

#9027

F3-A, F7-A DUAL POWER UNIT

INSTRUCTIONS

READ CAREFULLY BEFORE STARTING

1. Study the picture and note the relative positions of the four gear units in relation to the front of the A unit. Lubricate all bearings and gears and assemble the units into the trucks following the F3, F7, GP7 truck instructions furnished with the diesel body kit, substituting the gear units for the wheel and axle assemblies.
2. Mount the #4045 motor brackets to the motor using #C-1601 screws and #C-2038 lock washers. The lugs on the brackets should be below the centerline of the motor. Solder ball joint coupling on motor shaft.
3. Install the #4044 motor frame by inserting the lugs on the motor brackets into the holes in the rubber grommets. The large flanges of the grommets should face the motor.
4. Mount the above assembly onto floor plate #1008 using #C-1406 screws, #C-2043 spacer washers, #C-2034 lock washers and #C-1400 nuts. IMPORTANT: Two each of the #C-2043 spacer washers must be used between the floor plate and the motor frame in each of four places to raise the frames 1/8" off the floor plates.
5. Place the truck assemblies into the floor plates and at the same time install the #4092 drive tube between the motor and the #9056 tower gear unit in the rear truck. Secure both trucks in place using the #1009 king pins, #C-1895 washers and #C-2036 "C" washers from the body kit as shown in the truck assembly sheet. Install the #4094 countershaft drive tube between the trucks by swiveling trucks outward and slipping tube over the ball joints.
6. Solder wire leads to motor as shown in drawing. Point "X" should be soldered to the #C-2032 sideframe retaining clips. DO NOT attempt to solder wire leads to any point on the transmission gear units.
7. At this point test run the unit. Note that the countershaft drive tube will fall out of its place if the trucks are allowed to swivel excessively. This will not occur once the unit is mounted into the body as truck swivel will be limited by the steps.
8. Install the weights into the body with #C-2026 sheet metal screws. This can be done thru the bottom with a little dexterity and possibly a little filing of the top corners of the weights. If your model has not been finished and painted the weights can be installed thru the top. Make sure that the headlight socket wiring does not touch the special front end weight.
9. Complete the wiring (headlight to motor) and install the power unit into the body using #C-1402 screws from the body kit.
10. PLEASE NOTE!! FOLLOW THIS PROCEDURE AFTER ASSEMBLY INTO CHASSIS. Run the chassis upside down before assembling into diesels and lightly sand uninsulated wheel treads on power trucks removing black plating as this plating is an insulator. This will assure perfect pickup. We do not do this at factory to prevent rusting. If possible do same to pick-up wheels if not on a power truck. Best way is in a drill press or hand electric drill. Be careful to chuck axle ends lightly as not to mar axle end.