

MACHINE CHECKLIST

Make and Model No. Petitto Model 2060 & Model 2066

Machine Type Utility Tractor

If an MSHA Part 36 approval plate has been affixed to this machine, it must meet the requirements of Part 36, Title 30, Code of Federal Regulations. It is the responsibility of the user to ensure that this machine is maintained in permissible condition in accordance with this checklist.

ALL INSPECTIONS AND TESTS SHALL BE PERFORMED IN FRESH AIR.

PERMISSIBILITY:

1. For a complete permissibility evaluation, this checklist must be used in conjunction with a power system checklist and, if so equipped, an electrical system checklist.
2. The design of the exhaust conditioner limits permissible operation to grades not exceeding 20%.
3. Due to braking capability limitations, this machine shall not be operated at grades greater than 20%.
4. The approval plate specifies a ventilation rate of 9,500 cm.

APPLICABLE APPROVALS
31-107-0
31-107-1
31-107-2
31-130-0
31-130-1

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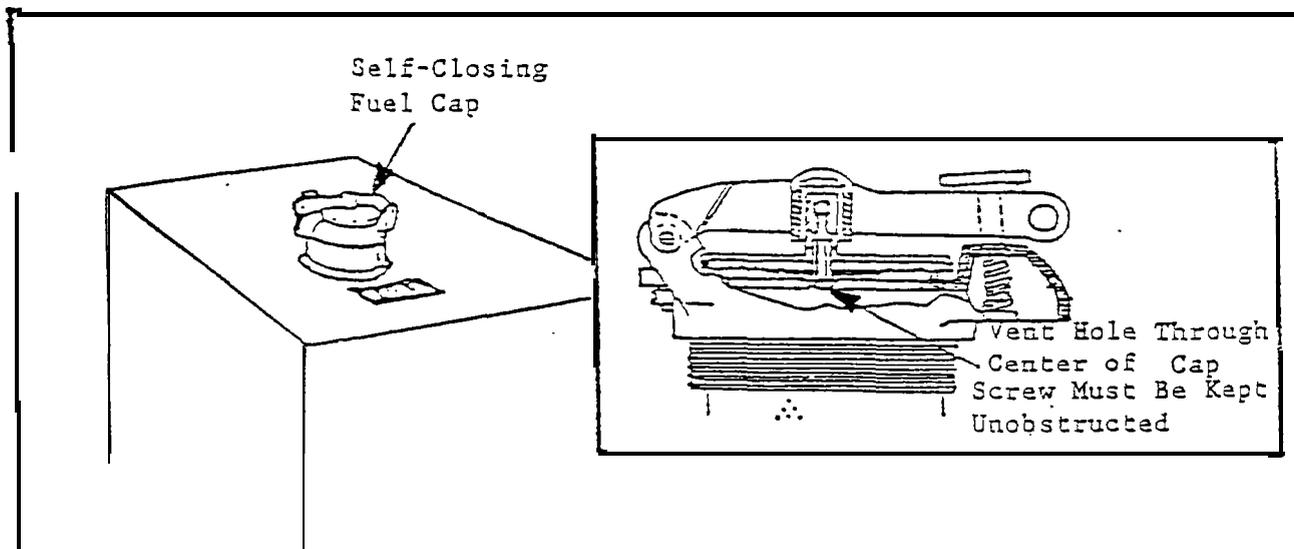
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A. FUEL SYSTEM :

(Weekly) 1. () There are no fuel leaks.

(Weekly) 2. () The fuel filler cap (1)* is vented and the vent is not plugged,
see Figure 1.

(Weekly) 3. () The fuel filler cap is self-closing and is attached to the tank in
a manner which will prevent loss during refueling.



F i g u r e 1

(Weekly) 4. () Auxiliary fuel tank capacity has not been added to the vehicle.

(Weekly) 5. () Fuel Filters (2)* are properly installed and are not damaged.

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

*Referenced items shown on Machine Layout Diagram.

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(WEEKLY) 6. () The fuel injection rate adjustment mechanism (3)* and the engine governor setting are locked and sealed, see Figure 2.

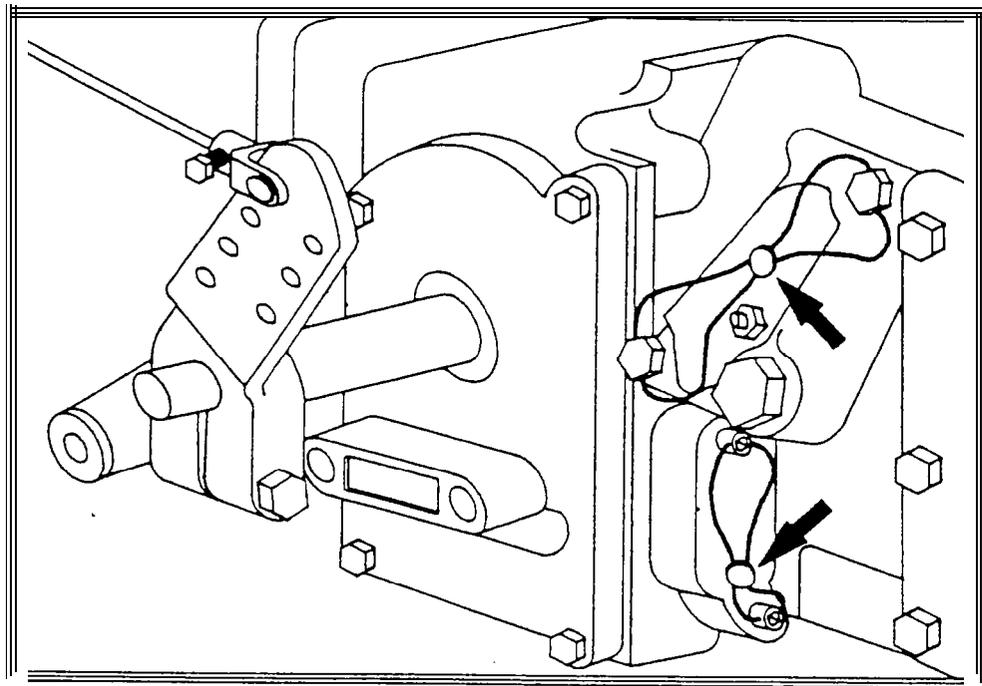


Figure 2

(WEEKLY) 7. () The fuel shut-off valve (4)* in the fuel supply is operable.

(WEEKLY) 8. () The drain plug (5)* in the fuel tank is locked in position. (Pipe plugs are considered "Locked in position" when tight.)

(WEEKLY) 9. () Fuel lines are not routed near or connected to hot exhaust components and are protected from external damage.

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(WEEKLY) 10. () Fuel lines are secured, see Figure 3.

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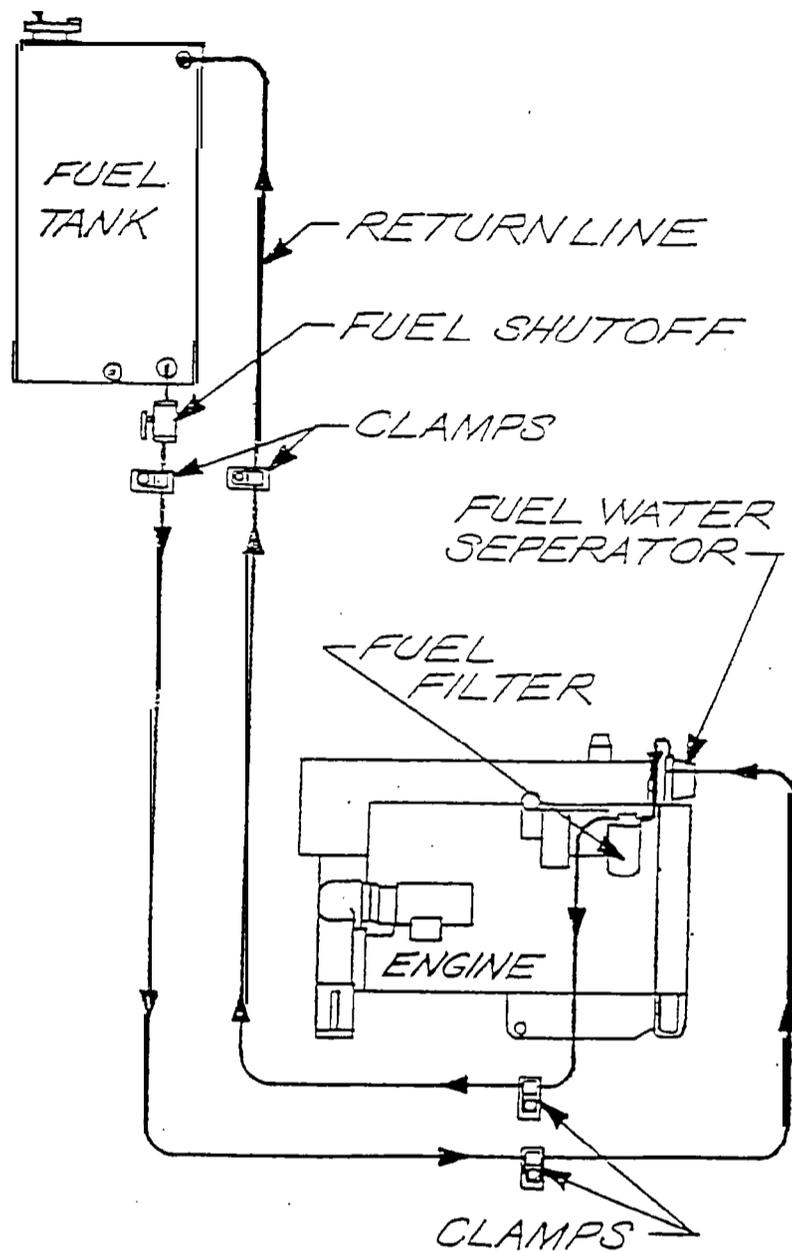


Figure 3

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B. BRAKING SYSTEM:

Warning: 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 such assumed braking inadequacies, and select an area where the test machine would not cause an accident due to these inadequacies.

- (WEEKLY) 1. () Service Brake Test.
- a. Release brake system by depressing foot pedal and tram machine forward at maximum tram speed.
 - b. Once that the maximum tram speed has been attained, release the tram control handles but keep the parking brake released by keeping the foot pedal depressed. The machine must come to a complete stop within a reasonable stopping distance.

The machine maximum speed is less than 2 m.p.h., therefore the machine's stopping distance should be less than approximately 30".

- C. Repeat this procedure in the reverse mode of travel.

If the machine requires more than a reasonable stopping distance, the hydrostatic drive must be adjusted or repaired.

To insure the grade holding capabilities of this machine, proceed to the parking brake test.

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(WEEKLY) 2. () Parking Brake Test.

- a. Locate shut-off valve (6)* near floor of operator's compartment just above the foot pedal, it is marked "Test/Run". Close valve to "test" position.
- b. Depress foot pedal (7)* and engage both tram levers (8)* at the same time to full stroke until tram pressure gauges (9)* reach 3,000 psi.
- c. Repeat step b but engage tram Levers in opposite direction.

If the parking brake is operating satisfactorily, the unit will not move when the above procedure is followed. If movement is detected, the parking brake discs must be replaced.

Note: Due to the fact that the hydraulic parking brake is an internal part of the hydrostatic tram unit, inspection for disc wear cannot be considered a part of normal maintenance. The hydrostatic tram unit must be partially disassembled in order to access the parking brake disc pack. The parking brake disc wear, therefore, is best determined through the parking brake test procedure as described above.

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MISCELLANEOUS

- (WEEKLY) 1. () The machine is equipped with at Least one 5 lb. dry cheafcal fire extinguisher (10)*. ALL fire extinguishers are fully charged.
2. () For machines equipped with a fire suppression system, the fire suppression system is operable as determined by the following checks:
- a. Note general appearance of system components for mechanical damage or corrosion.
 - b. Check nameplate for readability.
 - C. Remove fill cap.
 - d. Make certain tank is filled with free-flowing 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 expellant gas cartridge and exmine disc - seal should be unruptured.
 - g. Return cartridge to pneumatic actuator/cartridge received, hand tighter, and secure in bracket.
 - h. Check hose, fittings and nozzles far mechanical damage and cuts.
 - f. Check nozzle openings - slot on nozzle should be closed (capped) with silicone grease or covered with plastic blow-off cap.
 - j. Remove cartridge from manual actuator(s), and examine disc - seal should be unruptured.
 - k. Return cartridge to manual actuator(s) assembly, hand tighten.
 - l. Replace any broken or missing lead and wire seals.

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- Optional m. Remove cartridge from automatic actuator and examine disc, seal should be unruptured.
- Optional n. Return cartridge to automatic actuator assembly, hand tighten.
- Optional 0. Check sense wire and examine for damage or exposed conductors.
- Optional p. Visually check automatic actuator control module for green light to ensure adequate battery charge. Green light pulses once every three (3) seconds.
- (WEEKLY) 3. () The main air pressure gauge in the operator's compartment is operable.
- (WEEKLY) 4. () The machine has an MSHA Part 36 approval plate (11)" attached to it in the operator's compartment.
- WEEKLY) 5. () Neutral start is accomplished by spring loaded, self-centering tram control levers, and a spring loaded to closed position foot valve which prevents oil flow to the tram control levers.
- (WEEKLY) 6. () The exhaust diffuser at the scrubber outlet is installed on machine without diesel particulate filter system.
- (WEEKLY) 7. () If the optional diesel particulate filter system is installed, perform the following checks:
- a. The diesel particulate filter housing is not damaged.
 - b. Warning tag specifying maximum allowable exhaust back pressure of 16" water is installed next to the exhaust filter service indicator.
 - c. The service indicator is not damaged and appears to operate properly.
 - d. It is permissible to operate machine both with and without particulate filter element installed.

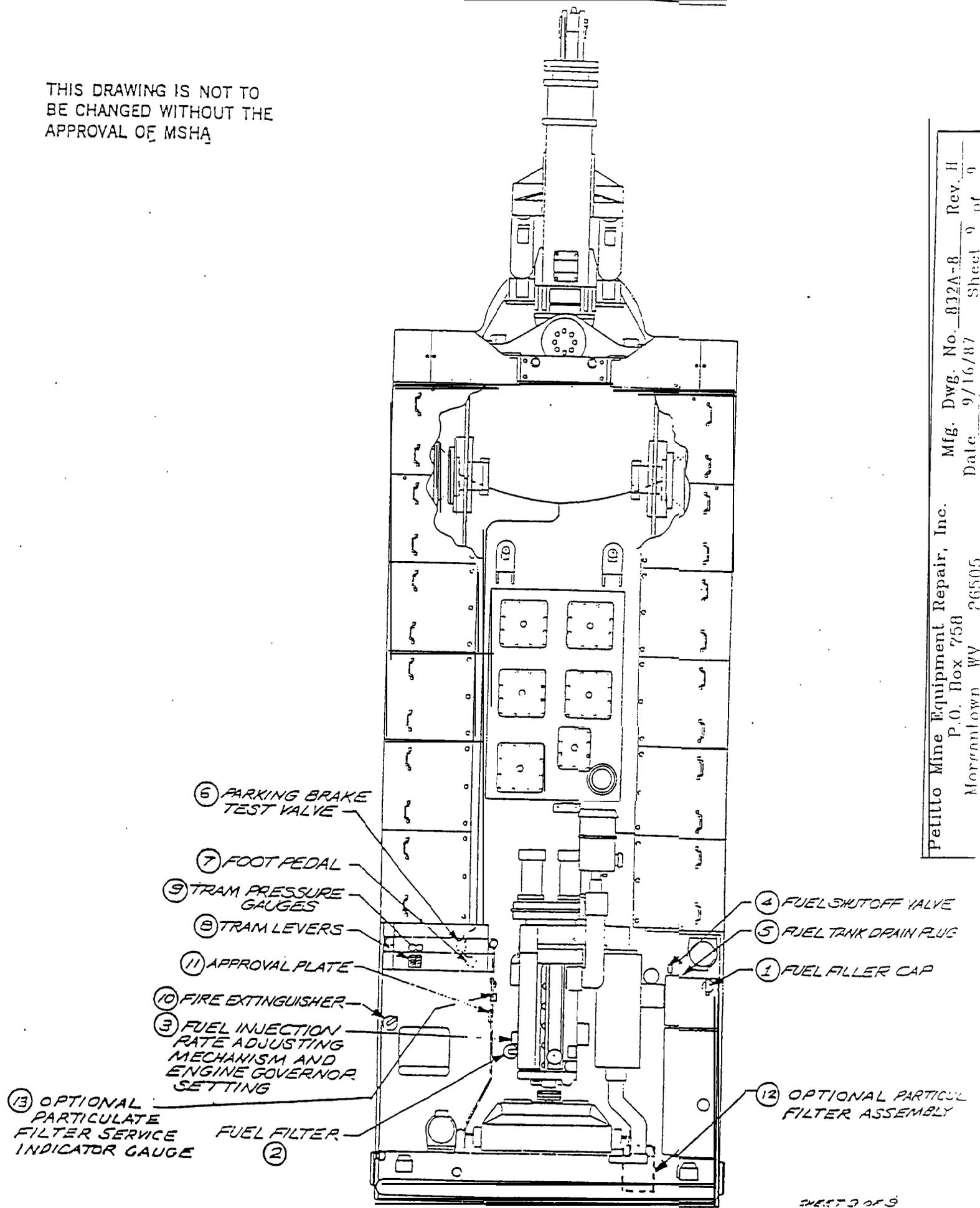
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MACHINE LAYOUT DIAGRAM

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