

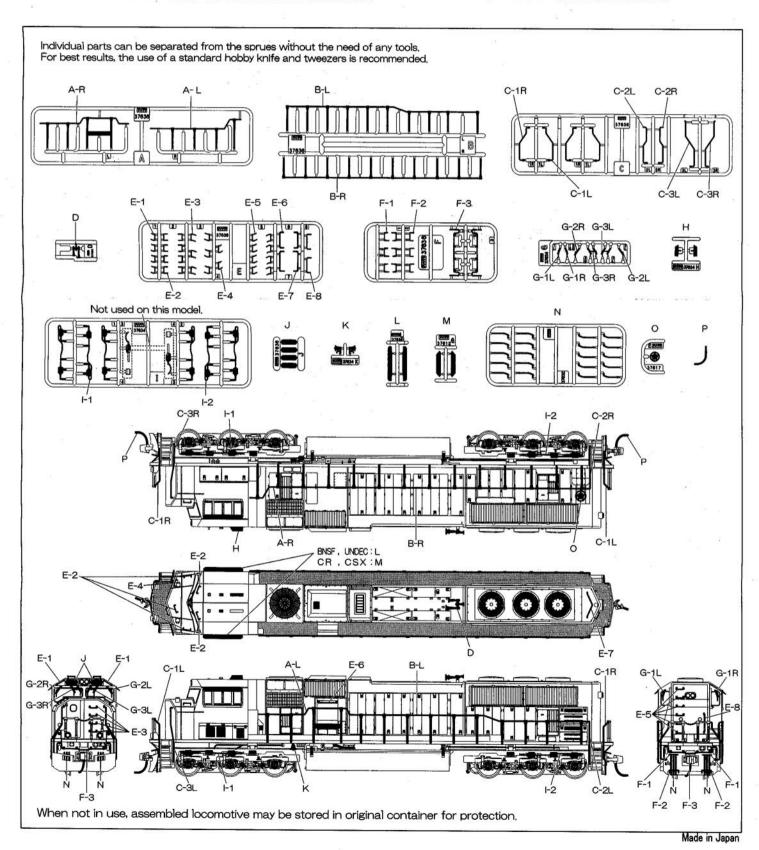
EMD SD70MAC

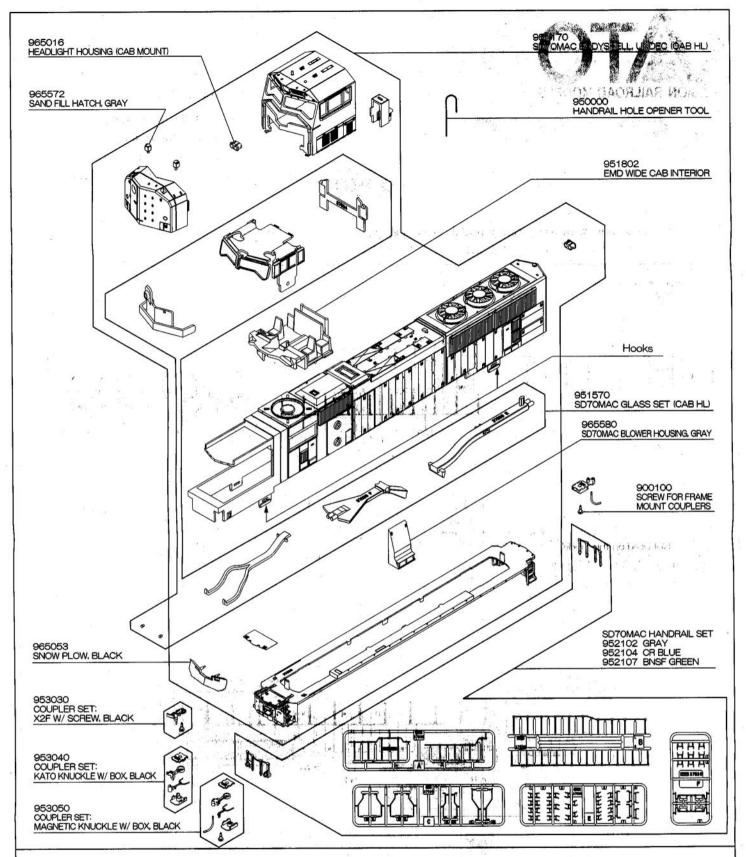
Cab Headlight

Kato Precision Railroad Models.....
Built to meet the demands of the serious model railroader.

With Features Like These:

Golden White LED directional headlight DCC Socket factory-installed for digital operation Detailed Cab Interior and Blackened Wheels for added realism Six Precision Powered Axles to transfer power effectively from the rails, Powerful Five Pole Motor with Dual Brass Flywheels for realistic performance,



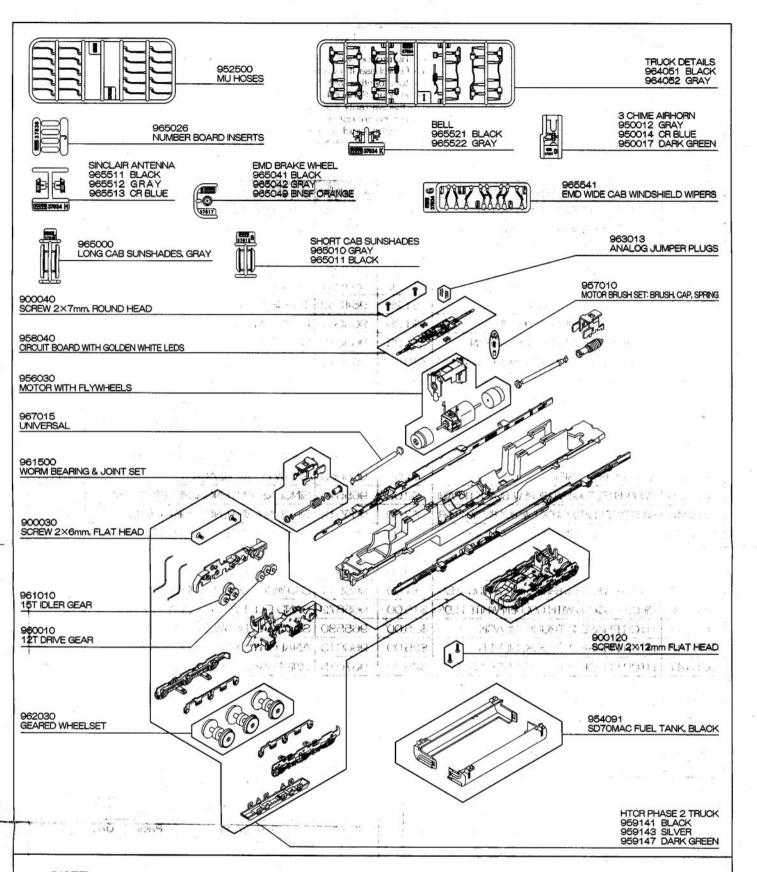


Fully familiarize yourself with the construction of this model and parts diagram prior to disassembly in order to minimize potential of damage or loss of any parts, it is recommended that service and repair to this model be done only by a qualified individual.

Be prepared for reassembly prior to disassembling model. The order of disassembly and location/orientation of part(s) is sometimes difficult to recall without your own initial observation. KATO does not recommend the removal of factory printing for the purpose of custom painting. Undecorated model or bodyshell may be available through your local hobby dealer, or KATO USA, for this purpose.

How to remove the bodyshell:

- a) Detach couplers by removing screws.
- b) Remove the coupler from pocket.
- Detach side handrails (if previously installed) from body.
- d) Gentily squeeze sides of body inward, with attention to location of hooks at bottom edge of shell(see Exploded View diagram), and lift. Walkway may or may not come off with body.



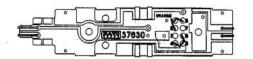
(NOTE)

For Digital Command Control (DCC) Use (optional):

This model can be equipped with an optional NMRA DCC-compatible decoder (sold separately). Although this model is set up for normal DC analog operation from the factory, it can be easily converted for digital operation by replacing the dummy plugs in the factory-installed DCC socket with the decoder.

After removal of bodyshell (see instructions), simply remove the dummy plugs (see figure) and install your DCC decoder. For instruction of DCC-operation and/or installation of additional functions, please refer to the decoder manufacturer or their sales agency.

ATTENTION: To avoid short circuit, do not install the dummy plugs in any other position than that shown in figure. Failure to do so could result in severe damage to electrical components.



NOTICE:	LIMITED WARRANTY
Max.Operational voltage:12V DC	KATO U.S.A, INC, warrants that this product will be free from defects in material and workmanship for a period of sixty(60) days from the date of purchase. If this product fails during the warranty period, carefully pack the assembled item in the original carton, together with the dated sales receipt, and return to:
Additional lubrication at time of purchase is not	KATO U.S.A., INC. 100 Remington Road, Schaumburg, IL 60173. Defects due to misuse, improper maintenance and/or abuse are not covered by this warranty, Items that have been modified by the modeler or anyone other than an authorized KATO repair person are not covered by the warranty. This warranty gives you specific legal
recommended,	rights and you may also have other rights which vary from state to state,

Parts Price List & Order Form

900030	SCREW 2×6MM, FLAT HEAD (6 EA)	\$1.00	960010	12T DRIVE GEAR (5 EA)	\$4.00
900040	SCREW 2×7MM, ROUND HEAD (6 EA)	\$1.00	961010	15T IDLER GEAR (5 EA)	\$4.00
900100	SCREW FOR FRAME MOUNT COUPLERS (6 EA)	\$1.00	961500	WORM BEARING & JOINT SET (2 EA)	\$4.00
900120	SCREW 2×12MM, FLAT HEAD (6 EA)	\$1.00	962030	GEARED WHEELSET (2 EA)	\$5,00
950000	HANDRAIL HOLE OPENER TOOL	\$1.00	964051	TRUCK DETAILS, BLACK (2 EA)	\$2.50
950012	3 CHIME AIRHORN, GRAY	\$1.25	964052	TRUCK DETAILS, GRAY (2 EA)	\$2,50
950014	3 CHIME AIRHORN, CR BLUE	\$1.25	965000	LONG CAB SUNSHADES, GRAY	\$1.00
950017	3 CHIME AIRHORN, DARK GREEN	\$1,25	965010	SHORT CAB SUNSHADES, GRAY	\$1.00
951170	SD70MAC BODYSHELL, UNDEC (CAB HL)	\$40.00	965011	SHORT CAB SUNSHADES, BLACK	\$1.00
951570	SD70MAC GLASS SET (CAB HL)	\$8.00	965016	HEADLIGHT HOUSING (CAB MOUNT) (2 EA)	\$1.00
951802	EMD WIDE CAB INTERIOR	\$3.00	965026	NUMBER BOARD INSERTS	\$1.00
952102	SD70MAC HANDRAIL SET, GRAY	\$7.00	965041	EMD BRAKE WHEEL, BLACK (2 EA)	\$1.00
952104	SD70MAC HANDRAIL SET, CR BLUE	\$7.00	965042	EMD BRAKE WHEEL, GRAY (2 EA)	\$1.00
952107	SD70MAC HANDRAIL SET, BNSF GREEN	\$7.00	965049	EMD BRAKE WHEEL, BNSF ORANGE (2 EA)	\$1.00
952500	MU HOSES (1 SET)	\$2.00	965053	SNOW PLOW, BLACK	\$1.00
953030	COUPLER SET: X2F W/ SCREW, BLACK (1 PAIR)	\$2.00	965511	SINCLAIR ANTENNA, BLACK (2 EA)	\$1.00
953040	COUPLER SET: KATO KNUCKLE W/ BOX, BLACK (2 PAIR)	\$2,00	965512	SINCLAIR ANTENNA, GRAY (2 EA)	\$1.00
953050	COUPLER SET: MAGNETIC KNUCKLE W/ BOX, BLACK (2 PAIR)	\$3.00	965514	SINCLAIR ANTENNA, CR BLUE (2 EA)	\$1.00
954091	SD70MAC FUEL TANK, BLACK	\$3.00	965521	BELL, BLACK (2 EA)	\$1.00
956030	MOTOR WITH FLYWHEELS	\$30.00	965522	BELL, GRAY (2 EA)	\$1.00
957010	MOTOR BRUSH SET: BRUSH, CAP, SPRING (2 EA)	\$1.00	965541	EMD WIDE CAB WINDSHIELD WIPERS (1 SET)	\$1,00
958040	CIRCUIT BOARD WITH GOLDEN WHITE LEDS	\$16.00	965572	SAND FILL HATCH, GRAY (1 PAIR)	\$1.00
959141	HTCR PHASE 2 TRUCK, BLACK	\$25.00	965580	SD70MAC BLOWER HOUSING, GRAY	\$1,00
959143	HTCR PHASE 2 TRUCK, SILVER	\$25,00	966013	ANALOG JUMPER PLUGS (6 EA)	\$2.00
959147	HTCR PHASE 2 TRUCK, BNSF GREEN	\$25.00	967015	UNIVERSAL (2 EA)	\$2.00

Price and Availability Subject to Change Without Notice. Parts May Also be Available at Your Local Hobby Dealer. General Questions and Foreign Orders 847-781-9500. Check Here if Color Substitutions are Acceptable if Selected Color

Parts may be ordered online at : www. katousa. com

Choice is not Available.

Name	3	9:00 a.m. to 12:00 p.m.	Phone Orde	ers	Fax Orders 847-781-95	5
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