NO. 2333 LOCOMOTIVE

Donel No. 2333 Twin Diesel Locemative is a markful scale model of the General Motors lecomotive. It consists of two 'A' Units and together and similar in outward appear-The front unit, No. 2333P, is powered by me interconnected and simultaneously operating mones controlled by one reversing "E-Unit" m 1333-80. The operating voltage of the locumatter is 9-12 volts, depending on the load. Im notors are mounted on the front and rear mucks and coupled to the driving exics by ments of a worse and gear having a ratio of 8 = 1. The power unit also carries a subbermented horn together with its controlling may. Power for the horn is supplied by a ore 'D' flashlight cell. The reas unit, m. 1333T, is not powered and contains on matcolling mechanism. The 'front' trucks of me units are equipped with electro-magnetic maplers which operate on remote control track metions, picking up power front control rails - nears of stiding contact sheer.

Lional Twin Diesel Locomotives are available and either Santa Fe or New York Central markmar. While both types are sold under the malegue number 2333, service parts for the Saw York Central' locomotive bear 2334 maignation.

When checking the performance of the twin diesel locomotive, make sure that both motors operate equally well. Raise the locomotive on blocks and apply voltage gradually. After the locomotive had been 'run in' for about 10 or 15 minutes the starting voltage of the two motors should not very more than one wolt. If the variation is greater than that, clean the computator and check the brushes and the tension of the brush springs of the slow motor. Occasionally, poor operation of the motor may be due to mechanical interference between the field end the aswature caused by loose riveting of the field laminations. The condition is essily repaired by tightening the riveting of the field stude at point 'A,' Figure 1, with a siveting punch or a ball peen harmer.

If one motor does not operate, the locumotive wheels will skid end loss traction. Father of a motor may sometimes be caused by the field winding coming into contact with one of the brush leads at point 'B.' If the motor operates but fails to turn the wheels examine the driving gear on the ameature shaft to see that it is tightly staked to the sheft. If it has become loose, remove the gear, score the end of the shaft with giant nippers, cold chisel, etc., and force the gear back onto the shaft.

WIRING DIAGRAM OF No. 2333 LOCOMOTIVE

