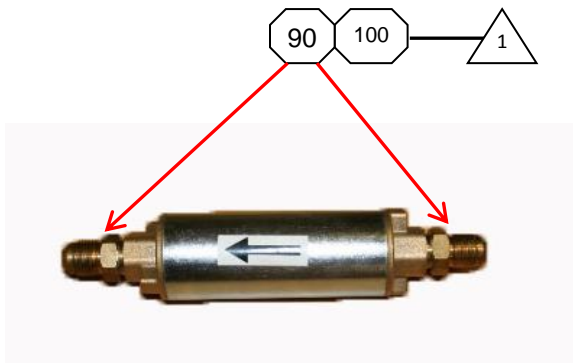
70) REPEAT STEP #60 FOR OPPOSITE END OF FILTER ASSEMBLY



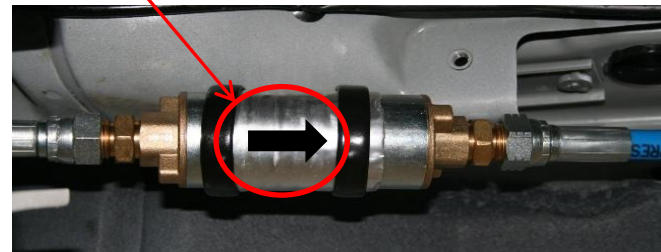
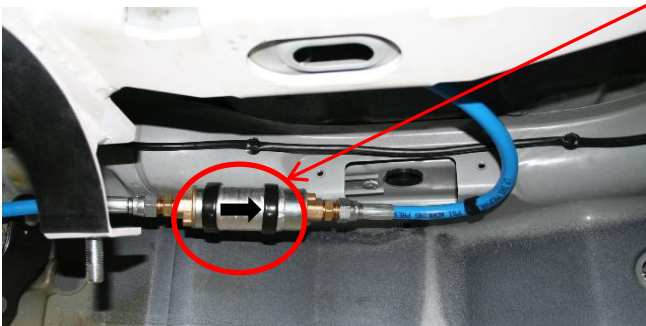
80) OBTAIN REPLACEMENT FILTER ASSY (A)


90) CAREFULLY HANDSTART THE FILTER ADAPTOR FITTINGS REMOVED IN STEPS 60 AND 70 INTO EACH END OF THE REPLACEMENT FILTER ASSY

100) USING A 24mm OPEN END WRENCH TO HOLD THE HEX PORTION OF THE FILTER END CAP, TORQUE BOTH FILTER ADAPTOR FITTINGS WITH A 22mm OPEN END CROWFOOT AND TORQUE WRENCH TO 45 Nm +/- 4.5



110) INSERT THE REPLACEMENT FILTER ASSY INTO THE MOUNTING CLAMP(S) WITH THE ARROW ON THE FILTER POINTING IN THE DIRECTION TO THE FUEL TANK **(THE ARROW MUST BE POINTING IN THE DIRECTION THAT FUEL FLOWS FROM THE FILL VALVE TO THE FUEL TANK)**



ITEM	PART NUMBER	QTY	DESCRIPTION	TORQUE	TOOLS
A	17091000	1	FUEL FILTER ASSY	 45Nm +/- 4.5	TORQUE WRENCH 24mm OPEN END WRENCH 22mm CROWFOOT
PROCESS NAME					REV
INLINE FUEL FILL FILTER REPLACEMENT					A
PROCESS NUMBER					PAGE
P11X4-9222-AA					2 OF 3



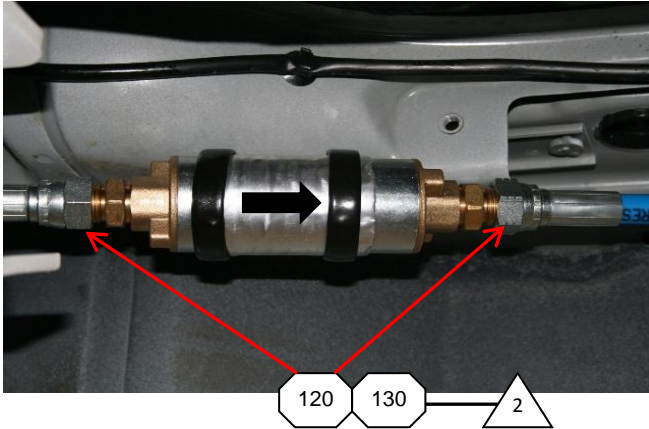
INSPECTION
TORQUE
CRITICAL PROCESS



ITEM NUMBER




OPERATION



120) HANDSTART THE BLUE FILL HOSE FITTINGS ONTO EACH END OF THE FUEL FILTER ASSY

130) USING A 22mm WRENCH TO HOLD THE FILTER ADAPTOR FITTING IN PLACE, TORQUE THE FITTING ON THE HOSE WITH A 22mm OPEN END CROWFOOT AND TORQUE WRENCH TO 25 NM +/- 2.5

NOTE - THE FILTER AND HOSE FITTINGS MUST BE LEAK CHECKED WITH A LEAK DETECTION FLUID (OR SOAPY WATER) AFTER THE NEXT FUEL FILL TO INSURE NO LEAKS ARE PRESENT

ITEM	PART NUMBER	QTY	DESCRIPTION	TORQUE	TOOLS
					TORQUE WRENCH 24mm OPEN END WRENCH 22mm CROWFOOT
				25Nm +/- 2.5	
PROCESS NAME					REV
INLINE FUEL FILL FILTER REPLACEMENT					A
PROCESS NUMBER					PAGE
P11X4-9222-AA					3 OF 3

