

# **BN4 Restoration Videos on YouTube**

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**Read the Q and A in the comments section of each video! While this is geared towards the BN4 most of it will apply to other models.**

**Part 1      “Before” video. Inspection and starting to take apart.**

**5 minutes, 47 seconds.**

**<https://www.youtube.com/watch?v=VqMUpBA7x68>**

**Part 2      Review of chassis to determine work to be done.**

**Chassis up on a rotisserie and stripping the chassis.**

**5 minutes, 2 seconds.**

**<https://www.youtube.com/watch?v=gM9ofYaxgDs>**

**Part 3      New Panels, repair and replacement of damaged  
frame/chassis pieces. Getting ready to paint.**

**7 minutes, 11 seconds.**

**<https://www.youtube.com/watch?v=3u1JFnqOmfc>**

**Part 4      Shell painted and installation of insulation, wiring, heater,  
rear end, firewall components, boot floor, front suspension,  
etc.**

**7 minutes, 15 seconds.**

**<https://www.youtube.com/watch?v=6rGWRvlgWPM>**

**Part 5 Rebuilding the gearbox and overdrive**

**7 minutes, 39 seconds.**

**<https://www.youtube.com/watch?v=NfQEjHNWLzk>**

**Part 6 Rebuilding the engine. Disassembled inspection. Front end finished. Heater ducts installed. Gear box painted.**

**7 minutes, 18 seconds.**

**<https://www.youtube.com/watch?v=qUYIcROGDk>**

**Part 7 Rebuilding the engine, continued. Pistons, rods, crankshaft cam shaft installation. Timing chain installed. Engine painted. Distributor installed.**

**10 minutes, 29 seconds.**

**<https://www.youtube.com/watch?v=T0Glc9HI3QI>**

**Part 8 Completing the engine work, finishing the head, block in, head installed, carbs, starter motor and generator installed.**

**10 minutes, 45 seconds.**

**[https://www.youtube.com/watch?v=jUy\\_I07pyfk](https://www.youtube.com/watch?v=jUy_I07pyfk)**

**Part 9 Front and rear shroud work. Stripping the car with paint stripper and knocking out dents.**

**14 minutes, 0 seconds.**

**<https://www.youtube.com/watch?v=ublu-48Ghlg>**

**Part 10** Continuing with the shrouds. After stripping they are put back on the car to make sure that everything lines up properly before painting.

**4 minutes, 28 seconds.**

[https://www.youtube.com/watch?v=tEfi\\_Swary4](https://www.youtube.com/watch?v=tEfi_Swary4)

**Part 11** Front and rear shrouds primer coat.

**7 minutes, 8 seconds.**

<https://www.youtube.com/watch?v=BW-KnU-hezY>

**Part 12** Finish painting the Shrouds. Attach accelerator linkage and heater pipes and other miscellaneous engine bay components.

**10 minutes, 31 seconds.**

<https://www.youtube.com/watch?v=zHDjbnnScio>

**Part 13** Fitting the grill on the front shroud and fitting the rear shroud. Home made tool for fitting solid rivets instead of pop rivets.

**7 minutes, 2 seconds.**

<https://www.youtube.com/watch?v=eS9ejQtZEk4>

**Part 14**     **Final fitting of the front shrouds. Installation of brake lines and master cylinder. Brackets for the intake manifold drain pipes. Adjustment of engine mounts. Exhaust system installed.**

**9 minutes, 47 seconds.**

**<https://www.youtube.com/watch?v=MQxOnRzncsM>**

**Part 15**     **Inspection and repair of the bonnet and boot lid. Attempted repair of a temperature gauge.**

**14 minutes, 4 seconds.**

**<https://www.youtube.com/watch?v=Z3GPn4rN9Nw>**

**Part 16**     **Attempted repair of a temperature gauge continued unsuccessfully and sent out to professionals for repair. Radiator re-cored by professionals. Bonnet and boot lid primer coat. Radiator painted. Fan installed.**

**Repair of the rear mudguard (fender) doglegs.**

**11 minutes, 43 seconds.**

**<https://www.youtube.com/watch?v=2xENhIMgZW4>**

**Part 17**     **Door check straps and gear box cover repair.**

**11 minutes, 36 seconds.**

**<https://www.youtube.com/watch?v=X7nvgxPRtK4>**

**Part 18**     **Making a rear axle hub nut socket and small progress.**  
**Repair of firewall transmission tunnel housing. Valve gaps set per specifications. Plug wires installed. Radiator and top water hose installed. Fuel pump installed. Rubber “bumpers” on shroud for bonnet lid installed. Fuel lines installed.**

**8 minutes, 31 seconds.**

**<https://www.youtube.com/watch?v=fuspgvfokTY>**

**Part 19**     **Progress on the Healey body. Bonnet fitted and badges, etc. installed. Handbrake and linkage to the rear installed.**  
**Boot lid and badge installed. Windscreen washer nozzles installed.**

**12 minutes, 41 seconds.**

**<https://www.youtube.com/watch?v=2tqurkb-UFI>**

**Part 20**     **Repair work on the front Guards (Fenders or Wings to those not from OZ.)**

**10 minutes, 51 seconds.**

**<https://www.youtube.com/watch?v=q-Z7cXWH-ME>**

**Part 21**     **Work begins on the doors.**

**13 minutes, 55 seconds.**

**<https://www.youtube.com/watch?v=FOCnCkhJxOQ>**

- Part 22**     **The work continues on the doors.**  
**12 minutes, 34 seconds.**  
<https://www.youtube.com/watch?v=1mgCbuA18t8>
- Part 23**     **More work on the doors. Starting to work on the dash.**  
**9 minutes, 17 seconds.**  
<https://www.youtube.com/watch?v=BQhLTIJqXtc>
- Part 24**     **Re-covering the dash pad top. Covering the dash itself.**  
**8 minutes, 6 seconds.**  
<https://www.youtube.com/watch?v=prXIR7bF4XE>
- Part 25**     **Re-covering the dash panel, continued with the start of  
the installation of dash components.**  
**9 minutes, 20 seconds.**  
<https://www.youtube.com/watch?v=Je6QFfviASs>
- Part 26**     **Instruments installed in dash and the dash and dash top  
installed. Installation of bottom radiator hose. Testing  
electrical components and the running of  
the engine.**  
**12 minutes, 17 seconds.**  
<https://www.youtube.com/watch?v=ACgox-8pQI4>
- Part 27**     **Problems with the head.**  
**4 minutes, 29 seconds.**  
[https://www.youtube.com/watch?v=jDDGg9nl\\_ws](https://www.youtube.com/watch?v=jDDGg9nl_ws)

**Part 28**    **A fix on the engine**

**6 minutes, 5 seconds.**

<https://www.youtube.com/watch?v=UPIHzIEpXYI>

**Part 29**    **Front and rear wings (mudguards, fenders) and doors fitted to the body to check their fit prior to painting. Fiddling with the Overdrive settings.**

**9 minutes, 47 seconds.**

<https://www.youtube.com/watch?v=BEZRFxaDxLo>

**Part 30**    **Progress on the Body. Wings and doors primed and trial fitted again.**

**4 minutes, 32 seconds.**

<https://www.youtube.com/watch?v=kx1BEfF1BKs>

**Part 31**    **A discussion about interior trim panels.**

**10 minutes, 17 seconds.**

<https://www.youtube.com/watch?v=LpM4tIKQEQc>

**Part 32**    **Fabricating interior trim panels.**

**9 minutes, 32 seconds.**

<https://www.youtube.com/watch?v=I2WXujjvaDc>

**Part 33**    **Yet more discussion on door panels and a little drink**

**4 minutes, 59 seconds.**

<https://www.youtube.com/watch?v=BnhRRdd-mj8>

**Part 34**     **Feeling particularly pleased. Installation of floor insulation. Gear box surround painted. Interior trim pieces, except for door panels installed. Transmission cover installed. Parcel tray covered and installed. Fabrication of seat pans.**

**A discussion on step bits.**

**12 minutes, 45 seconds.**

**<https://www.youtube.com/watch?v=gHRxkveAAzo>**

**Part 35**     **Bits of progress. Seat pans painted. Seat runners installed. Boot lining installed.**

**9 minutes, 44 seconds.**

**[https://www.youtube.com/watch?v=-9GV\\_geq7CU](https://www.youtube.com/watch?v=-9GV_geq7CU)**

**Part 36**     **Transmission tunnel, carpet arrives and laid out for a trial fit. Steering wheel repair.**

**12 minutes, 27 seconds.**

**<https://www.youtube.com/watch?v=zj65QE2mBpQ>**

**Part 37**     **Starting to fit the carpet. Transmission tunnel firewall piece. Jump seats. Rear carpeting finished. Battery cut-off switch installed.**

**11 minutes, 6 seconds.**

**<https://www.youtube.com/watch?v=Z56LuNHE7hA>**

**Part 38**     **Steering wheel repairs, continued. Carpeting the transmission tunnel and installing the carpet snaps. Front cockpit carpeting installed.**

**14 minutes, 22 seconds.**

**<https://www.youtube.com/watch?v=a4Th0wII9f0>**

**Part 39**     **Body panels and doors painted. Fender beading repaired and installed.**

**5 minutes, 33 seconds.**

**<https://www.youtube.com/watch?v=hWrb-CAqRtg>**

**Part 40**     **Fitting the front guards (fenders – wings)**

**6 minutes, 10 seconds.**

**<https://www.youtube.com/watch?v=NyPU7EYRSJ0>**

**Part 41**     **Progress on the doors and rear guard**

**6 minutes, 50 seconds.**

**<https://www.youtube.com/watch?v=GcQsaCIRlic>**

**Part 42**     **Fitting doors and adjusting the curvature of the panels to match. Door latches, striker plates and hardware installed. Body trim for door openings installed.**

**10 minutes, 6 seconds.**

**<https://www.youtube.com/watch?v=4hAPDY3EVYU>**

**Part 43**     **A discussion on Overdrives. Fabrication of an accumulator housing removal tool.**

**7 minutes, 21 seconds.**

[https://www.youtube.com/watch?v=l1j25qzg\\_vc](https://www.youtube.com/watch?v=l1j25qzg_vc)

**Part 44**     **Fitting a scuttle seal.**

**6 minutes 4 seconds.**

[https://www.youtube.com/watch?v=\\_a8sTu9K4m8](https://www.youtube.com/watch?v=_a8sTu9K4m8)

**Part 45**     **Odds and ends to finish the job. Dismantling and replating the windscreen frame. Cockpit surrounds refinished and installed. More work on the steering wheel. Back seat schwab fabricated. Internal door panels fitted. Miscellaneous electronics checked out. Windscreen stanchions painted.**

**Windscreen ready to be fitted to frame.**

**10 minutes, 36 seconds.**

<https://www.youtube.com/watch?v=FOb3kli6uAs>

**Part 46**     **This part covers the installation of the windscreen glass into its frame, installing it onto the stanchions and securing the assembly to the body.**

**14 minutes, 46 seconds.**

**<https://www.youtube.com/watch?v=mwj3uZkPQjQ>**

**Part 47**     **First drive! But, brake problems to be diagnosed and fixed.**

**3 minutes, 56 seconds.**

**[https://www.youtube.com/watch?v=Z\\_OL-1YOgdc](https://www.youtube.com/watch?v=Z_OL-1YOgdc)**

**Part 48**     **Starting to recover the seats.**

**8 minutes, 1 second.**

**[https://www.youtube.com/watch?v=59x\\_ic-n06Q](https://www.youtube.com/watch?v=59x_ic-n06Q)**

**Part 49**     **Recovering the seats, continued.**

**14 minutes, 9 seconds.**

**<https://www.youtube.com/watch?v=OyhmrqMPGTE>**

**Part 50**     **Rear seat Schwab**

**10 minutes, 6 seconds.**

**<https://www.youtube.com/watch?v=tv72ozU5bMg>**

**Part 51     Truing a wheel.**

**7 minutes 48 seconds.**

**<https://www.youtube.com/watch?v=ndOn6WKMtEQ>**

**Part 52     Trimming the rear seat back and driving to a new garage.**

**13 minutes 4 seconds.**

**[https://www.youtube.com/watch?v=-z\\_X6GU9eYk](https://www.youtube.com/watch?v=-z_X6GU9eYk)**

**Part 53     Trimming the rear seat pans.**

**9 minutes 35 seconds.**

**<https://www.youtube.com/watch?v=mbpuNFXGuuo>**

**Part 54     Adjusting the toe-in. Home made tool to do it.**

**5 minutes 35 seconds.**

**<https://www.youtube.com/watch?v=xsPWO7uEs2c>**

**Part 55     A brief discussion on overdrive and brake issues to be solved.**

**5 minutes 29 seconds,**

**<https://www.youtube.com/watch?v=FIHdXxbmaAU>**

**Part 56**     **A discussion on Tonneau covers.**

**7 minutes 22 seconds.**

**<https://www.youtube.com/watch?v=hIXeRijGen0>**

**Part 57**     **A discussion on the installation of an electrical-mechanical  
brake light switch mounted on the brake pedal. Front and  
rear bumpers as well as splash apron fitted. New side  
screens.**

**8 minutes 2 seconds.**

**<https://www.youtube.com/watch?v=SUFpWxQKWA8>**

**Part 58**     **First drive! Checking out all systems.**

**13 minutes 31 seconds.**

**<https://www.youtube.com/watch?v=RmtsUQ6Elm4>**