

- 1. ALL ENGINEERING PRACTICES SHALL BE APPLIED WITH REGARDS TO HOLE AND SHAFT TOLERANCES. 2. WHERE SCREWS OR BOLTS ARE USED THE CLEARANCE HOLES SHALL BE APPROXIMATELY 5% TO 8% LARGER
- 3. PREFERABLY ALL TAPPED HOLES AND MATCHING SCREWS AND/OR BOLTS TO BE METRIC FINE (MF) 4. MATERIALS SPECIFIED ON THE DRAWINGS ARE INDICATIVE ONLY. THE BUILDER CAN MAKE HIS/HER OWN
- 5. ALL CONNECTIONS/JOINTS WHICH HAVE STEAM PRESSURE APPLIED TO IT SHALL BE SILVER/HARD SOLDERED. 6. COMPRESSION SPRINGS ARE DRAWN IN COMPRESSED STATE (CP), UNCOMPRESSED STATE IS APPROX 40% TO
- 7. WHERE PREFERRED SCREW OR RIVETED CONNECTIONS CAN BE OMITTED AND PARTS CAN BE BONDED TOGETHER BY USING EITHER HIGH STRENGTH GLUE, EPOXY RESIN, OR SOLDER. 8. PARTS WHICH ARE DIRECTLY EXPOSED TO STEAM AND/OR WATER SHOULD BE CONSTRUCTED USING NON-
- FERROUS OR NON CORROSIVE MATERIAL SUCH AS BRASS, BRONZE, GUNMETAL, STAINLESS STEEL, COPPER OR
- 9. THE ORDER IN WHICH THE PARTS/COMPONENTS ARE MANUFACTURED AND THE MODEL IS ASSEMBLED IS
- 11. THE MANNER IN WHICH THE PARTS/COMPONENTS ARE MANUFACTURED IS ENTIRELY LEFT UP TO THE BUILDER. 12. USE LOCTITE, ON SCREW OR PRESS FIT CONNECTIONS OR SURFACES, WERE DEEMED NECESSARY TO PREVENT
- 13. WASHERS AND/OR SPRINGWASHERS SHALL BE USED WHERE DEEMED NECESSARY. XX. ERRORS AND/OR OMISSIONS MAY OCCUR IN THE DRAWINGS, DO NOT HESITATE TO CONTACT ME SO THAT THE ERRORS/OMISSIONS CAN BE RECTIFIED.

	DUE TO THE LACK OF INFORMATION ON THE PICTURE(S), SUCH AS VIEWS, DIMENSIONS, SECTIONS ETC AND/OR CLARITY OF COMPONENTS, SOME OF THE COMPONENTS MIGHT NOT BE AS CONSTRUCTED ORIGINALLY	MATERIAL ABBREVIATIONS: ALU = ALUMINIUM HALU= HARD ALUMINIUM BRS = BRASS BRZ = BRONZE OR GUNMETAL (BRZ/GM) CI = CAST IRON CU = COPPER GRA = GRAPHITE MS = MILD STEEL/BRIGHT MILD STEEL SS = SILVER STEEL OR STAINLESS STEEL SPS = SPRING STEEL PEEK= POLYETHER ETHER KETONE SYN = SYNTHETIC MATERIAL SUCH AS VETON, NYLON, TEFLON OR RUBBER IN GENERAL SYNTHETIC MATERIALS SOULD BE ABLE TO WITHSTAND THE HEAT AND PRESSURE(S) APPLIED TO THEM. NDN/DDD MEANS THAT EITHER MATERIAL CAN BE USED
		OTHER ABBREVIATIONS AS = AS SHOWN DP = DEEP DAA= DRILL AFTER ASSEMBLY D&TAA= DRILL AND TAP AFTER ASSEMBLY CF = CLOSE FIT (SIZE FOR SIZE) PF = PRESS FIT PFAA= PRESS FIT AFTER ASSEMBLY PCD = PITCH CIRCLE DIAMETER RM = REAM HEX = HEXACON, 6SIDED CP = COMPRESSED KNL = KNURLED CSK = COUNTERSINK PL = PLACES DWL= DOWEL SPF= SPOTFACE (T)HESOC=(TAPPED)HOLES EQUALLY SPACED ON PCD (T)HESOC=(TAPPED)HOLES EQUALLY SPACED ON CIRCUMFERENCE OD = OUTSIDE DIAMETER ID = INSIDE DIAMETER MAX/MIN = CRITICAL DIMENSION [SA-xxx] = SUB ASSEMBLY-xxx
		QTY. PART NUMBER 1 09E-57-00-1-01-BASIC ENGINE 1 09E-57-00-2-01-BALANCED BEAM 1 09E-57-00-2-02-PISTON 1 09E-57-00-2-03-PISTON LINKS 1 09E-57-00-2-04-CRANK SHAFT 1 09E-57-00-2-05-CON-ROD 1 09E-57-00-2-07-CON-ROD 1 09E-57-00-2-07-ECCENTRIC LINK 1 09E-57-00-2-07-ECCENTRIC LINK 1 09E-57-00-2-09-ECCENTRIC STRAP LINK 1 09E-57-00-M3 DOME NUT 8 09E-57-00-M3 KAFR 1 09E-57-00-M3 KAFR 1 09E-57-00-M3 KAFR 1 09E-57-00-M3 KAFR
	CT No 09E-57-00	JDWDS MODEL SCALE: 1.1
J.A.M. DE	N URAUGHTING SERVILES	JDVVDS DWG SCALE: 1:1 @A3 OR AS SHOWN BER 2021 Copyright@ J.A.M. DE WAAL PAPAKURA NZ
2110. NEV 021179100	W ZEALAND. PHONE: 0064 09 2988815. MOB: 00 E-MAIL: dewaal@xtra.co.nz. SHEET:	01 OF 02 A3 No: 09E-57-00-SHT-01
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