

ISUZU MOTORS AMERICA, LLC PowerTrain Division		MODEL ISZJ SPEC NO. DWG NO./DATE		4LE2PW15 IS-04-053-0 E3-1038-033-0, 5/28/2004	
BASIC ENGINE DESCRIPTION		2.2L, 4CYL, 4 STROKE, WTR COOLED, OHV, I/L, DIRECT INJECTED, NATURALLY ASPIRATED DIESEL B=85mm, S=96mm, CR=18.8:1, GLOW PLUG ASSISTED START			
ENGINE CONFIGURATION		INDUSTRIAL F/F US EPA (Tier 2) & EC (Stage 2) CERTIFIED		ENGINE PERFORMANCE* 52 BHP @ 3000 RPM 105 FT-LB @ 2250 RPM LOW IDLE SPEED: 1000 RPM HIGH IDLE SPEED: 3300 RPM	
SPECIFIC OEM INFORMATION		ISZA STD		DATE OF ISSUE: 10/25/2011 ISZA	
				DATE RELEASED: 9/12/2005	
				PREVIOUS ISSUE DATE: 10/18/2005 ISZA	
<b>SPECIFICATION INFORMATION</b>					
PART NAME		PART NUMBER	TYPE	PART DESCRIPTION	
FLYWHEEL HSG		8-97264-961-1	HSG	SAE #5 w/METRIC THREADS w/FLAT SD MT PADS-100mm DEEP, w/TACH PORT 3/4"-16 @ APPROX. 2 O'CLOCK	
STUD, FLYWHEEL HSG		1-09302-107-0		QTY 2 (INSTALLED), L=145mm TOTAL (130mm PROTRUDING)	
OIL PAN		8-97171-126-0 8-97171-127-0	ASM BASIC	FULL SUMP, 8.4L MAX, 5.9L MIN, 30° INCLINATION ALL DIR, HIGH SPEED TYPE	
DIPSTICK		8-94422-595-0		INSTALLED ON RH CYL BLK	
FLYWHEEL		8-97164-530-0 8-97164-532-1	ASM BASIC	SAE 7.5" OVER CTR CLUTCH w/PILOT BRG BORE w/DRIVE RING Z=108	
CRANK PULLEY		8-97226-830-1		EFF DIA=123mm, SINGLE GROOVE, w/PTO PROVISION, FOR A-TYPE BELT, w/DAMPER	
OIL FILTER		N/A 8-94456-741-2	ASM ELEM	SYSTEM; FULL FLOW w/REPLACEABLE SPIN-ON PAPER ELEM TYPE FILTER @ ENG RR RH SD	
FUEL FILTER		8-97014-204-1 8-97172-549-1	ASM ELEM	REPLACEABLE SPIN-ON PAPER ELEM TYPE FILTER @ ENG LWR FRT RH SD	
WATER PUMP		8-97254-148-3	ASM	CENTRIFUGAL VANE TYPE-WATER HRZ INLET TWD RH SD OD=34mm HIGH FLOW	
WATER OUTLET PIPE		8-97258-479-2		SIDEWARD TWD LH SD OD=32mm HIGH FLOW	
WATER INLET PIPE		N/A		T-PIPE FOR OIL COOLER CONN OD=34mm	
COOLING FAN		SHIPPED LOOSE			
FAN PULLEY		8-97226-855-0		1-GROOVE EFF DIA=110mm RATIO=1.12:1, FOR A-TYPE BELT	
FAN SPACER		8-97063-400-3 9-13642-078-0		STEEL L=4.5mm (TEMPORARILY ATTACHED TO ENG) ALUMINUM L=32mm (TEMPORARILY ATTACHED TO ENG)	
BOLT, FAN FIXING		0-28050-850-0		QTY 4, M8 x 50mm	
OIL COOLER		N/A	ASM	MOUNTS BETWEEN OIL FILTER ADAPTER & OIL FILTER @ ENG RR RH SD	
INLET MANIFOLD		N/A		INTEGRAL PART OF CYL HD COVER	
AIR INLET PIPE		8-97227-603-0		90° ELBOW, RRWD ANGLED UPWD (CAN BE RE-ORIENTED TO VERTICAL SLIGHTLY FORWARD POSITION)	
*Rating: SAE J1995		Engine Model Specification continued on the following page.			

This is a continuation of the engine specifications from the preceding page.	MODEL:	4LE2PW15
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PART NAME	PART NUMBER	TYPE	PART DESCRIPTION
EXHAUST MANIFOLD	8-97117-590-1		SD OUTLET 4 M8x1.25mm STUD FLG LOC ENG LH SD 50mm SQ BOLT PTN
GASKET, EXHAUST	8-97042-028-0		TEMPORARILY FIXED TO EXH MANIF OUTLET
TURBOCHARGER	N/A	ASM	
EXHAUST ADAPTOR	N/A		
MOUNTS	N/A		NONE
INJECTION PUMPS	8-97351-985-0	ASM	BOSCH/ZEXEL, IN-LINE PFR TYPE, EACH CYL HAS ITS OWN PUMP
GOVERNOR	8-97363-269-0	ASM	VARIABLE SPEED TYPE, 10% REGULATION
STARTER	8-97112-865-2	ASM	DENSO 12V-2.0kW GEAR REDUCTION TYPE
ALTERNATOR	8-97225-117-0	ASM	DENSO 12V-35A BUILT-IN REGULATOR NO TACH PROVISION, FOR A-TYPE BELT
GLOW PLUG	8-97364-128-1		QOS-III FOR 12V ELECTRIC
SHUT DOWN SOLENOID	8-97329-568-0	ASM	12V ENERGIZED TO RUN, wo/INT CIRC BRKR, wo/DIAGNOSTIC LEAD
FUEL PUMP	8-97183-013-0	ASM	ELECTRIC 12V MOUNTED @ ENG RH SD WATERPROOF
COOLANT TEMP SW	DELETE		PT 3/8 THREAD, T < 105° C (221° F) = OPEN, 1 POLE
OIL PRESSURE SW	9-82720-069-0		1 POLE, P > 14 PSI = OPEN
TACHOMETER DRIVE	N/A	ASM	
EMISSION LABEL	EPA ENGINE FAMILY NO. 7SZXL02.2GNA  EC TYPE APPROVAL NO. e4*97/68GA*2001/63* 0079*00	EPA & EC (COMB)	EPA & EC COMBINED LABEL, LOC ENG RH SD; FOR Y2007, EPA (Tier 2), EC (Stage 2)
<b>SPECIFICATION INFORMATION FOR SHIP LOOSE ITEMS</b>			
START SW	8-94402-500-0	ASM	3 POS SW: PRE-HEAT RUN/ACC START
CONTROL RESISTOR	8-94173-948-0	ASM	FOR QOS-III GLOW PLUGS
VOLTAGE REGULATOR	N/A		INTERNAL IN ALTERNATOR
OWNER'S MANUAL	IDE-6034		SPEC. TO 4LE2-SERIES
CONNECTOR, ALT	8-97091-540-0		PIG TAIL FROM ALTERNATOR
STARTER SAFETY	8-97068-778-1		SAFETY, PREVENTS ENGAGEMENT w/ENGINE RUNNING & TIMER
COOLING FAN	5-13660-304-1		400mm PLASTIC 6-BLADE SUCTION TYPE
RELAY; STARTER	5-82550-029-0	ASM	SAFETY, PREVENTS ENGAGEMENT w/ENGINE RUNNING & TIMER
Engine Model Specification continued on the following page.			

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SPECIFICATION INFORMATION FOR SHIP LOOSE ITEMS (continued)			
EMISSION LABEL	EPA ENGINE FAMILY NO. 7SZXL02.2GNA EC TYPE APPROVAL NO e4*97/68GA*2001/63* 0079*00	EPA & EC (COMB)	EPA & EC COMBINED SUPPLEMENTAL LABEL FOR MACHINE; FOR Y2007, EPA (Tier 2), EC (Stage 2)
<b>ADDITIONAL INFORMATION</b>			
FIRING ORDER: 1-3-4-2			
COOLANT CAPACITY: 2.8L			
INJ TIMING: 8.4±1° BTDC			
INJ NOZZLE OPENING PRESSURE: 16.7MPa (170 kg/cm <sup>2</sup> ), 25.0MPa (255 kg/cm <sup>2</sup> ) (2-SPRING NOZZLE)			
ENGINE DRY WEIGHT: 150kg (331 lbs)			

**NOTE: Part numbers are subject to change without notice.**