

THIS DRAWING IS PROPERTY OF KATOLIGHT CORPORATION AND IS INTENDED FOR USE WITH OUR VENDERS AND CUSTOMERS. ANY CHANGES/MODIFICATIONS BY OTHERS MAY VOID DRAWING. DRAWING CHANGES MUST BE DONE BY KATOLIGHT AND MAY BE DONE SO AT ANYTIME.

LC550/L Series INITIAL ADJUSTMENTS:

THE MAIN ADJUSTMENT SCREW (MAS) SETTINGS ARE MEASURED FROM THE MAS VALVE BODY (NOT THE JAM NUT) TO THE EXTERIOR END OF THE MAS SCREW. THE ZERO-PRESSURE REGULATOR SETTINGS ARE MEASURED FROM THE TOP OF THE SPRING ADJUSTMENT SCREW TO THE TOP OF THE SPRING TOWER.

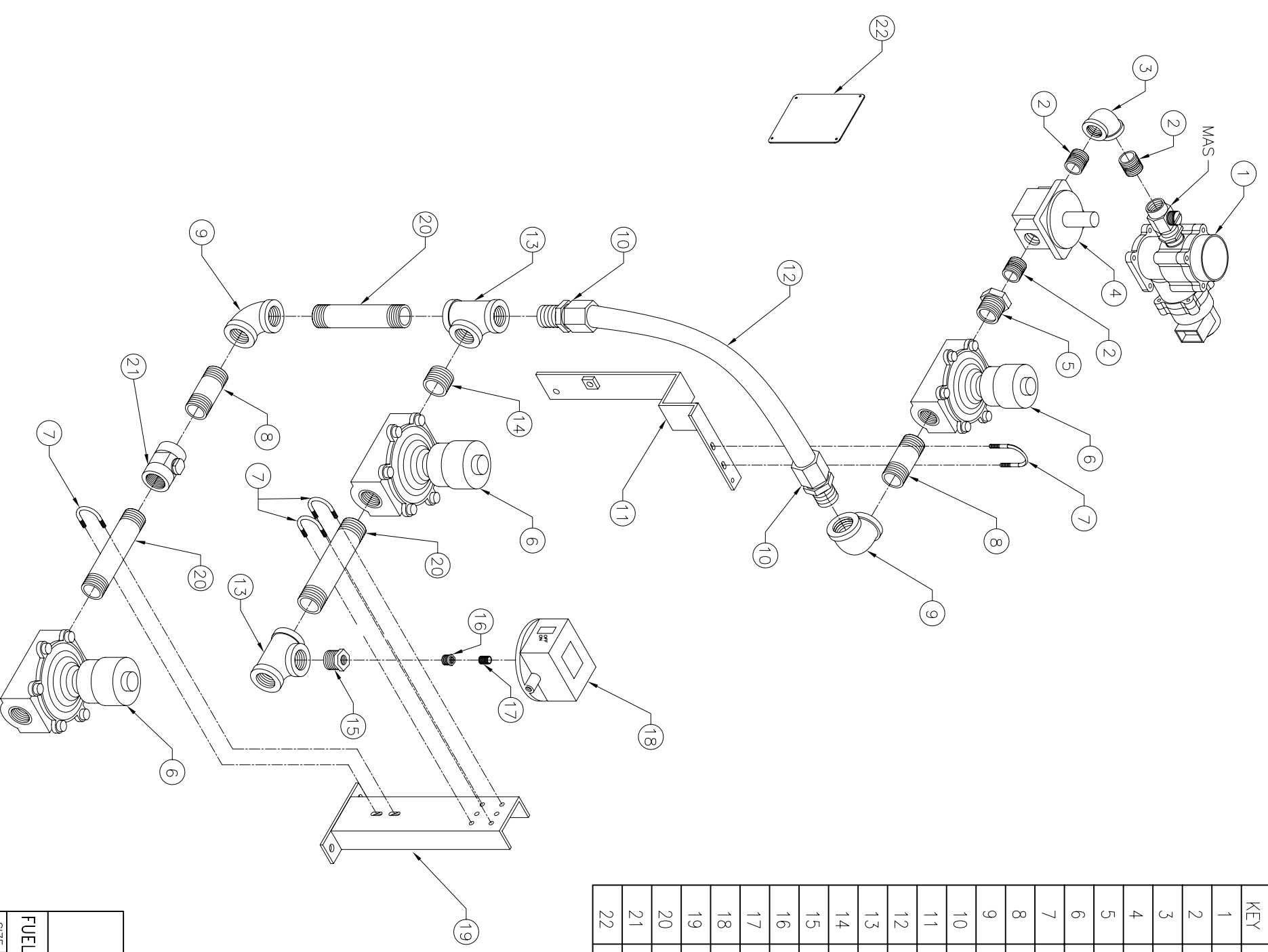
THESE INITIAL SETTINGS SHOULD GET THE GENSETS UP AND RUNNING FOR THE FINAL ADJUSTMENTS WITH AN OXYGEN SENSOR OR EXHAUST ANALYZER. THE MAS SHOULD BE ADJUSTED FIRST WITH SIGNIFICANT (75-95°) LOAD ON THE ENGINE. THE ZPR SHOULD THEN BE ADJUSTED AT NO-LOAD. ONE OR TWO MORE ITERATIONS AT FULL LOAD FOR THE MAS AND NO LOAD FOR THE ZPR SHOULD PROVIDE THE CORRECT AIR/FUEL RATIO OVER THE ENTIRE OPERATING RANGE.

FOR DUAL-FUEL CONFIGURATIONS, THE STANDARD NG FUEL SET UP SHOULD HAVE A TEE ADDED BETWEEN THE ZPR AND MAS. THE SIDE-LEG OF THE TEE SHOULD THEN HAVE THE MAS AND ZPR FOR THE LP FUEL. THE INITIAL SETTINGS FOR THE DUAL-FUEL NG AND LP ARE THE SAME AS THE SINGLE-FUEL SETTINGS BELOW. THE FINAL AIR/FUEL RATIO ADJUSTMENTS SHOULD BE DONE ON NG FIRST, THEN LP, USING THE PROCEDURE ABOVE FOR EACH FUEL.

50MM LC550/L Series (5.7 GM)
 NG: MAS (3/4") 19MM, ZPR (MAXITROL R600Z) (5/8) 16MM
 LP (VAP): MAS (5/8") 16MM, ZPR (MAXITROL R600Z) (9/16) 14MM
 TIMING: NG=34° LP=32°

ENERGIZE TO RUN GROUND

CONTROL PANEL	+ TERMINAL #	-TERMINAL #
EASYGEN	2	9



BILL OF MATERIAL			
KEY	QTY	PART NO	DESCRIPTION
1	1	71347	50MM LC50 CONTROLLER
2	3	47418	3/4 NPT X CLOSE NIPPLE
3	1	47426	3/4 NPT 90° ELBOW
4	1	71352	R600Z ZPR REGULATOR
5	1	48547	1 NPT TO 3/4 NPT BUSHING
6	3	46021	SOLENOID VALVE
7	4	75983	1/4" X 1 1/8" U-BOLT
8	2	48509	1 NPT X 3 NIPPLE
9	2	47427	1 NPT 90° ELBOW
10	2	73694	TRAC-PIPE FITTING 1" X 1 NPT
11	1	77006	BRACKET FUEL LINE SUPPORT
12	1	73692	TRAC-PIPE LINE 1"
13	2	48533	1 NPT TEE
14	1	47530	1 NPT X CLOSE NIPPLE
15	1	48556	1 NPT X 3/8 NPT BUSHING
16	1	47440	3/8 NPT X 1/4 NPT BUSHING
17	1	47404	1/4 NPT X CLOSE NIPPLE
18	1	46207	PRESSURE SWITCH
19	1	77182	BRACKET DUAL FUEL SUPPORT
20	3	48511	1 NPT X 6 NIPPLE
21	1	41028	LOAD ADJUST VALVE 1 NPT
22	1	74879	FUEL CONSUMPTION TAG

KATOLIGHT
 MANKATO, MINNESOTA

FUEL SYSTEM 5.7L GM DUAL FUEL NG/LP UL "TARGET"

SIZE	DATE	DWG NO
B	4-28-05	450-057-25

DRAWN TO SCALE DWN BY CAS SHEET 1 OF 1