EIMCO COAL MACHINERY

A TAMROCK COAL COMPANY

VEHICLE PERMISSIBILITY CHECKLIST

EIMCO MODEL 935 - 2NL

Reference 935-2NL Permissible Engine Package Document, MSHA Certification #31/D57

If an MSHA permissible plate has been affixed to this vehicle it must meet the requirements of Part 36, Title 30 Code of Federal Regulations. It is the responsibility of the user to see that this vehicle is maintained in permissible condition and it is used in a permissible manner.

Listed below are the items and functions that must be maintained at all times in order to keep approval status of this vehicle. This checklist should be posted for easy reference by the personnel that have been assigned this responsibility.

Approval Number. . . . . _____ 31-110
Vehicle Serial Number. . . . . -_----------
Customer's Signature. . . . . _____

ALL INSPECTIONS AND TESTS SHALL BE PERFORMED IN FRESH AIR.

For a complete permissibility evaluation, this checklist must be used in conjunction with a Safety System Permissibility Checklist and an Electrical System Permissibility Checklist:

(WEEKLY) DESIGNATES THOSE INSPECTION CHECKS THAT MUST BE PERFORMED DURING THE WEEKLY MAINTENANCE EXAMINATION IN ACCORDANCE WITH 30 CFR, SECTION 75.1914.

FUEL SYSTEM

(WEEKLY) 1. ( ) No auxiliary fuel tanks have been added to this vehicle.

(WEEKLY) 2. ( ) There are no fuel Leaks.

(WEEKLY) 3. ( ) The fuel cap is vented and self closing, and attached to the tank in a manner which will prevent loss during refueling. (Vent hole through center of cap must be operable.) (Figure 1) (1*)

(WEEKLY) 4. ( ) Fuel filters are installed and in working order. (2*)

(WEEKLY) 5. ( ) Manual fuel shutoff valve installed between fuel tank and engine is accessible and operational. (3*)

(WEEKLY) 6. ( ) Fuel lines are secured and not routed near or connected to hot exhaust components and are protected from external. damage. (figure 3 or 3A)

*Reference Page 7 or 8 - Machine Layout Diagram

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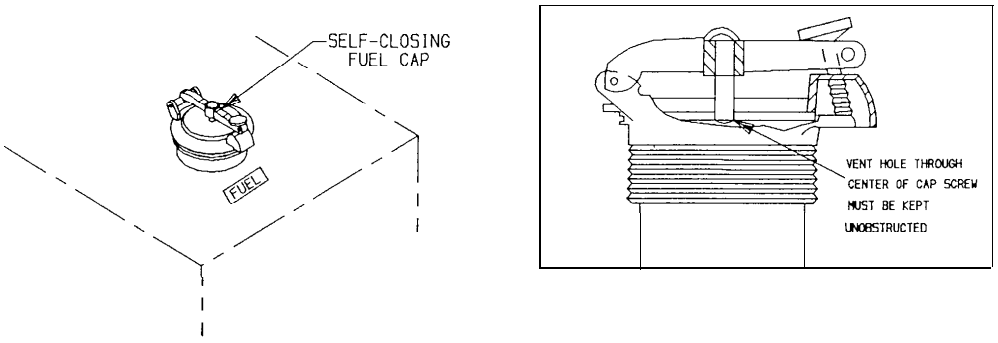


FIGURE 1. SELF-CLOSING FUEL CAP

(WEEKLY) 7. ( ) The fuel injection rate adjustment mechanism and the engine governor setting are Locked and sealed. (Figure 2) (4*)

(WEEKLY) 8. ( ) The drain plug in the fuel tank is secure. (5*)

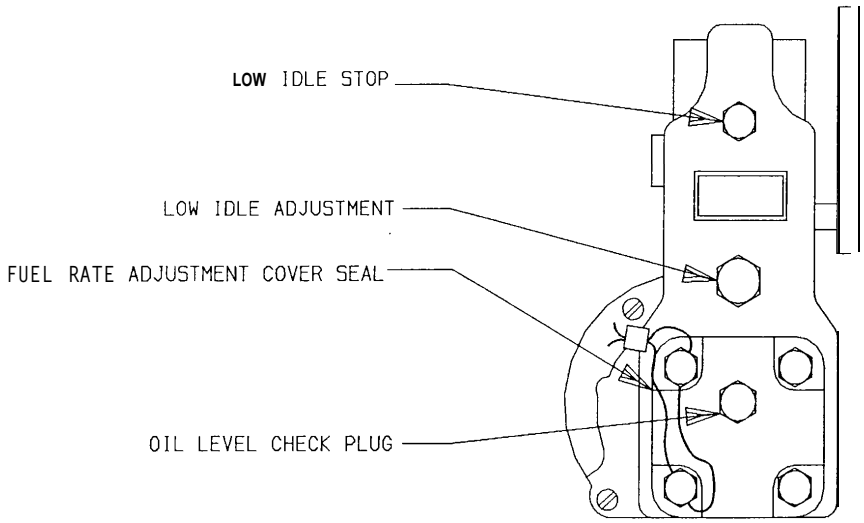
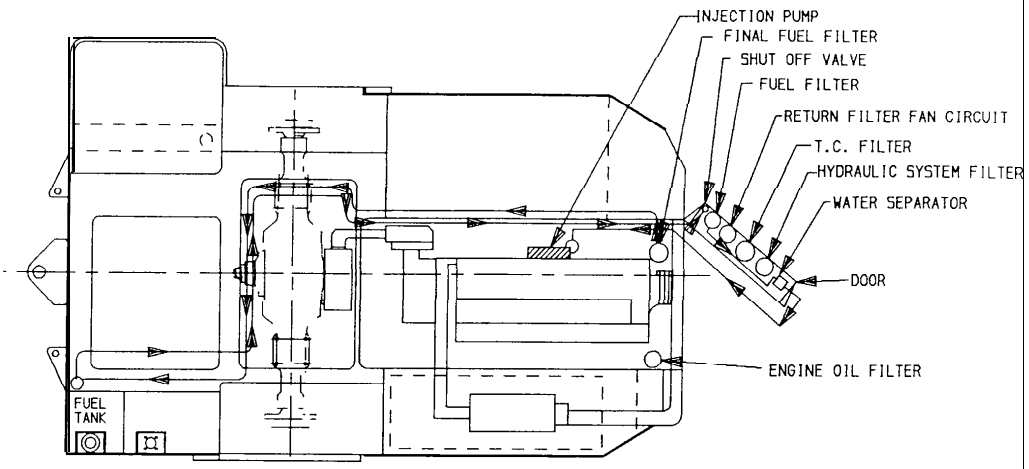
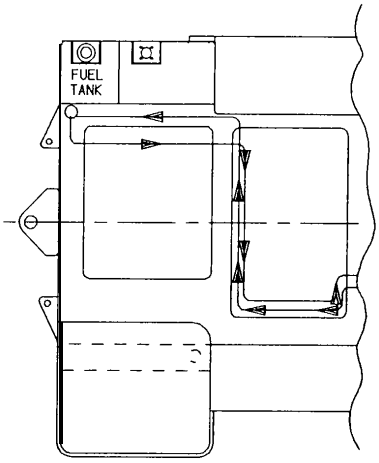


FIGURE 2



STANDARD ARRANGEMENT



ALTERNATE OPERATOR'S COMPARTMENT

FIGURE 3. FUEL LINES

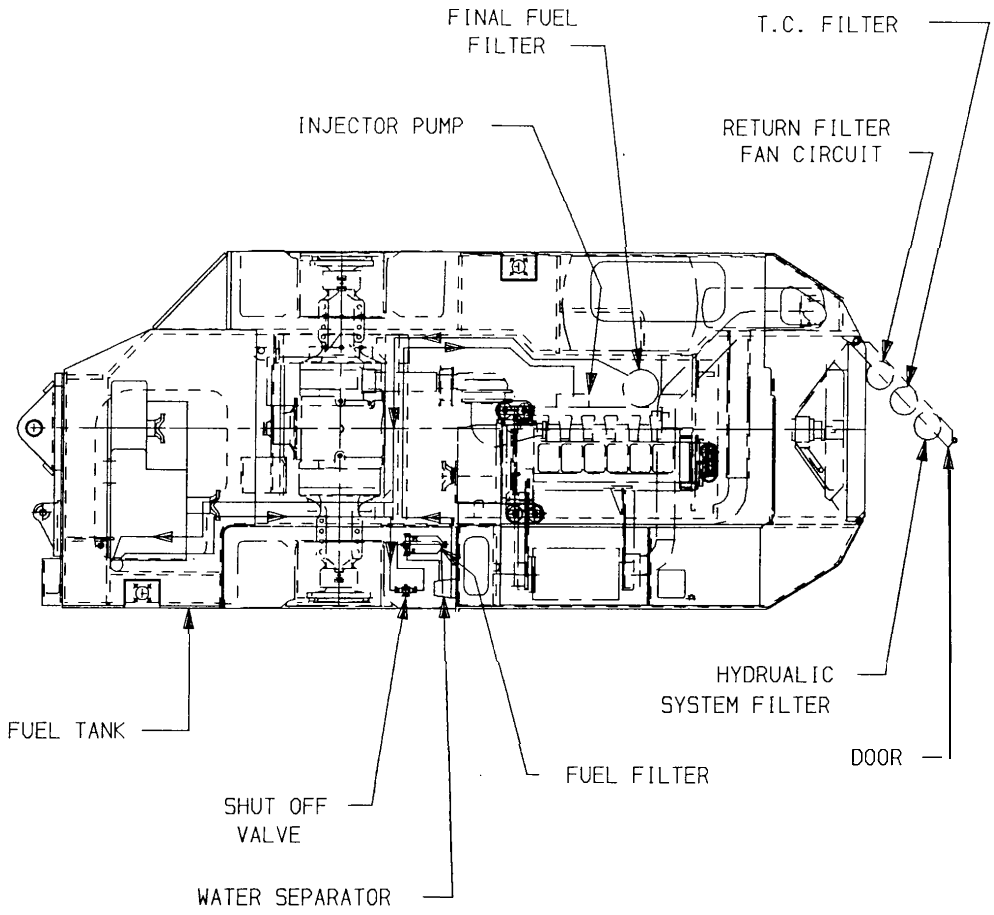


FIGURE 3A

MISCELLANEOUS

The design of the exhaust conditioner Limits permissible operation to grades not exceeding 32%. The EIMCO service brake will stop and hold the machine on a 32% grade: also park brake will hold the machine on a 32% grade.

(WEEKLY) 1. ( ) The vehicle has an MSHA approval plate attached to it. (8*)

(WEEKLY) 2. ( ) Verify ventilation rate of 5500 cfm is stamped on approvaL Plate.

(WEEKLY) 3. ( ) The vehicle is equipped with a minimum 5# fire extinguisher Class 2A 10BC NFPA rated that is fully charged. (7*)

(WEEKLY) 4. ( ) Brake tests are to be conducted on a relatively Level surface away from traffic areas where other machines or persons may be moving about. Consider the possible consequences of testing a machine with assumed braking inadequacies, and select an area where the machine would not cause an accident due to these inadequacies.

(WEEKLY) 5. ( ) The park brake is operable. (6*)

Check that it holds the vehicle from moving with the transmission controls in forward, in second gear, and with the engine operating at 2000 rpm.

(WEEKLY) 6. ( ) The service brakes are operable.

Check that they hold the vehicle from moving with the transmission in forward, in second gear, and with engine operating at 2000 rpm.

(WEEKLY) 7. ( ) The engine will not start unless the transmission control is in the neutral position.

(WEEKLY) 8. ( ) The main air pressure gauge in the operator's compartment is operable.

(WEEKLY) 9. ( ) The exhaust difuser is attached to the scrubber outlet Located on the engine end of machine (exhaust gas is discharged into the path of an engine driven blower fan).

10. ( ) The fire suppression system is operable as determined by the following

( ) a. Note general appearance for mechanical damage or corrosion.

( ) b. Check nameplate(s) for readability.

( ) c. Remove fill cap assembly.

( ) d. Make certain extinguisher is filled with Free-flowing AnsuL dry chemical to a Level of not more than 3 inches from the bottom of the fill opening.

( ) e. Secure fill cap, hand tighten.

( ) f. Remove cartridge from extinguisher and examine disc - seal should be unruptured.

( ) g. Return cartridge to cartridge receiver/actuator assembly, hand tighten.

( ) h. Check piping (hose), fittings and nozzles for mechanical damage and cuts.

( ) i. Check nozzle openings - slot should be closed (capped) with silicone grease or covered with black plastic blow-off cap.

( ) j. Remove cartridge from remote actuator, and examine disc - seal shouId be unruptured.

( ) k. Return cartridge to remote actuator assembly, hand tighten.

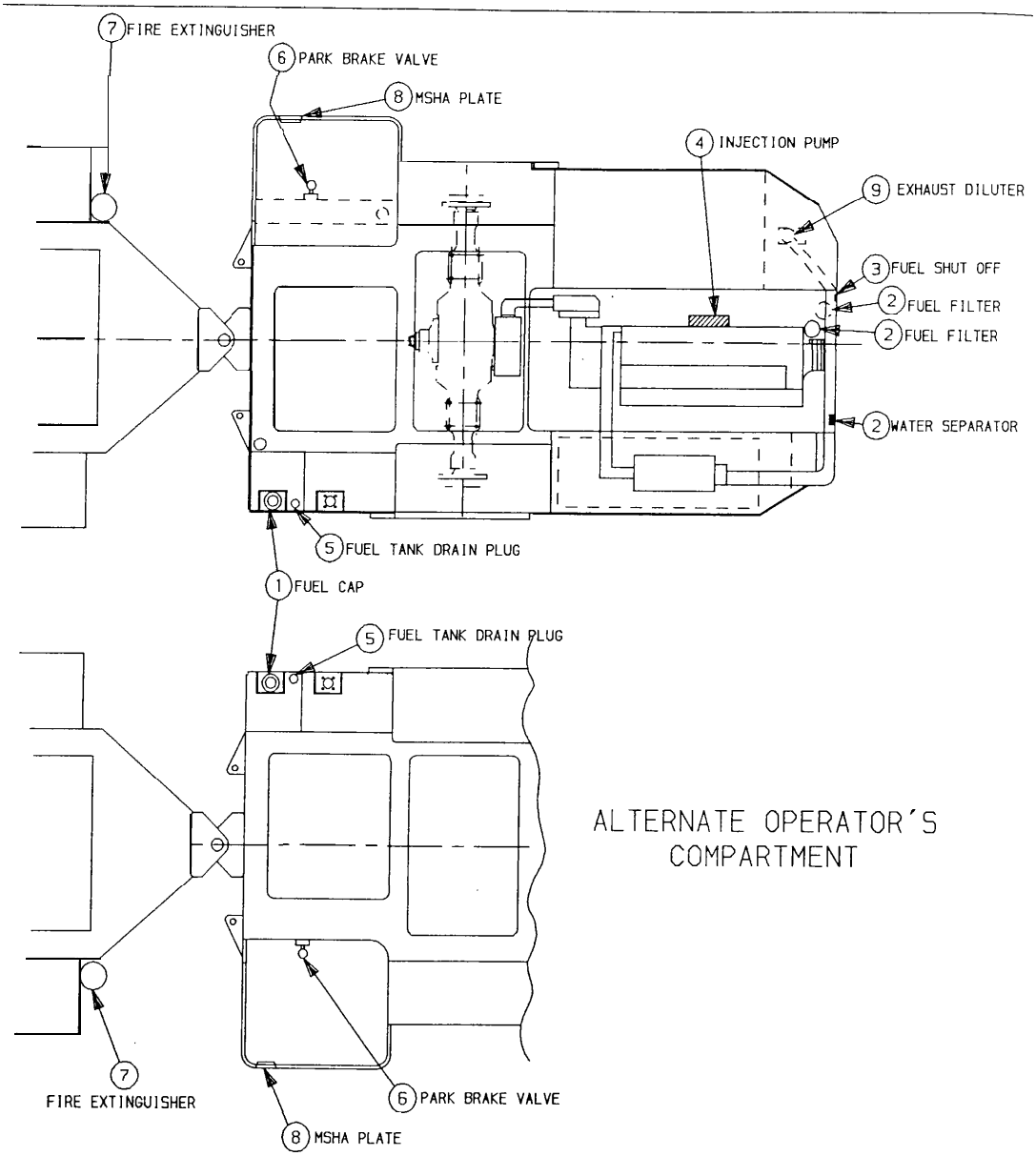
( ) l. Replace any broken or missing Lead and wire seals.

11. ( ) For optional automatic fire suppression system, in conjunction with Check No. 10, above, fire suppression system is operable as determined by the following:

( ) a. On control module, green battery LED is flashing once every three seconds and no other LED is flashing. No audio alarm should be sounding.

( ) b. Remove cartridge from gas motor actuator and examine disc - seal should be unruptured .

( ) c. Return cartridge to gas motor actuator, hand tighten.



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MACHINE LAYOUT DIAGRAM

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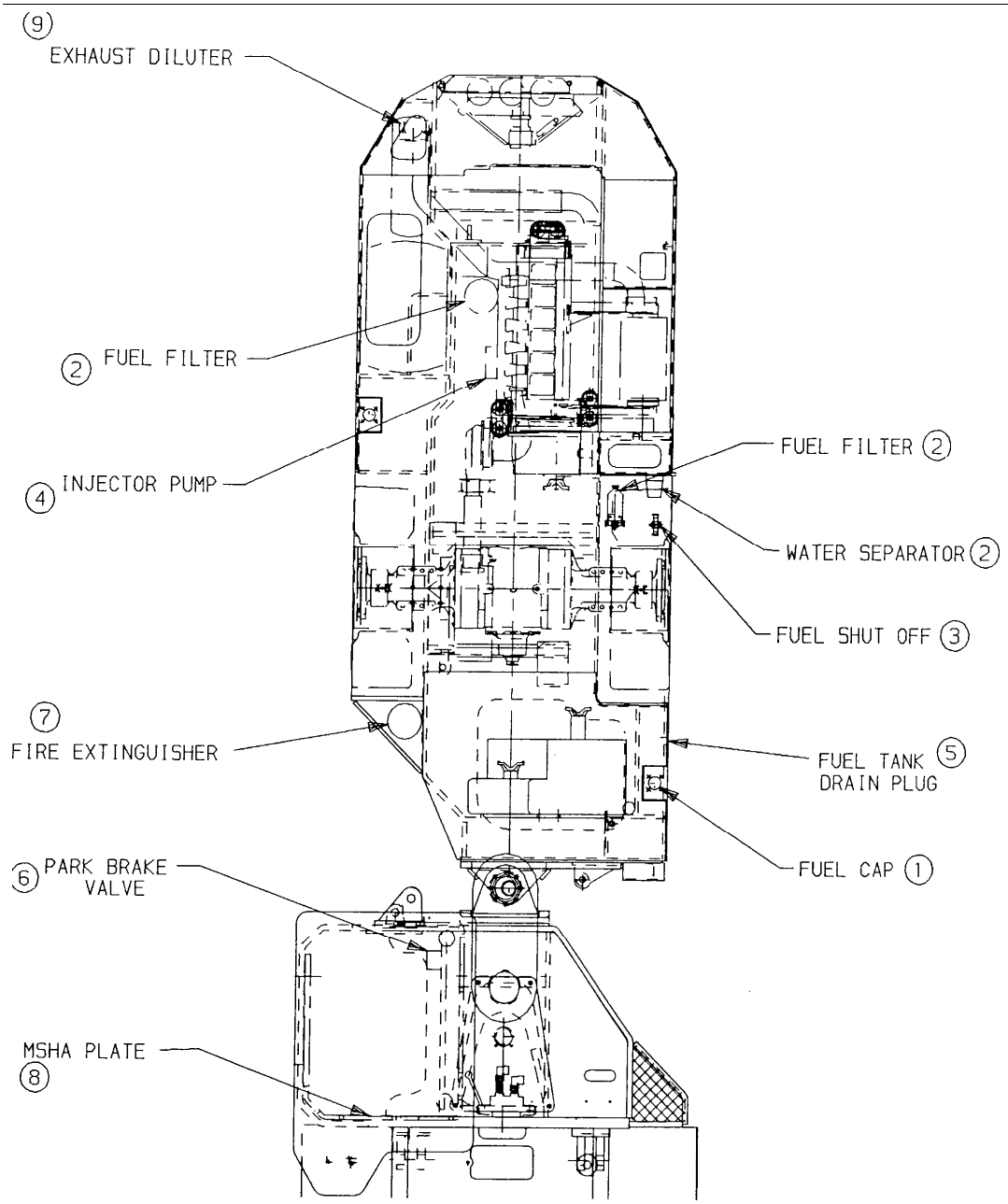

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