

EMD SD70MAC

Cab Headlight

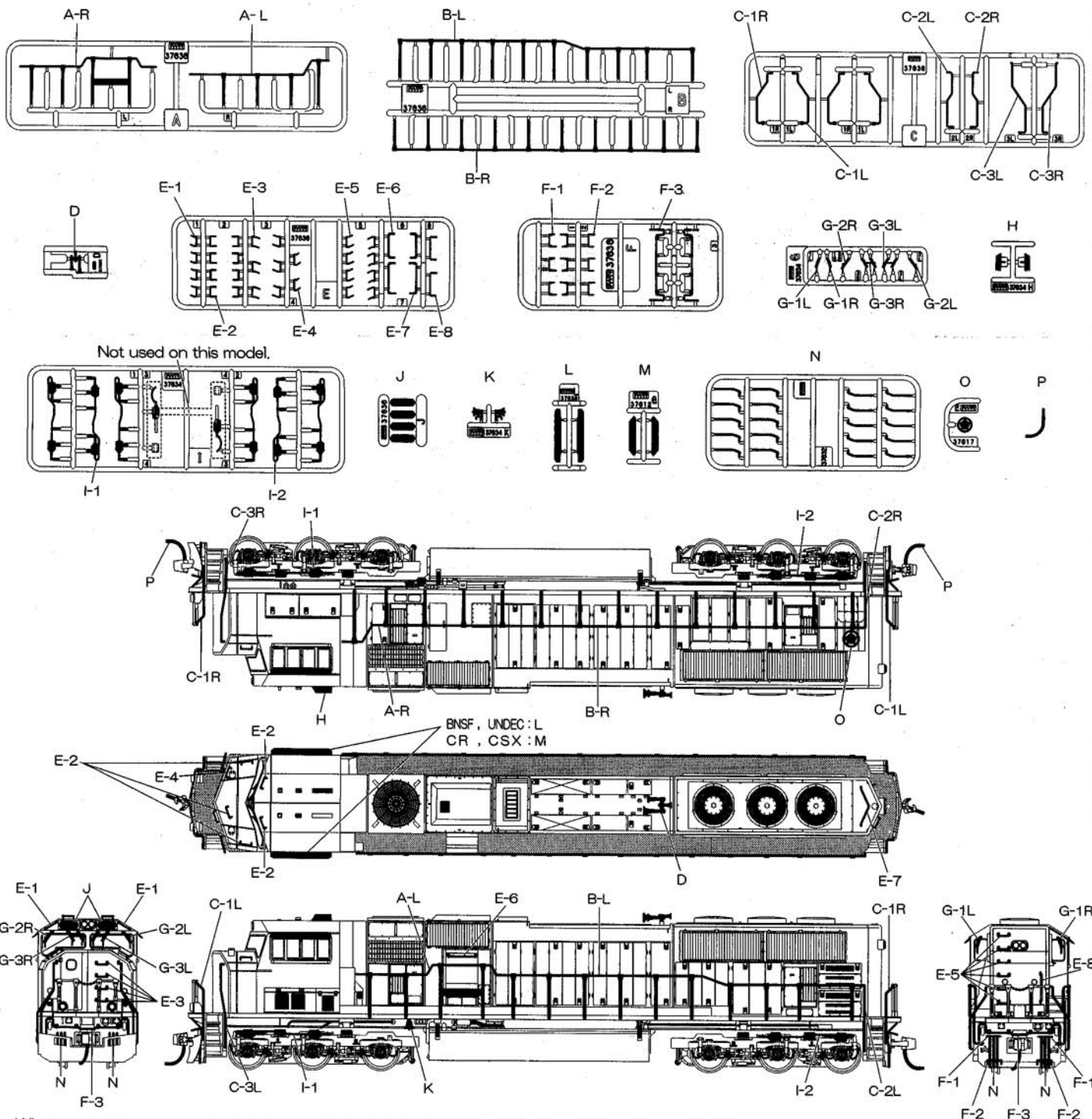
Kato Precision Railroad Models.....

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.

Individual parts can be separated from the sprues without the need of any tools.
For best results, the use of a standard hobby knife and tweezers is recommended.



When not in use, assembled locomotive may be stored in original container for protection.

965016
HEADLIGHT HOUSING (CAB MOUNT)

965572
SAND FILL HATCH, GRAY

951170
SD70MAC BODYSHELL, UNDEC (CAB HL)

950000
HANDRAIL HOLE OPENER TOOL

951802
EMD WIDE CAB INTERIOR

Hooks

951570
SD70MAC GLASS SET (CAB HL)

965580
SD70MAC BLOWER HOUSING, GRAY

900100
SCREW FOR FRAME
MOUNT COUPLERS

965053
SNOW PLOW, BLACK

953030
COUPLER SET:
X2F W/ SCREW, BLACK

953040
COUPLER SET:
KATO KNUCKLE W/ BOX, BLACK

953050
COUPLER SET:
MAGNETIC KNUCKLE W/ BOX, BLACK

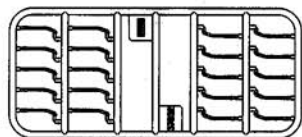
SD70MAC HANDRAIL SET
952102 GRAY
952104 CR BLUE
952107 BNSF GREEN

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.

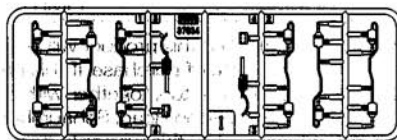
Be prepared for reassembly prior to disassembling model. The order of disassembly and location/orientation of part(s) is sometimes difficult to recall without your own initial observation. KATO does not recommend the removal of factory printing for the purpose of custom painting. Undecorated model or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

How to remove the bodyshell :

- Detach couplers by removing screws.
- Remove the coupler from pocket.
- Detach side handrails (if previously installed) from body.
- Gently 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.



952500
MU HOSES



TRUCK DETAILS
964051 BLACK
964052 GRAY



965026
NUMBER BOARD INSERTS



BELL
965521 BLACK
965522 GRAY



3 CHIME AIRHORN
950012 GRAY
950014 CR BLUE
950017 DARK GREEN



SINCLAIR ANTENNA
965511 BLACK
965512 GRAY
965513 CR BLUE



EMD BRAKE WHEEL
965041 BLACK
965042 GRAY
965049 BNSF ORANGE



965541
EMD WIDE CAB WINDSHIELD WIPERS



965000
LONG CAB SUNSHADES, GRAY



SHORT CAB SUNSHADES
965010 GRAY
965011 BLACK

963013
ANALOG JUMPER PLUGS

900040
SCREW 2x7mm, ROUND HEAD

958040
CIRCUIT BOARD WITH GOLDEN WHITE LEDS

956030
MOTOR WITH FLYWHEELS

967015
UNIVERSAL

961500
WORM BEARING & JOINT SET

900030
SCREW 2x6mm, FLAT HEAD

961010
15T IDLER GEAR

960010
12T DRIVE GEAR

962030
GEARED WHEELSET

957010
MOTOR BRUSH SET: BRUSH, CAP, SPRING

900120
SCREW 2x12mm FLAT HEAD

954091
SD70MAC FUEL TANK, BLACK

HTCR PHASE 2 TRUCK
959141 BLACK
959143 SILVER
959147 DARK GREEN

(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.

