

LABOR GUIDE		I n c l u s i v e	J o b e s	M o r e	ALL	SG	SG YANMAR	CGII	CF COPELAND	CSR SCROLL
10	ENGINE									
	01 FUEL									
	1048	R&R FUEL FILTER BASE (INCL FLTRS & HOSES)		M	1.0	=	=	=	*	*
	1049	R&R FUEL FILTERS		S	0.3	=	=	=	*	*
	1051	R&R FUEL LINE - EACH		S	0.5	=	=	=	*	*
	1052	R&R PRIMER PUMP		S	0.4	=	=	=	*	*
	1053	R&R SEDIMENT BOWL		S	0.5	=	=	=	*	*
	1054	R&R TRANSFER PUMP CHK VALVES		S	0.6	=	=	=	*	*
	1055	R&R TRANSFER PUMP		S	0.8	=	=	=	*	*
	1056	R&R INJECTOR LINE - (EACH)		S	0.5	=	=	=	*	*
	1057	R&R INJECTOR LINE - (ALL)		S	1.0	=	=	=	*	*
	1058	R&R INJECTOR & TEST (EACH)		M	1.0	=	=	=	*	*
	1059	R&R INJECTOR & TEST (ALL INJECTORS)		M	2.0	=	=	=	*	*
	1060	R&R INJECTION PUMP (INCL. TIMING)		M		2.0	3.0	2.0	*	*
	1066	R&R FUEL TANK GAUGE (NO FUEL TRANS)		S	0.5	=	=	=	*	*
	1067	R&R FUEL TANK GAUGE DIAL		S	0.3	=	=	=	*	*
	1196	R&R DELIVERY VALVE &/OR O-RING (EACH)		M	0.3	=	=	=	*	*
	10011	CK. FOR LOSING PRIME <i>CK. FOR FUEL LEAK</i>	10012	M	1.0	=	=	=	*	*
	10012	CK. FOR FUEL LEAK		S	0.5	=	=	=	*	*
	10014	PRIME AND START UNIT		S	0.5	=	=	=	*	*
	10015	ADD FUEL/PRIME/START		S	0.7	=	=	=	*	*
	10021	REPAIR FUEL LINE		S	0.3	=	=	=	*	*
	10052	R&R BLEED SCREW ASSY (ADD 1070 SE ENG.)		M	0.4	=	=	=	*	*
	10053	R&R MISSING FUEL CAP		S	0.3	=	=	=	*	*
	10059	REBUILD INJECTOR-(EACH)		M	0.5	=	=	=	*	*
	10067	R&R FUEL SOL.SPRING		S	0.3	*	*	*	*	*
	10076	THAW OUT FUEL SYSTEM / TANK <i>R&R FUEL FILTERS</i> <i>CK. FOR FUEL LEAK</i> <i>PRIME AND START UNIT</i> <i>R&R FUEL CAP</i> <i>ADD FUEL CONDITIONER</i> <i>CLEAN TRANSFER / FUEL PUMP SCREEN</i> <i>R&R FUEL TANK VENT / DRAIN PLUG</i>	1049 10012 10014 10053 10077 11036 11037	M	1.0	=	=	=	*	*
	10077	ADD FUEL CONDITIONER		S	0.3	=	=	=	*	*
	11036	CLEAN TRANSFER PUMP SCREEN		M	0.3	=	=	=	*	*
	11037	R&R FUEL TANK VENT / DRAIN PLUG		S	0.3	=	=	=	*	*

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02 COOLING											
	1084	R&R WATER TEMP GAUGE			M	0.9	*	*	=	*	*
	1086	R&R ENGINE THERMOSTAT			M	1.0	=	=	=	*	*
		DRAIN & REFILL COOLANT	1092								
		R&R / ADJUST HOSE CLAMP (ALL)	1199								
		R&R RADIATOR CAP	11039								
	1089	R&R RADIATOR HOSE			S	0.5	=	=	=	*	*
	1091	R&R WATER PUMP			M		4.0	4.5	2.0	*	*
		R&R ENGINE THERMOSTAT (Yanmar Only)	1086								
		DRAIN & REFILL COOLANT	1092								
		R&R / ADJUST HOSE CLAMP (ALL)	1199								
		R&R FAN BELT - LOWER	6003								
		ADJUST BELTS	6028								
		R&R RADIATOR CAP	11039								
	1092	DRAIN & REFILL COOLANT			S	0.5	=	=	=	*	*
	1093	R&R RADIATOR (INCL DRAIN & REFILL)			S	2.0	=	=	=	*	*
	1094	R&R EXPANSION TANK (INCL DRAIN & FILL)			M	0.7	=	=	=	*	*
	1095	PRESSURE TEST COOL SYS.			S	0.5	=	=	=	*	*
	1099	R&R ENG. MAIN T-STAT HSG OR GSKT			M	1.0	=	*	=	*	*
		DRAIN & REFILL COOLANT	1092								
		R&R / ADJUST HOSE CLAMP (ALL)	1199								
		R&R RADIATOR CAP	11039								
	1199	R&R / ADJUST HOSE CLAMP (ALL)			S	0.2	=	=	=	*	*
	1201	REB. WATER PUMP (NOT INCL. R&R)			M	1.0	=	=	=	*	*
	10057	FLUSH CONTAMINATED COOLING SYSTEM			M	1.0	=	=	=	*	*
	11039	R&R RADIATOR CAP			S	0.3	=	=	=	*	*
03 EXHAUST											
	1071	R&R EXHAUST MANIFOLD &/OR GASKET			S	1.0	=	=	=	*	*
	1073	R&R EXHAUST PIPE			S	1.0	=	=	=	*	*
	1074	R&R MUFFLER			S	1.0	=	=	=	*	*
	11041	R&R RAIN CAP / EXTENSION PIPE			S	0.2	=	=	=	*	*
	11047	R&R / ADJUST EXHAUST CLAMP (ALL)			S	0.3	=	=	=	*	*
04 INTAKE											
	1014	R&R OIL BATH AIR CLEANER & SERVICE			S	0.5	=	=	=	*	*
	1070	R&R INTAKE MANIFOLD &/OR GASKET			S	1.0	=	=	=	*	*
	1072	R&R DRY AIR CLEANER			S	0.3	=	=	=	*	*
	1075	R&R AIR CLEANER INDICATOR			S	0.3	=	=	=	*	*
	11043	R&R INTAKE HOSE			S	0.3	=	=	=	*	*

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05 CYLINDER HEAD											
	1097	R&R FROST PLUG-HEAD			M	1.5	=	=	=	*	*
	1125	R&R VALVE COVER / GASKET			S	1.0	=	=	=	*	*
	1126	ADJUST VALVES (INCL. R&R COVER)			S	1.0	=	=	=	*	*
	1127	R&R 1 RCKR ARM &/OR ROD (INCL ADJ VLV)			M	2.0	=	=	=	*	*
	1128	R&R RCKR ARM / RODS-ALL (INCL ADJ VLVS)			M	2.5	=	=	=	*	*
	1129	R&R VALVE SEALS & ADJUST			M	3.0	=	=	=	*	*
	1130	R&R HEAD/GSKT-ADJUST VALVES			M	5.0	=	=	=	*	*
	1185	RESURFACE CYL. HEAD			S	1.0	=	=	=	*	*
	1187	GRIND VALVES-HEAD OFF			M	3.5	=	=	=	*	*
	1188	INST.GUIDES (INCL GRINDING)			M	4.5	=	=	=	*	*
	1189	INST.1 SEAT & RESEAT			S	1.0	=	=	=	*	*
	1190	INSTALL PRECHAMBER			S	0.5	*	*	*	*	*
06 LUBRICATION											
	1110	R&R OIL FILTER (SPIN-ON)			M	0.5	=	=	=	*	*
	1115	R&R LINE TO GAUGE/SENDER			S	0.5	=	=	=	*	*
	1116	R&R OIL PRESS.GAUGE			S	0.5	*	*	=	*	*
	1209	R&R OIL PRESS. REGULATOR/BY-PASS VALVE			M	0.7	=	=	=	*	*
	10008	CHANGE OIL & FILTER			S	0.7	=	=	=	*	*
	10013	CHECK FOR OIL LEAK			S	0.5	=	=	=	*	*
	10048	R&R O/FILT.BASE/O RING			S	0.5	=	=	=	*	*
	10051	R&R OIL DRAIN HOSE (INCL. DRAIN & FILL)			M	0.6	=	=	=	*	*
	11044	R&R DIPSTICK / TUBE			S	0.3	=	=	=	*	*

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	1098	R&R FROST PLUG-BLOCK		M	1.5	=	=	=	*	*
	1135	R&R FLYWHEEL HSG & DIAL IND.		M	3.5	=	=	=	*	*
	1136	DIAL INDICATE FLYWHEEL HSG		S	1.0	=	=	=	*	*
	1137	R&R FLYWHEEL		M	3.0	=	=	=	*	*
	1141	R&R REAR ENGINE MAIN SEAL <i>R&R FLYWHEEL</i> <i>R&R COMPRESSOR</i>	1137 2009	M		6.0	5.0	6.0	*	*
	1142	R&R FRONT SEAL-OLD STYLE		M	2.0	=	=	=	*	*
	1143	R&R FRONT SEAL-NEW STYLE		S	1.0	=	=	=	*	*
	1144	R&R TIMING GEAR COVER		M	2.0	=	=	=	*	*
	1145	R&R TIMING GEARS (ADD 1093)		M	3.0	=	=	=	*	*
	1158	R&R FLYWHEEL RINGGEAR,FLYWHL OFF		M	0.2	=	=	=	*	*
	1160	R&R ACC/FOR SHORT BLOC (ON FLOOR)		M	10.0	=	=	=	*	*
	1162	R&R ACCESS FOR ENGINE (ON FLOOR)		M	3.0	=	=	=	*	*
	1163	R&R OIL PAN (ON FLOOR)		M	1.5	=	=	=	*	*
	1164	R&R OIL PUMP/INCL. PAN (ON FLOOR)		M	2.0	=	=	=	*	*
	1165	R&R REAR MAIN OIL SEAL (ON FLOOR)		M	1.5	=	=	=	*	*
	1168	R&R TIMING GEARS (ON FLOOR)		M	3.0	=	=	=	*	*
	1169	R&R ROD BRGS (ON BENCH)		M	2.5	=	=	=	*	*
	1170	R&R ROD & MAIN BRGS (ON BENCH)		M	5.0	=	=	=	*	*
	1171	R&R CRANKSHAFT (ON BENCH-W/O BRGS)		M	6.5	=	=	=	*	*
	1172	R&R CRANKSHAFT & 1 PISTON (ON BENCH)		M	11.0	=	=	=	*	*
	1173	R&R CAMSHAFT (ON FLOOR)		M	5.5	=	=	=	*	*
	1174	R&R CAMSHAFT & BUSHINGS (ON BENCH)		M	6.5	=	=	=	*	*
	1175	R&R CRANKSHAFT & BRGS (ON BENCH)		M	7.0	=	=	=	*	*
	1176	R&R RINGS / DEGLAZE (ON BENCH)		M	9.0	=	=	=	*	*
	1177	R&R PSTNS-RINGS-ROD BRGS (ON BENCH)		M	9.5	=	=	=	*	*
	1178	MAJOR OVERHAUL (ON BENCH)		M	22.0	=	=	=	*	*
	1186	RESURFACE CYL. BLOCK		S	1.0	=	=	=	*	*
	1191	GRIND ROD JOURNALS		S	1.5	=	=	=	*	*
	1192	GRIND MAIN JOURNALS		S	1.7	=	=	=	*	*
	1193	GRIND ALL JOURNALS		S	2.1	=	=	=	*	*
	1194	BORE CYLS. - EACH		S	0.7	=	=	=	*	*
	1195	R&R WEAR RING / SPEEDI SLEEVE		S	0.3	=	=	=	*	*
	1198	R&R CAM PLUG / COVER (ADD TO 1141)		S		0.5	1.5	0.5	*	*
	10044	R&R SIDE COVER GASKET		S	1.0	=	=	=	*	*

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08 MISC. OPERATIONS												
	1020	ADJUST TIMING				S	0.5	=	=	=	*	*
	1118	COMPRESSION OR CYL LEAK TEST (1 CYL)				S	0.5	=	=	=	*	*
	1119	COMPRESSION OR CYL LEAK TEST (ALL)				S	1.5	=	=	=	*	*
	1153	R&R ENGINE (ON FLOOR)				M	5.0	=	=	=	*	*
	10007	ADJUST ENGINE RPM				S	0.5	=	=	=	*	*
	10038	RUN & CK. OPERATION CHECK / ADD OIL & COOLANT		11008		M	0.5	=	=	=	=	=
	10050	MISC. REPAIR ENGINE				M		*	*	*	*	*
	11000	MANUAL PRETRIP UNIT ADJUST BELTS RUN & CK. OPERATION AUTOMATED PRETRIP & VISUAL INSP. CHECK / ADD OIL & COOLANT		6028 10038 11002 11008		M	1.0	=	=	=	=	=
	11001	COMPLETE P.M. SERVICE R&R FUEL FILTERS R&R DRY AIR CLEANER CK.BATTERY/LOAD TEST CHANGE OIL & FILTER MANUAL PRETRIP UNIT CLEAN TRANSFER / FUEL PUMP SCREEN		1049 1072 10026 10008 11000 11036		M	1.0	=	=	=	*	*
	11008	CHECK / ADD OIL & COOLANT				S	0.3	=	=	=	*	*

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20	COMPRESSOR									
	01 INTERNAL									
	2005	R&R VALVE PLATE (COPELAND)		M	2.5	*	*	*	=	*
	2020	R&R ROD BRGS (ON BENCH)		M	1.0	*	*	*	*	*
	2021	R&R 1 PISTON / SLEEVE (ON BENCH)		S	2.0	*	*	*	*	*
	2022	R&R ALL PISTONS, SLEEVES OR RODS		S	3.0	*	*	*	*	*
	2023	MAJOR OVERHAUL COMPR. - BENCH		M	6.0	*	*	*	*	*
	2025	R&R COMPR. CRANK SEAL - BENCH		S	0.5	*	*	*	*	*
	2039	COMPRESSOR INSPECTION		S	0.7	*	*	*	=	*
	04 EXTERNAL									
	2001	R&R COMPR. SEAL <i>R&R COMPRESSOR R&R COMPR. CRANK SEAL - BENCH R&R COUPL. OR CLUTCH</i>	2009 2025 6019	M	2.5	*	*	*	*	*
	2006	R&R MANIFOLD OR GASKET		S	0.5	*	*	*	=	=
	2007	R&R OIL PUMP / PLATE		S	0.5	*	*	*	=	*
	2009	R&R COMPRESSOR		S	3.0	*	*	*	=	=
	2015	REBUILD UNLOADER HEAD (INCL. R&R)		M		*	*	*	*	*
	2018	R&R 1 HEAD - VLV PLTS/GSKT (INCL ALIGN)		M	1.0	*	*	*	*	*
	2019	R&R 2 HEADS - VLV PLTS/GSKT (INCL ALIGN)		M	1.5	*	*	*	*	*
	2025	R&R COMPR. CRANK SEAL - BENCH		S	0.5	*	*	*	*	*
	4036	R&R SIGHT GLASS		S	0.5	=	=	=	=	=
	07 MISC. OPERATIONS									
	2017	INST. COMPR. OIL FLTR KIT		S	1.0	*	*	*	=	*
	2030	R&R COMP. OIL FILTER (INCL. PUMP DOWN)		S	0.3	*	*	*	=	=
	2033	R&R COMPRESSOR OIL (INCL. PUMP DOWN)		S	0.5	*	*	*	=	=
	2034	ADJUST COMPRESSOR OIL LEVEL <i>SYSTEM PUMP DOWN</i>	4063	S	0.5	*	*	*	=	=
	2071	R&R COMPRESSOR OIL (BENCH)		S	0.3	*	*	*	=	=
	10055	MISC. REPAIR COMPRESSOR		S		*	*	*	*	*

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40	ELECTRICAL											
	01 STARTER											
	1105	R&R STARTER		S				0.5	0.5	0.5	*	*
	1106	R&R GLOW PLUG-EA./ INTAKE HEATER		S	0.5	=	=	=	=	=	*	*
	1107	R&R STARTER SOLENOID (ON BENCH)		S	0.5	=	=	=	=	=	*	*
	1108	R&R GLOW PLUG-ALL		S	1.0	=	*	=	=	=	*	*
	1200	REBUILD STARTER (NOT INCL R&R)		S	1.5	=	=	=	=	=	*	*
	02 THERMOSTAT											
	9001	CHECK &/OR ADJUST CALIBRATION		S	0.8	*	*	*	*	*	=	=
	9007	R&R THERMOGUARD MODULE		S	1.0	*	*	*	*	*	=	*
	9009	R&R THERMOGUARD SENSOR		S	1.5	*	*	*	*	*	=	*
	9010	R&R T/G HEAD OR HARNESS		S	1.0	*	*	*	*	*	=	*
	9014	R&R PARTLOW CHART DRIVE		S	0.5	*	*	*	*	*	=	=
	9026	R&R PARTLOW ASSEMBLY (INC. CAL.)		S	2.5	*	*	*	*	*	=	=
	9027	R&R PARTLOW ELEMENT (INC. CAL.)		S	2.0	*	*	*	*	*	=	=
	10018	CHECK OUT THERMOSTAT		S	0.7	*	*	*	*	*	=	=
	05 CHARGING											
	5022	R&R AMMETER		S	0.5	*	*	=	=	=	*	*
	5051	R&R VOLTAGE REGULATOR		S	0.8	=	=	=	=	=	*	*
	10004	CHECK CHARGING SYSTEM <i>BOOST UNIT TO START</i>	10003	S	0.5	=	=	=	=	=	*	*
	10005	CHK / SERVICE BATTERY & CABLES		S	0.3	=	=	=	=	=	*	*
	10006	REPAIR BATTERY CABLES		S	0.5	=	=	=	=	=	*	*
	10025	R&R BATTERY <i>CHK / SERVICE BATTERY & CABLES</i>	10005	M	0.5	=	=	=	=	=	*	*
		<i>CK.BATTERY/LOAD TEST</i>	10026									
	10026	CK.BATTERY/LOAD TEST		S	0.2	=	=	=	=	=	*	*

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06 CONTROL											
	1085	R&R WATER TEMP. SWITCH		S	0.5	=	=	=	=	*	*
	1117	R&R OIL PRESSURE SWITCH		S	0.5	=	=	=	=	*	*
	1120	R&R LOW OIL LEVEL SWITCH / GASKET		S	0.5	=	=	=	=	*	*
	5001	R&R ON-OFF SWITCH		S	0.5	=	=	=	=	=	=
	5005	R&R START/PRE-HEAT SWITCH		S	0.7	*	*	=	=	*	*
	5006	R&R SAFETY SW. OR RESISTOR		S	0.5	*	*	=	=	*	*
	5007	R&R MANUAL DEFROST SWITCH		S	0.5	*	*	*	=	=	*
	5012	R&R PRESSURE SWITCH (HIGH, LOW, CFP)		S	0.5	*	*	*	=	=	=
	5021	R&R FUEL / SPEED SOLENOID		S		.5	.6	.5	=	*	*
	5027	R&R FUSE (ANY)		S	0.3	=	=	=	=	=	=
	5028	R&R CURRENT LIMIT/DIODE		S	0.5	=	=	=	=	*	*
	5029	R&R DC CIRCUIT BREAKER		S	0.5	=	=	=	=	=	*
	5038	R&R RELAY - ANY		S	0.5	=	=	=	=	=	=
	5056	R&R HOURMETER		S	0.5	*	*	=	=	=	=
	5058	R&R VOLT SELECT SWITCH		S		2.0	2.0	2.0	=	2.5	*
	5059	R&R IRMU / RMM (REMOTE MONITOR)		S	1.0	*	*	*	=	=	=
	5065	R&R DRAIN PAN HEATER		S	1.0	*	*	*	=	=	*
	5067	R&R WATER LEVEL SENSOR		S	1.0	=	=	=	=	*	*
	5068	R&R SOLENOID COIL		S	0.5	=	=	*	=	=	=
	5071	R&R RELAY BOARD ASSY		M	0.7	=	=	=	=	*	=
	5072	R&R EXC ASSY		S	1.0	=	=	=	=	*	*
	5075	R&R TIME DELAY		S	0.5	*	*	*	=	=	*
	5100	R&R CONTROL PANEL		S	0.5	=	=	=	=	=	=
	5101	R&R RELAY SOCKET		S	1.0	=	=	=	=	=	=
	5023	R&R CONTROL MODULE (ALL)		S	1.0	=	=	=	=	=	=
	5106	R&R AFAM GEAR MOTOR		M	0.8	*	*	*	=	*	=

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08 MICROPROCESSOR CONTROL SYSTEMS											
	5076	R&R MICRO (MP, MPA, MPA+, MPC)		S	1.0	*	*	*	=	*	
	5077	R&R MODE LITE DR BD		S	0.8	*	*	*	=	*	
	5078	R&R KLIXON (TEMP-DEF)		S	1.0	*	*	*	=	=	
	5079	R&R BATT (REAL TIME CLOCK)		S	0.5	*	*	*	=	=	
	5081	R&R FLYWHEEL RPM SENSOR (INCL. ADJ)		S	0.5	=	=	=	*	*	
	5086	ADJUST RPM SENSOR		S	0.3	=	=	*	*	*	
	5200	R&R SOFTWARE CHIP / FLASHLOAD (INCLUDES SET UP)		M	0.7	=	=	*	=	=	
	5201	COLD START / SET UP		M	0.8	=	=	*	=	=	
	5202	DATA LOGGER INITIALIZATION		S	0.5	*	*	*	=	=	
	5203	DOWN LOAD DATALOGGER		S	0.5	*	*	*	=	=	
	5204	R&R MICRO (MPD)		S	0.5	*	*	*	=	=	
	5206	MICRO TEST 1&2		S	0.5	=	=	*	=	=	
	5220	R&R ANY PLUG IN FUSE		S	0.5	=	=	*	=	=	
	5221	R&R ANY PLUG IN RELAY		S	0.5	=	=	*	=	=	
	5224	TEST RELAY BOARD		S	0.5	=	=	=	=	=	
	5240	R&R AMP PLUG LOCK RING		S	0.5	=	=	*	=	=	
	5241	R&R ADDITIONAL LOCK RINGS		S	0.2	=	=	*	=	=	
	5242	R&R CIRCUIT BREAKER		S	0.5	=	=	*	=	=	
	5243	R&R COMMUNICATIONS HARNESS		S	1.0	*	*	*	=	=	
	5245	R&R EMERGENCY SWITCH		S	0.7	*	*	*	=	=	
	5246	R&R INTERFACE HARNESS		S	0.8	=	=	*	=	=	
	5247	R&R OIL PRESSURE SENDING UNIT		S	0.5	=	=	=	*	*	
	5248	R&R SENSOR (SPARE)		S	0.8	*	*	*	=	=	
	5250	R&R WATER TEMP. SENDING UNIT		M	1.0	=	=	=	*	*	
		<i>DRAIN & REFILL COOLANT</i>	1092								
		<i>R&R RADIATOR CAP</i>	11039								
	5251	R&R AMP PLUG		S	0.7	=	=	*	=	=	
	5252	R&R MICRO RETURN AIR SENSOR		S	0.8	*	*	*	=	=	
	5253	R&R MICRO SUPPLY AIR SENSOR		S	0.8	*	*	*	=	=	
	5254	R&R MICRO AMBIENT AIR SENSOR		S	0.8	*	*	*	=	=	
	5255	R&R MICRO EVAP./COND. COIL SENSOR		S	0.8	*	*	*	=	=	
	5258	R&R COMP. TEMP. SENSOR		S	0.8	*	*	*	=	=	
	5260	DIAGNOSIS OF CODE		S		=	=	*	=	=	
	5261	REPAIR RELAY BOARD (BENCH)		S	0.5	=	=	=	=	=	
	5263	R&R FACE PLATE / KEY PAD DECAL FOR MICRO		M		1.2	1.2	*	*	0.5	
	9024	R&R MICRO BEZEL		S	1.0	=	=	*	*	*	
	11002	AUTOMATED PRETRIP & VISUAL INSP.		M	0.5	=	=	*	=	=	
		<i>RUN & CK. OPERATION</i>	10038								
		<i>CHECK / ADD OIL & COOLANT</i>	11008								

LABOR GUIDE			I n c l u s i v e	J o b s	C o d e	M o r S	ALL	SG	SG YANMAR	CGII	CF COPELAND	CSR SCROLL
09 A/C												
	3001	R&R MAIN DRIVE MOTOR				M	3.0	*	*	*	*	*
	3002	R&R EVAP. FAN MOTOR				S	1.5	*	*	*	=	=
	3003	R&R COND. FAN MOTOR				S	1.0	*	*	*	=	=
	3005	R&R AC ALTERNATOR				S	8.0	=	=	=	*	*
	3008	R&R A/C MOTOR INTERNAL PARTS (BENCH)				S	1.0	*	*	*	=	=
	3011	R&R A/C ALTERNATOR BEARING				M	1.5	=	=	=	*	*
	3012	R&R AC ALT. DIODES				S	2.0	=	=	=	*	*
	5030	R&R AC OVERLOAD PROTECTOR				S	0.7	=	=	=	=	=
	5040	R&R HEATER CONTACTOR				S	0.7	*	*	*	=	=
	5043	R&R FAN MOTOR RELAY OR CONTACTOR				S	1.0	*	*	*	=	=
	5047	R&R COMP CONTACTOR				S	0.8	*	*	*	=	=
	5049	R&R PHASE CORRECTION CONTACTOR				S	1.0	*	*	*	=	=
	5060	R&R TRANSFORMER				S		1.5	1.5	1.5	0.7	0.7
	5061	R&R RECITIFIER				S		1.3	1.3	1.3	0.8	0.8
	5062	R&R HEATERS-EACH				S	1.0	*	*	*	=	=
	5063	R&R HEATERS-ALL				S	2.0	*	*	*	=	=
	5070	R&R A/C POWERPLUG / RECEPTACLE				S	1.0	=	=	=	=	=
	5073	R&R CAPACITOR				S	0.5	=	=	=	=	*
	10020	REPAIR AC CORD				S	0.5	=	=	=	=	=

LABOR GUIDE			I n c l u s i v e	J o b s	M o r S	ALL	SG	SG YANMAR	CGH	CF COPELAND	CSR SCROLL
10 MISC. OPERATIONS											
	1096	R&R FROST PLUG HEATER			M	1.5	=	=	=	*	*
	5045	R&R ELEC.THERMOMETER			S	0.5	*	*	*	*	*
	5046	R&R ELEC.THERMOMETER SENSOR			S	1.0	*	*	*	*	*
	5069	R&R MAIN WIRE HARNESS			S		1.0	1.0	1.0	2.5	2.5
	5094	R&R IND.LIGHT SOCKET (EACH)			S	0.3	*	*	*	=	*
	5095	R&R IND. LIGHT BULB (ALL)			S	0.3	*	*	*	=	*
	10003	BOOST UNIT TO START			S	0.3	=	=	=	*	*
	10032	R&R JONES PLUG			S	1.0	=	=	=	*	*
	10033	CLEAN JONES PLUG			S	0.2	=	=	=	*	*
	10037	CK.AMP.DRAW ON SOLS.			M	0.5	=	=	=	=	=
	10041	CHECK AUTO DEFROST			M	0.5	*	*	*	=	=
	10060	MISC. REPAIR - ELECTRICAL			M		*	*	*	*	*

LABOR GUIDE			I n c l u s i v e	J o b s	C o d e	M o r e	ALL	SG	SG YANMAR	CGII	CF COPELAND	CSR SCROLL
60	REFRIGERATION											
	01 MAJOR COMPONENTS											
	4030	R&R CONDENSER COIL		S	2.0	*	*	*	*	=	=	
	4031	R&R EVAPORATOR COIL		S		*	*	*	*	3.0	5.0	
	4032	R&R HEAT EXCHANGER		S	3.0	*	*	*	*	=	=	
	4035	R&R WATER COOLED CONDENSER		S	1.5	*	*	*	*	=	=	
	04 MINOR COMPONENTS											
	2002	INST.THROT.VALVE KIT <i>R&R THROTTLING VALVE</i> <i>REBUILD THROT.VALVE (Bench)</i>	2003 2029	M	2.0	*	*	*	*	*	*	
	2003	R&R THROTTLING VALVE		S	1.0	*	*	*	*	*	*	
	2004	R&R SERVICE VALVE		S	1.0	*	*	*	*	=	=	
	4004	R&R DRIER (INCL.PUMP DOWN) (4048 IF REQUIRED)		S	0.5	*	*	*	*	=	=	
	4005	R&R VIBRASORBER-DISCH		S	1.0	*	*	*	*	*	*	
	4006	R&R VIBRASORBER-SUCT		S	1.0	*	*	*	*	*	*	
	4008	R&R COMPOUND GAUGE		S	0.5	*	*	*	*	=	=	
	4020	R&R CHECK VALVE		S	1.0	*	*	*	*	=	*	
	4021	R&R OIL CHECK VALVE		S	0.5	*	*	*	*	=	*	
	4022	R&R SAFETY VALVE		S	0.5	*	*	*	*	=	=	
	4023	R&R EXPANSION VALVE (ADD CODE 7022 IF REQUIRED)		S	1.0	*	*	*	*	=	=	
	4025	R&R BYPASS VALVE / DEHUM. VALVE		S	0.8	*	*	*	*	=	=	
	4026	R&R DISCHARGE REGULATOR VALVE		S	1.0	*	*	*	*	=	*	
	4027	R&R MODULATION VALVE		S	1.2	*	*	*	*	=	=	
	4028	R&R SUCTION SOL.VALVE		S	1.0	*	*	*	*	=	=	
	4029	R&R LIQUID LINE / LIQUID INJECT.VALVE		S	1.0	*	*	*	*	=	=	
	4034	R&R RECEIVER TANK		S	1.5	*	*	*	*	=	=	
	4036	R&R SIGHT GLASS		S	1.0	*	*	*	*	=	=	
	4043	R&R RECVR TANK OUTLET VALVE		S	1.0	*	*	*	*	=	=	

LABOR GUIDE

			I n c l u s i v e	J o b s	M o r e	ALL	SG	SG YANMAR	CGII	CF COPELAND	CSR SCROLL
07 MISC. OPERATIONS											
	2029	REBUILD THROT.VALVE (BENCH)			S	1.0	*	*	*	=	=
	4000	L CHK-RECVY-REPAIR-L CHK-DRIER-EVAC-CHG			S	2.0	*	*	*	=	=
	4001	RECVRY-REPAIR-L CHK-DRIER-EVAC-CHG			S	1.8	*	*	*	=	=
	4002	LOW CHG-LEAK CHK-ADD CHG			S	1.0	*	*	*	=	=
	4003	INCORRECT CHG-RECOVERY-EVAC-RECHG			S	1.0	*	*	*	=	=
	4009	L CHK-RECVRY-REPAIR-L CHK-EVAC-CHG (NO DRIER)			S	1.5	*	*	*	=	=
	4010	RECVRY-REPAIR-L CHK-EVAC-CHG (NO DRIER)			S	1.3	*	*	*	=	=
	4040	CLEANUP REFRIGERATION SYSTEM			S		*	*	*	*	*
	4044	ACID TEST - COMPR. OIL			S	0.3	*	*	*	=	=
	4046	R&R TK SUCTION CLEANUP FILTER			S	2.0	*	*	*	=	=
	4047	R&R SUCTION CLEANUP FILTER CORE			S	0.5	*	*	*	=	=
	4048	SILVER SOLDER PER JOINT			S	0.1	*	*	*	=	=
	4062	REFRIGERATION DATA COLLECTION			S	0.5	*	*	*	=	=
	4063	SYSTEM PUMP DOWN PROCEDURE TESTING <i>INSTALL GAUGES & CHECK OPERATION (W/O 40XX CODES)</i>		11003	S	0.5	*	*	*	=	=
	10065	MISC. REPAIR - REFRIG			S		*	*	*	*	*
	11003	INSTALL GAUGES & CHECK OPERATION (W/O 40XX CODES)			S	0.3	*	*	*	=	=
	11009	PRESSURE CHK CONDENSOR & REPAIR (BENCH)			S	1.5	*	*	*	=	=
	11010	PRESSURE CHK EVAP. & REPAIR (BENCH)			S	1.5	*	*	*	=	=
	11011	REPAIR BROKEN REFRIGERANT LINE			S	1.0	*	*	*	=	=
	11029	WASH OUT COND.& RAD.			S	0.5	=	=	=	=	=
	11030	WASH OUT EVAPORATOR			S	0.5	*	*	*	=	=
	11031	CLEAN DEFROST DRAIN TUBES			S	0.5	*	*	*	=	=

LABOR GUIDE			I n c l u s i v e	J o b s	C o d e	M o r e	ALL	SG	SG YANMAR	CGH	CF COPELAND	CSR SCROLL
70	DRIVE											
	01 BELTS											
	6002	R&R FAN DRIVE BELT		S	0.5	=	=	=	=	*	*	
	6028	ADJUST BELTS		S	0.5	=	=	=	=	*	*	
	05 FAN BLADES											
	6050	R&R COND. / RADATOR FAN		S		1.0	1.0	1.0		0.7	0.7	
	6051	R&R EVAP FAN / BLOWER		S	1.0	*	*	*		=	=	
	06 PULLEYS & CLUTCHES											
	6016	R&R IDLER PUL. ASSY. (INCL. ADJ. BELT)		M	0.5	*	*	=		*	*	
	6017	R&R IDLER PULLEY-OVERHAUL-ADJ BELTS		M	1.0	*	*	=		*	*	
	6018	R&R ENGINE FRONT DRIVE PULLEY		S	1.0	=	=	=		*	*	
	6019	R&R COUPL.		M	2.0	*	*	*		*	*	
	6020	R&R COUPL. & INSTALL BUSHINGS		M	2.5	*	*	*		*	*	
	6030	R&R COUPL. BUSHINGS-ON BENCH		S	0.5	*	*	*		*	*	
	08 MISC. OPERATIONS											
	10070	MISC. REPAIR-DRIVE		S		*	*	*		*	*	

LABOR GUIDE			I n c l u s i v e	J o b s	M o r S	ALL	SG	SG YANMAR	CGII	CF COPELAND	CSR SCROLL
90	STRUCTURAL										
	01 ENGINE RELATED										
	1138	R&R ENGINE MOUNTS / ALL (RUBBER)			S	2.0	=	=	=	*	*
	1139	R&R ENG.MOUNT SUPPORT-EA			S	1.0	=	=	=	*	*
	1140	R&R REAR ENG.SUPPORT			S	2.5	=	=	=	*	*
	1197	R&R SOLENOID BOOT			S	0.2	*	*	*	*	*
	02 ELECTRICAL RELATED										
	9024	R&R MICRO BEZEL			S	1.0	=	=	*	*	*
	03 REFRIGERATION RELATED										
	7004	R&R EVAP HSG. (INCL UNIT R&R)			M	4.5	*	*	*	=	=
	07 BODY PARTS										
	7008	R&R HINGE TYPE DOOR			M	0.5	=	=	=	=	=
	7009	R&R GRILL			M	0.5	=	=	=	=	=
	7012	R&R DOOR LATCH / HINGE			S	0.3	=	=	=	=	=
	7013	PAINT DOOR OR PANEL			M	1.0	=	=	=	=	=
	7022	R&R EVAPORATOR PANEL			S	1.0	*	*	*	=	=
	09 MISC. OPERATIONS										
	1063	R&R DIESEL FUEL HEATER			M	1.0	=	=	=	*	*
	1064	R&R FUEL TANK (NO FUEL TRANS)			S	1.2	=	=	=	*	*
	7001	R&R UNIT			S		0.8	0.8	0.8	1.0	1.0
	7007	R&R FRAME (INCL R&R UNIT)			M		10.0	10.0	10.0	20.0	20.0
	10000	SAND,MASK,PAINT UNIT			M		*	*	*	*	*
	10002	STEAM CLEAN UNIT			S	0.5	=	=	=	=	=
	10035	INSTALL NEW UNIT & CHECK			M		1.5	1.5	1.5	3.0	3.0
	10036	INSTALL USED UNIT & CHECK			M		1.5	1.5	1.5	3.0	3.0
	10049	REPAIR PICK-UP TUBE IN TANK			M	1.2	=	=	=	*	*
	10054	REMOVE UNIT			M		0.5	0.5	0.5	0.7	0.7
	10075	MISC. REPAIR-STRUCT.			S		*	*	*	*	*
	11019	R&R FUEL TANK BRACKETS			M	2.0	=	=	=	*	*

LABOR GUIDE				I n c l u s i v e	J o b s	M o r e	ALL	SG	SG YANMAR	CGII	CF COPELAND	CSR SCROLL
MAINTENANCE JOBS												
10	04	1014	R&R OIL BATH AIR CLEANER & SERVICE		S	0.5	=	=	=	*	*	
10	02	1092	DRAIN & REFILL COOLANT		S	0.5	=	=	=	*	*	
40	08	5203	DOWN LOAD DATALOGGER		S	0.5	*	*	*	=	=	
70	01	6028	ADJUST BELTS		S	0.5	=	=	=	*	*	
40	02	9001	CHECK &/OR ADJUST CALIBRATION		S	0.8	*	*	*	=	=	
40	05	10005	CHK / SERVICE BATTERY & CABLES		S	0.3	=	=	=	*	*	
10	06	10008	CHANGE OIL & FILTER		S	0.7	=	=	=	*	*	
10	01	10014	PRIME AND START UNIT		S	0.5	=	=	=	*	*	
10	01	10015	ADD FUEL/PRIME/START		S	0.7	=	=	=	*	*	
40	02	10018	CHECK OUT THERMOSTAT		S	0.7	*	*	*	=	=	
40	05	10026	CK.BATTERY/LOAD TEST		S	0.3	=	=	=	*	*	
10	08	10038	RUN & CK. OPERATION <i>CHECK / ADD OIL & COOLANT</i>	11008	M	0.5	=	=	=	=	=	
10	02	10057	FLUSH CONTAMINATED COOLING SYSTEM		M	1.0	=	=	=	*	*	
10	01	10077	ADD FUEL CONDITIONER		S	0.3	=	=	=	*	*	
10	02	11000	MANUAL PRETRIP UNIT <i>ADJUST BELTS</i> <i>RUN & CK. OPERATION</i> <i>AUTOMATED PRETRIP & VISUAL INSP.</i> <i>CHECK / ADD OIL & COOLANT</i>	6028 10038 11002 11008	M	1.0	=	=	=	=	=	
10	08	11001	COMPLETE P.M. SERVICE <i>R&R FUEL FILTERS</i> <i>R&R DRY AIR CLEANER</i> <i>CK.BATTERY/LOAD TEST</i> <i>CHANGE OIL & FILTER</i> <i>MANUAL PRETRIP UNIT</i> <i>CLEAN TRANSFER / FUEL PUMP SCREEN</i>	1049 1072 10026 10008 11000 11036	M	1.0	=	=	=	*	*	
40	08	11002	AUTOMATED PRETRIP & VISUAL INSP. <i>RUN & CK. OPERATION</i> <i>CHECK / ADD OIL & COOLANT</i>	10038 11008	M	0.5	=	=	*	=	=	
10	08	11008	CHECK / ADD OIL & WATER		S	0.3	=	=	=	*	*	