

PARTS LIST

PROTO 2000
HO F3A LOCOMOTIVE
with Sound & DCC
PARTSLIST

PART#	KEY #	DESCRIPTION
922-581800	1A	F3A body shell w/dynamic brakes, w/o steam generator & all detail parts *
922-581801	1B	F3A body shell w/dynamic brakes, w/steam generator & all detail parts *
922-581802	1C	F3A body shell w/o dynamic brakes, w/steam generator & all detail parts *
922-581803	1D	F3A body shell w/o dynamic brakes, w/o steam generator & all detail parts *
N/A	*	All windows & lenses, pilots, handrails, grabirons & ladder stand-offs, horns, antennas, etched grilles, and other external and cab interior parts (enough to fully detail the body)
922-581610	2	F7A frame, A-frame & screws (sound version)
922-581599	3B	F7A/B large & small PCB w/wires & screws (sound version) without QSI chip
922-581600	4C	F7A LEDs & holder and screws (for w/o mars light) (sound version)
922-581601	4D	F7A PCB w/LEDs, holder & screws (for w/mars light) (sound version)
922-581576	5	F7A/B universal joints & worm cover (1 set — enough for one loco)
922-581579	6B	F7A/B motor w/single flywheel, motor mounts, screws, & universal sockets (for version w/sound)
922-581580	7	F7A/B fuel tank (2 styles), hanger brackets, pipes & screws
922-581581	8A	Proto Max couplers, complete (1 short shank & 1 standard shank)
922-581583	9	Blomberg truck w/gears, worm cover, sideframes & all sideframe details (1 - assembled)
922-581584	10	Blomberg sideframe set and all sideframe details (enough for 2 trucks)
922-581585	11	Geared wheel set (40 in. scale wheels, helical gear & bearings) (4)
922-581602	12	F7A/B twin speakers w/wires & screws
N/A	13	Sound chip (Contact Walthers at the phone number below with the printed information from the label on the chip to obtain information)

F3A-Unit
Locomotive
(with Sound & DCC)



From Walthers

CONGRATULATIONS!

You have just purchased one of a series of the finest running, most detailed model locomotives available today. It is equipped with a diecast chassis and a totally redesigned state of the art drive system that is second to none. Your new **PROTO 2000** HO Scale **F3A** diesel locomotive has been carefully hand-assembled and tested before leaving our modern factory. Additionally, it has been engineered to provide virtually trouble-free service and operation.

REMOVAL INSTRUCTIONS

- Carefully remove the locomotive from its protective foam packaging.
- Remove the end protectors by unscrewing the phillips head screws on the bottom of the chassis at each end.
- Using the screws you just removed, align the couplers and coupler boxes as shown in the exploded view and tighten the screws to the chassis
- **Important:** Retain this package and all packing materials in case you need to ship locomotive for servicing.

TO ORDER REPLACEMENT PARTS:

1. Identify parts in drawings on exploded views of chassis and body pages.
2. Locate part number above.
3. Contact Walthers at 1-800-487-2467 to place your order.

Break-In. To break-in your F3A, operate it at varying speeds, starting and stopping it frequently while running it in both forward and reverse for an hour or so. This will allow the motor brushes to “seat” and adjust to ensure improved operation for the life of your locomotive.

LUBRICATION AND CLEANING

Frequency

As with any precision mechanical equipment, occasional lubrication and maintenance is required for optimum performance. PROTO 2000 locomotives, with their precision-engineered reduction gears, motor and chassis need only occasional, careful lubrication and cleaning.

- Models used infrequently or not at all should not be lubricated more often than once a year. Excessive amounts of lubricant can migrate to the driver tires and cause reduced tractive force and grime on rail heads.
- Models which are run often and pull long consists on grades should be inspected and lubricated every two or three months.

Instructions

Bearing Areas. A small patch of cloth held with tweezers should be used to clean bearing areas before lubrication. With the model upside down, place a drop of light oil at each wheel bearing. *Do not over lubricate.*

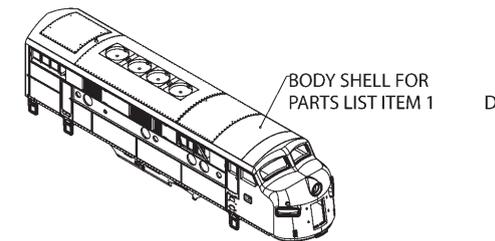
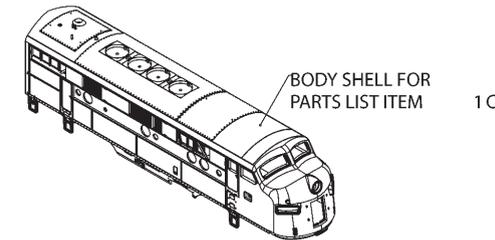
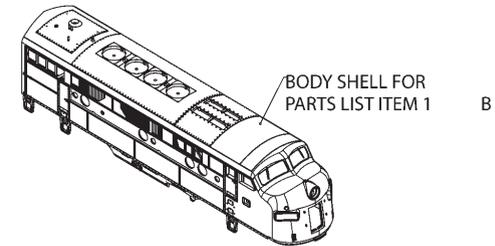
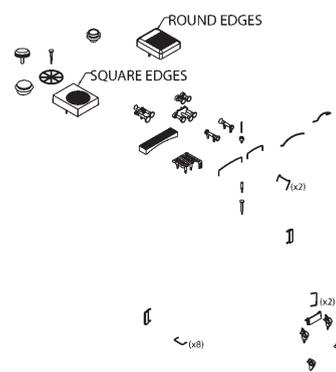
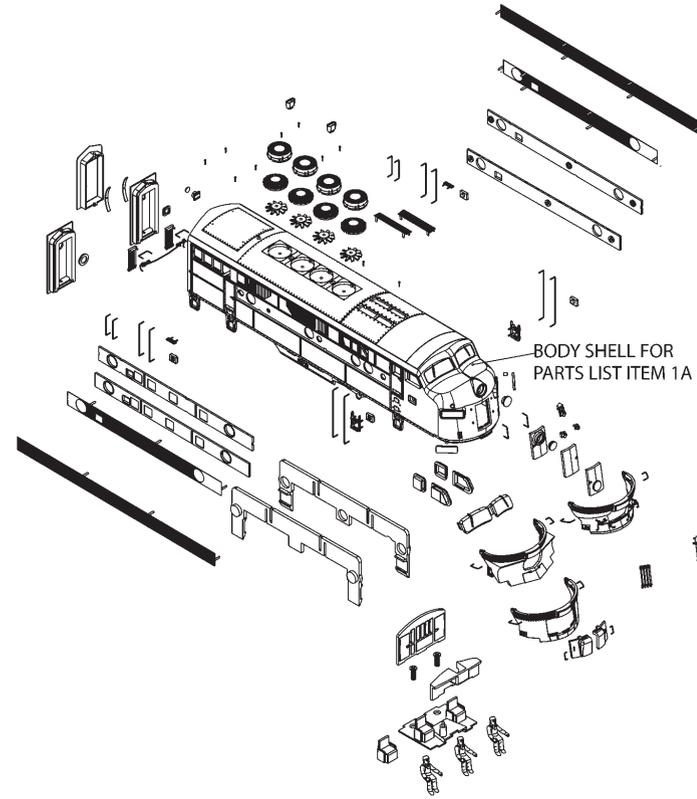
Worm Gears. By extracting the body shell and metal chassis weights the snap-on covers over the drive worms can be removed. Light grease should be applied to the worm gear with a toothpick.

Idler Gears. A drop or two of light oil can also be applied to the plastic idler gears below the worm gear. As they are made from slippery plastic, the gears require little maintenance.

DYNAMIC BRAKE SOUND

Your A-unit comes with all sounds activated, including the dynamic brake sound. We have provided this as a choice for modelers who like the sound of dynamic brake operation, even if their model does not come equipped with that feature.

You may choose to reduce the volume or to mute (turn off) this sound if the prototype for your model does not have dynamic brakes. Check the Operations manual for instructions.



FOR WARRANTY INFORMATION AND ASSISTANCE CALL TOLL-FREE: 1-866-833-1468

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