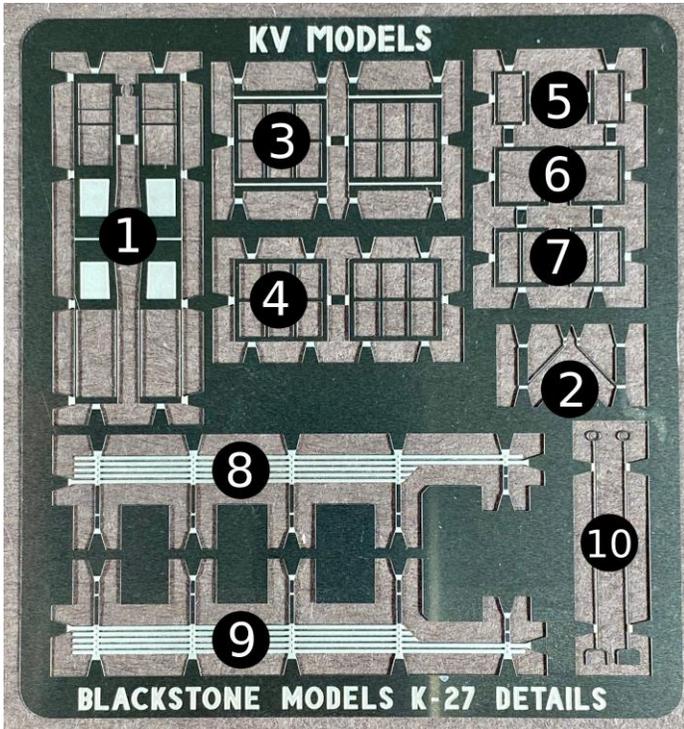
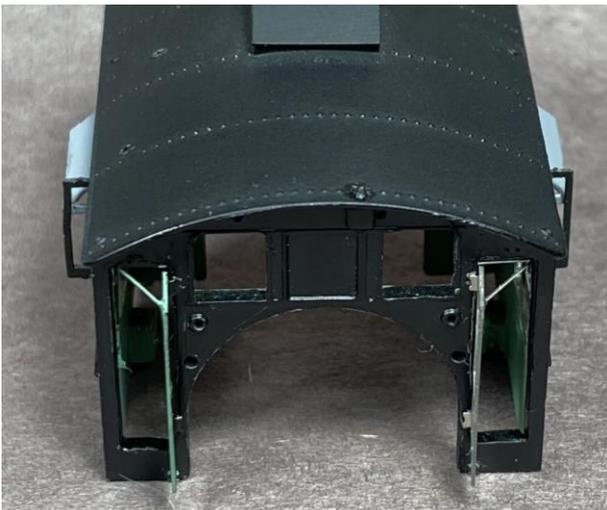
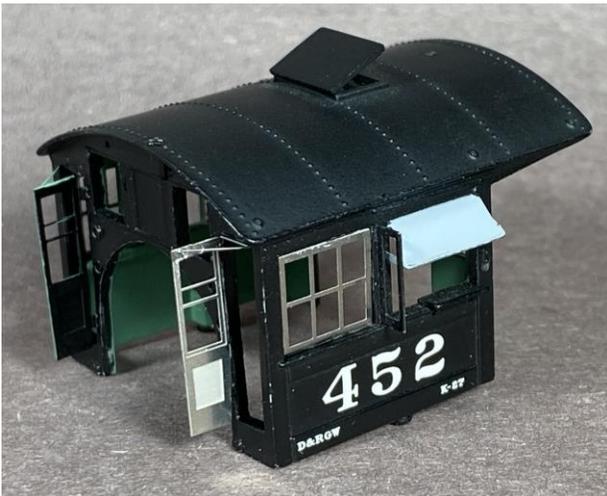


KV-5001H Blackstone Models K-27 Detail Set Guide



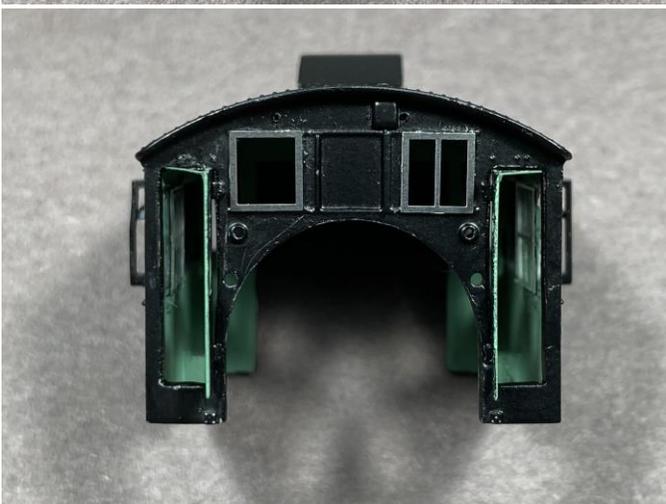
1. Cab Doors
2. Cab Door Locking Bar
3. Cab Window (Outer Pane)
4. Cab Window (Inner Pane)
5. Cab Window - Front (Style 1)
6. Cab Window - Front (Style 2)
7. Cab Window - Front (Style 3)
8. Tender Coal Bunker Boards (Fireman Side)
9. Tender Coal Bunker Boards (Engineer Side)
10. Steam tools – Coal and Ash Rakes



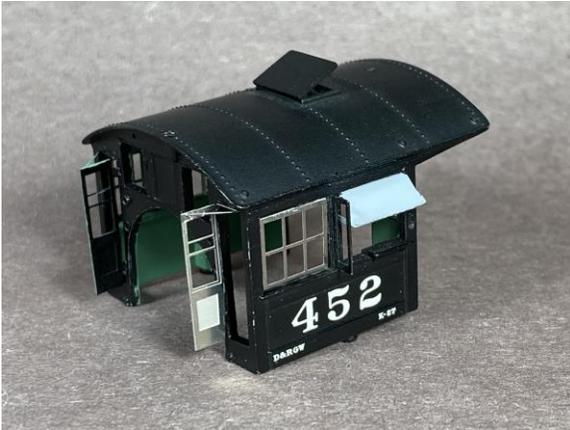
Installing the cab doors (1) requires removal of the cab from the locomotive. Remove all cab glass and rooftop details. The cab is cast metal and will require cutting with a Dremel Moto Tool with cutting wheel. I cut the material of the door a safe distance away from the door edge and then used a file to remove the material near the edge. The door folds against itself on the fold line located across the bottom of the door. A bending jig is helpful here. CA can be used sparingly on the inside of the fold of the door to hold the halves together. The door hinges are folded perpendicular to the door and will be used to mount the door to the cab with CA. The door locking bar (2) mounts to the top of the door frame. The rectangular section can be glued to the top of the door frame using CA. The bar is attached to the top corner of the door with CA. I would suggest painting the door prior to installing the door window glazing.



Installing the cab door window glazing can be tricky since there is only a small lip around the edge of the door frame for attachment. While this is tricky it gives the window a much better appearance since there is no large overlap of the glazing on the inside of the door. I cut a piece of .005" clear styrene to the shape of the window and used canopy glue to attach the glazing to the door. A small bead around the perimeter of the clear styrene is all that is needed. You may have noticed that the door on the Fireman's side has a small opened panel of glazing. This can be done by cutting the clear styrene panel into 3 pieces and attaching them separately. This just adds more realism to the model.



The cab front windows are parts 5,6 and 7 on the etched fret. There are 3 different styles represented here. The lower photo shows styles 6 and 7 while the upper photo shows style 5 (which is what I installed in the model). Styles 6 and 7 are attached to the outer face of the model and require no cutting, filing or alteration to the model to attach. A thin bead of CA around the inside edge of the frame is all that is needed to attach the frame to the face of the model. Paint the frame then install a small rectangle of .005" clear styrene with canopy glue. If you decide to install style 5 then you fold the long edge of the window frame perpendicular to the frame and attach that to the inside edge of the window frame. These are meant to fit within the opening unlike style 6 and 7. Use CA to attach the frames to the inside edge of the window. Paint the frame and then attach a piece of .005" clear styrene inside the window.



Installing the cab windows requires filing the opening of the cab side windows slightly. The fit is meant to be tight so that no gap above and below the outer window pane is visible. The outer side window pane (3) has a top and bottom piece that is folded perpendicular to the window pane. These will rest on the ledge of the cabs window opening. There are small numbs on the outer edge of both resting strips that are then folded perpendicular to the ledge. These tabs help locate the window in the opening for an even appearance. Do not panic if the nubs break off while bending the strips. They are not vital to the installation of the window frames. Once the frames are installed in the window opening CA can be used to secure them. I highly recommend painting the inside of the cab and the window panes prior to installing the clear glazing and the inner sliding window pane (4). The inner sliding window pane can be installed in any position. If you are including a crew then the window would be opened almost all of the way. I like to keep the inner and outer panes with the mullions/muntins misaligned. This makes the inner pane more visible. I paint and attach the clear glazing to the inner window pane prior to installing it on the model. I used canopy glue to attach the inner window pane to the inside of the model.

The tender coal bunker boards (8&9) installation requires cutting of the top of the tenders cast coal boards. I did this with the Dremel Moto tool and cutting wheel in the same manner as the removal of the cab doors. Once I have a smooth flat edge to attach the coal boards to I fold the vertical support strips down over the coal boards and bend the mounting foot perpendicular to the support strips. I add a little bead of CA to the inside of the support strips to keep them attached to the bunker boards. I put a small dot of CA on the bottom of the mounting feet and attach the boards to the cut surface of the model. I recommend painting the boards prior to adding the coal load but this was not done in the photo for demonstrative purposes.



The last part to be attached is the steam tools (10). The rakes would normally be found somewhere on the tender, most likely across the front edge bridging the gap over the coal access door. I like to leave them partially in the coal bunker since that makes them more visible. The rakes ends are bent perpendicular to the rake shaft. KV Models does have other HO scale steam tools available in addition to these two styles.

Installing the coal in the bunker was done by covering the metal coal load with canopy glue and sprinkling crushed coal into the canopy glue. The glue dries clear and with a sheen so if any is exposed it will be impossible to see because of the sheen of the coal. I also like to attach some coal to the tender deck behind the bunker and on the front of the tender where the access door is. Once the canopy glue has set up a bit I turn the tender over and knock off the loose coal. If I need to add more I repeat the canopy glue process and reapply.

