



**KEY TO DIESEL-ELECTRIC POWER PLANT**

(1) Sixteen-cylinder diesel engine, the primary source of power. (2) Electric generator, coupled direct to the engine, and supplying electric power to driving motors and accessories. (3) Electric cables to switchboard and control apparatus. (4) Room housing switchboard and control apparatus. (5) Electric cables to motors of rear driving bogie. (6) Electric cables to front driving bogie, entering through pivot. (7) Electric driving motors, three to each bogie. (8) Reduction gearing to driving axles. (9) Fan and air ducts for cooling motors.

**KEY TO OTHER PARTS**

(10) Sandboxes. (11) Door for making connection to gangway of train corridor. (12) Driver's controls. (13) Driver's assistant (freeman) and wheel operating hand-brake. (14) Door from driving cab into engine-room. (15) Oil fuel tanks, 815 gallons capacity. (16) Engine cooling radiator. (17) Radiator fan. (18) Engine exhaust outlets and fans. (19) Sliding roof panels. (20) Grilles of engine air intakes. (21) Battery box. (22) Rear three-motor bogie. (23) Water tanks for train-heating boiler. (24) Oil-fired boiler, automatically controlled for supplying heat to train in winter. (25) Rear end driving cab. (26) Second diesel-electric unit, operated from front driving cab by multiple unit controls.

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