

HO ALCO RS-3 DIESEL

Mr. Roundhouse Superintendent:

The Atlas HO Alco RS-3 Diesel had been carefully assembled and tested before leaving the factory. It will provide virtually maintenance-free service; however, extended usage may require occasional replacement of the lamp and motor brushes.

Major disassembly should rarely be necessary and is not recommended for the novice. Only a person experienced in model loco repair should attempt dismantling the model as shown in the exploded perspective drawings.

IMPORTANT!

Before attempting disassembly all instructions should be read and drawings studied thoroughly so as to become familiar with the numerous latch locations which are identified in the drawings in a bolder italic typeface, ie **LATCH**.

BODY & CAB Removal

- 1) Detach handrails from cab and battery boxes at end with short hood.
- 2) Place thumb and forefinger on sides of long hood as low and as far forward as possible. Squeeze gently while pulling upward to release front latches. Repeat this procedure to release rear latches at end with short hood.
- 3) Cab is secured to body by four latches on Cab Glazing extending down through the slots in top of body shell.

TRUCK Removal

Detach Truck Wires 707313 by sliding their tiny connectors off the ends of Contact Wires 707104. Remove Trucks as follows:

- 1) Remove Worm Cover 707304 by gently releasing its four small latches. This will expose various worm shaft elements which are best lifted out to avoid their loss while handling truck.
- 2) Truck can now be removed by rocking its outer end upward and pulling it toward frame end.

The trucks should not be disassembled beyond the stage shown in Fig. 1. The transmission gears cannot be removed from the factory welded Gearbox 707302 except by spreading its sides risking permanent damage.

FIG. 1
Exploded Loco Assembly

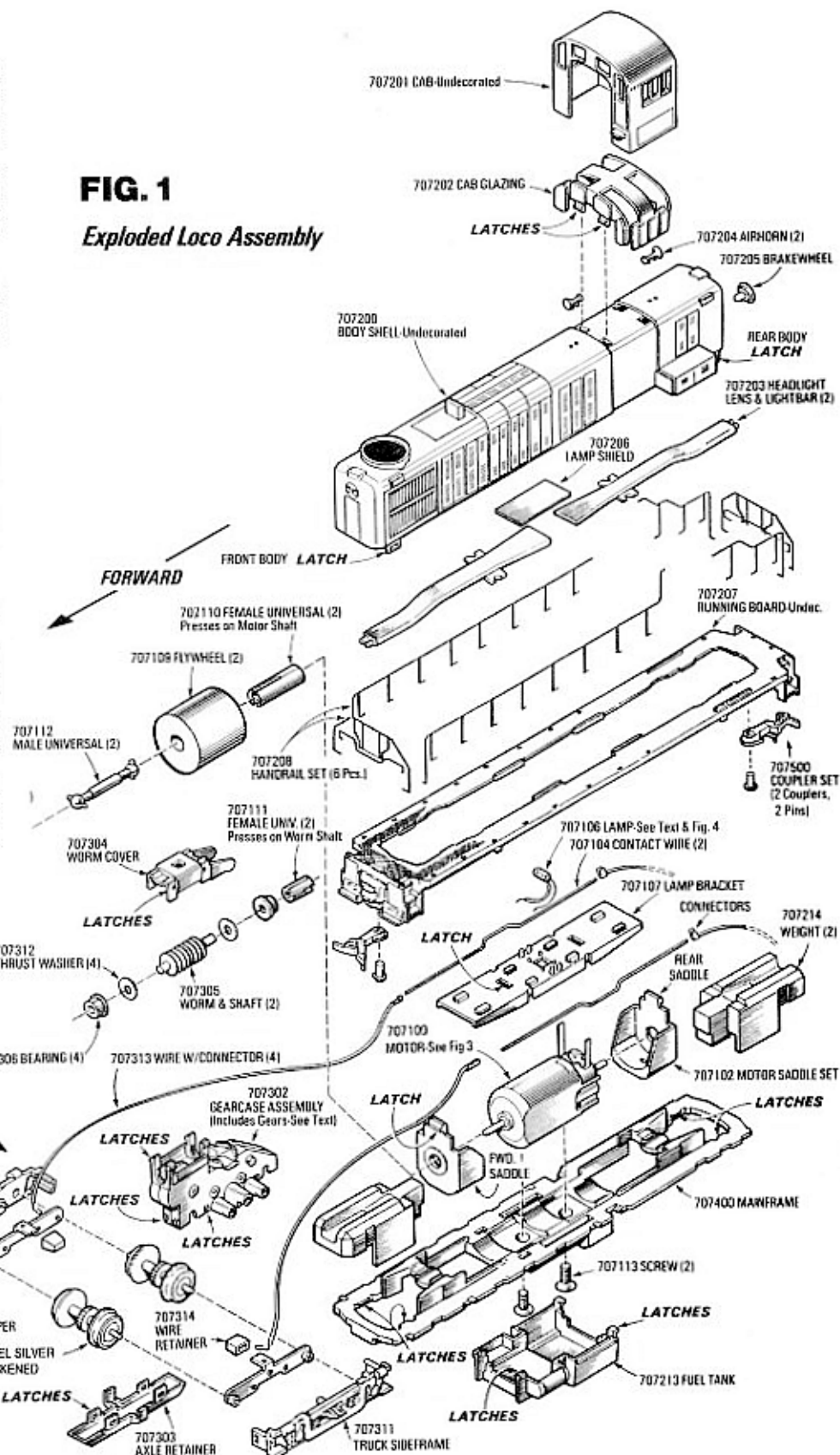


FIG. 2



*Truck assembly #805300 is not produced with wires #707313, #707304 (worm cover), #707305, #707312, #707111, #707306. These items must be purchased separately.

REPAIR MANUAL

HO ALCO RSD-4/5 DIESEL LOCO

Mr. Roundhouse Superintendent:

With the exception of their six-wheel trucks, the Atlas Alco RSD-4/5 Diesels share virtually all parts with the Atlas RS-3 Diesels. This supplemental sheet deals only with the RSD-4/5 trucks a few of whose parts also are shared with the RS-3's. Parts used only on the RSD-4/5 are numbered in the 708000 series and are noted by asterisk in the Parts List. Body and Chassis numbers used by both locos are numbered in the 707000 series.

TRUCK Removal & Reinstallation

Trucks are removed as described in the RS-3 Manual. They should not be disassembled beyond the stage shown in FIG. A. The transmission gears cannot be removed from the factory welded Gearcase Assembly 708302 except by spreading its sides and risking permanent damage.

If truck disassembly is deemed necessary proceed as follows:

Remove Axle Retainer 708303 by using a jeweler's screwdriver or modeler's knife to release the **LATCHES** located nearest the axle retainer ends (See FIG. A). Latches located inboard of the outer **LATCHES** are non-functional and can be ignored. Removing the 708303 Axle Retainer will permit easy removal of the truck sideframes, wheelsets and wheelwipers.

Reinstalling new or repaired trucks requires that the 707304 Worm Cover be removed from top of gearcase. Note that removal of Cover 707304 will expose the worm shaft elements which are best lifted out to avoid their loss while handling the truck while Cover 707304 is off.

After repositioning truck within the mainframe casting the wormshaft and bearings can be reinstalled and the Worm Cover 707304 snapped back into place.

WIRING The Truck

Replacement Truck Assembly 708300 is not provided with Wires 707313 or Wire Retainers 707314 as shown in FIG. B. These items must be purchased separately. They can be installed without major truck disassembly as follows:

a) Remove one truck sideframe by tugging firmly, but carefully, at either end to release internal latch. Repeat for opposite end.

b) Lift off Wheelwiper 708309 or 708310. Attach Wire 707313 to lug on wheelwiper then secure wire by pressing on 707314 Wire Retainer.

c) Place wired wiper over axle ends then snap truck sideframe back into place.

d) Repeat above for opposite side.

Note that wheelwipers are numbered in FIG. A and in the Parts List as 708309LH and 708310RH. Actually the wipers are alike and can be used on either side.

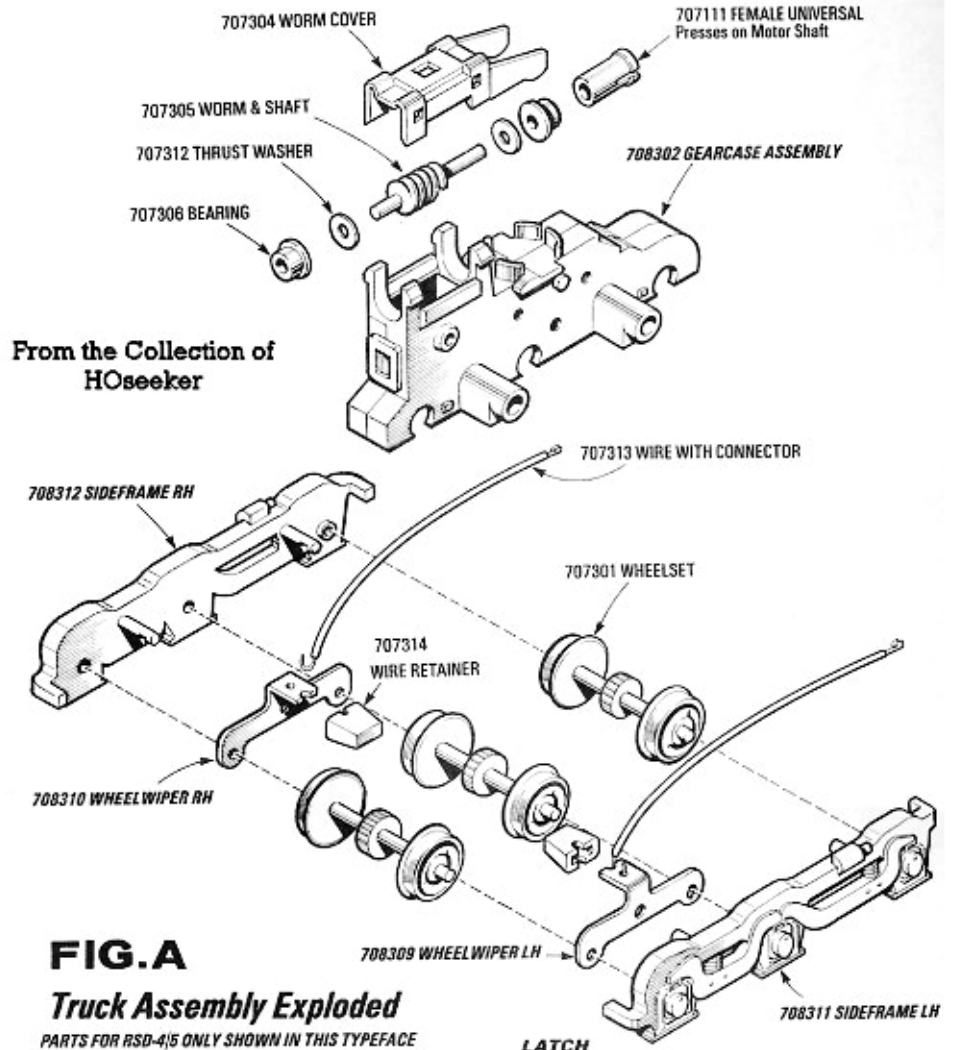


FIG. A

Truck Assembly Exploded

PARTS FOR RSD-4/5 ONLY SHOWN IN THIS TYPEFACE

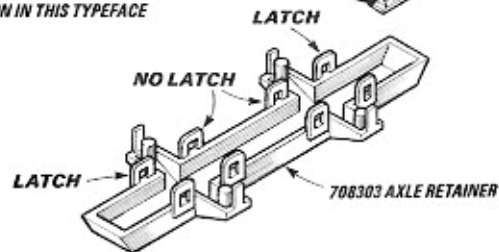
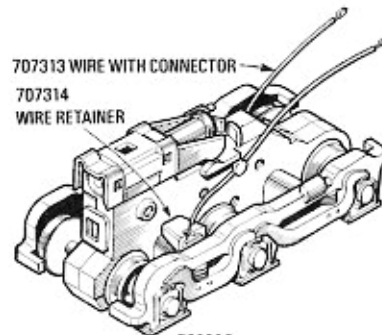


FIG. B



Truck Assembly