In the spring of 1941 UP locomotive designers began working on a locomotive to team up with the new 4-8-8-4 Big Boy’s then under construction at Alco. The Big Boy’s were designed to pull heavy freights up the Wasatch Range in Utah to the division point at Green River, WY. What was needed was a locomotive to take over at that point that could speed the freights eastward across the Wyoming Division. Building on their experience with the original CSA 4-6-6-4 Challengers UP and Alco’s designers developed a newer and better Challenger type locomotive. The result was a group of 65 4-6-6-4 Challenger built in three separate groups during World War II.

ROAD NUMBER SPECIFIC FEATURES:
- **#3985** Modern Excursion version, Oil Burner, Era 1980’s - 2000’s
- **#3933** Coal Burner, Dual smoke stack, Tender bunker coal extensions, Era 1940’s - 1959
- **#3967** Coal Burner, Dual smoke stack, Smoke Lifters, Era 1940’s - 1959
- **#3997** Coal Burner, Dual smoke stack, Tender bunker coal extensions, Era 1940’s - 1959

**ADDED FEATURES AND UPGRADES, INCLUDING TSUNAMI2**

**Union Pacific**

- **UP #3985**
  - **ATHG97971** without Sound
  - **ATHG98971** with Sound

- **UP #3933**
  - **ATHG97972** without Sound
  - **ATHG98972** with Sound

- **UP #3967**
  - **ATHG97973** without Sound
  - **ATHG98973** with Sound

- **UP #3997**
  - **ATHG97975** without Sound
  - **ATHG98975** with Sound

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**$669.99 w/o SOUND | $769.99 w/ Tsunami2 SOUND**

* These items are subject to Horizon’s MAP policy*
GENESIS HO 4-6-6-4 Challenger Steam Locomotive

**Union Pacific**

- **UP #3976**
- **without Sound**: ATHG97974
- **with Sound**: ATHG98974

UP painted several of their Challengers in their two-tone grey paint scheme for passenger service. They also added smoke lifters and converted many to oil burners as well.

**ROAD NUMBER SPECIFIC FEATURES:**
- **#3976**: Two-tone grey w/ yellow lettering and striping. Oil burner, Dual smoke stack. Era: Late 1940's - Mid-1950's.

**Denver & Rio Grande Western**

- **DRGW #3803**
- **without Sound**: ATHG97976
- **with Sound**: ATHG98976

During the World War II industrial production was overseen and regulated by the Federal War Production Board. When the UP placed their 2nd Challenger order with Alco in 1943 the WPB stepped in and had 5 of the locomotives built for the Denver & Rio Grande Western RR to help fulfill their need for additional motive power to haul wartime traffic. These 5 locomotives were built to UP's specifications.

**ROAD NUMBER SPECIFIC FEATURES:**

$669.99 w/o SOUND | $769.99 w/ Tsunami2 SOUND

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*Union Pacific Licensed Product*
GENESIS HO 4-6-6-4 Challenger Steam Locomotive

Announced 08.27.21
Orders Due: 09.24.21
ETA: October 2022

STEAM LOCOMOTIVE FEATURES:
• Illuminated number boards and headlights
• Headlight turns off in reverse
• Illuminated directional back-up light in the tender
• Correctly operating eccentric cranks
• Adjustable top cab vent and cab windows
• Pivoting front and rear engines for negotiating 18” radius curves
• Current pick-up on all driver and wheels
• Boiler backhead with full details and printed gauges
• Synchronized chuff, whistle, bell, blow-down, air compressor, dyno and pop-off valve sounds
• User-controlled whistle, short whistle, bell, squeal, coupler crash, injector, water stop and light dimmer
• Individually-applied detail parts, including brass-painted bell and whistle, piping, valves, generator, steps, air pump, air tanks, reverser and coupler lift bar
• Front coupler pocket can be inserted to mount operating coupler
• Minimum recommended radius: 22”

NEW FEATURES:
• Dual cube speakers for great sound quality
• Lighted firebox flicker effect with see-through firebox door
• Upgraded headlight lighting with brighter LED
• Improved loco-to-tender connection harness for increased durability and serviceability

SOUND EQUIPPED MODELS ALSO FEATURE
• Tender-mounted DCC decoder with SoundTraxx Tsunami2 sound
• Sound units operate in both DC and DCC
• Full DCC functions available when operated in DCC mode
• Engine, whistle, and bell sounds work in DC
• All functions NMRA compatible in DCC mode
• Excellent Slow speed control
• Many functions can be altered via Configuration Value (CV) changes
• CV chart included in the box

PROTOTYPE SPECIFIC INFORMATION
The name “Challenger” was given to steam locomotives with a 4-6-6-4 wheel arrangement. This means that they have four wheels in the leading pilot truck, which helps guide the locomotive into curves, two sets of six driving wheels, and finally four trailing wheels, which support the rear of the engine and its massive firebox. Each set of six driving wheels is driven by two steam cylinders. In essence, the result is two engines under one boiler. The Union Pacific Railroad sponsored development of this type to meet the need for higher speeds in main-line service. Historically, articulated locomotives had been limited to slow speeds by factors inherent in their design. The technical breakthroughs achieved with the Big Boy enabled the carrier to develop a newer, improved Challenger that met their speed expectations.

Though originally intended for freight service, many Challengers were used in passenger service.

$669.99 w/o SOUND | $769.99 w/ Tsunami2 SOUND

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