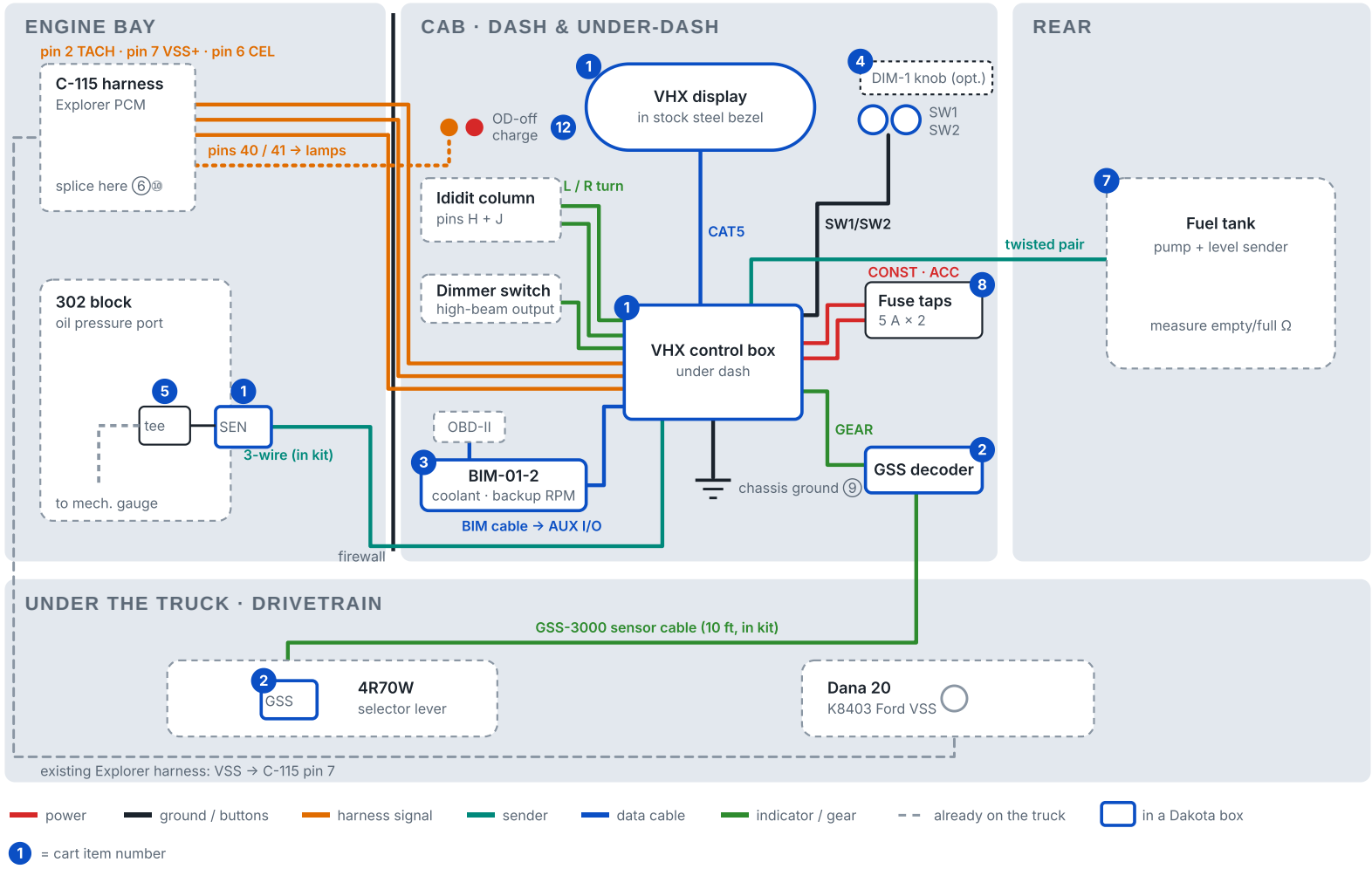
1974 BRONCO · 1999 EXPLORER 5.0 / 4R70W · DAKOTA DIGITAL VHX

Bronco VHX Install Kit

Where every part goes, then what to buy. Numbers on the map match the numbers in the cart.



Everything lands on the VHX control box under the dash. Tach, VSS and check engine come from your existing C-115 wires; the oil sender, gear sender and BIM are new. Scroll sideways on a phone.

Parts cart

Tick items as you buy them; ticks are saved in this browser only. Dakota prices are from dakotadigital.com; the VHX price is from Bronco Graveyard and H&H Classic. Local-store links are searches, not specific products.

DAKOTA DIGITAL — REQUIRED

1 **VHX gauge system, 1966–77 Bronco**
`VHX-66F-BRO-(face)-(lighting), e.g. -K-R`
Display, control box, CAT5, oil + water senders, bushings, Ford speed sender, SW1/SW2 buttons. Needs your stock steel bezel.
$945.25–995.95
Bronco Graveyard | H&H Classic | Dakota specs

2 **Universal gear shift sender**
`GSS-3000`
PRNDL on the dash. Sensor on the 4R70W selector, decoder in the cab, 1-wire to GEAR.
$150.00
Dakota Digital

3 **OBD-II / CAN interface**
`BIM-01-2`
Plugs into the OBD-II port. Coolant temp with no extra sender, backup RPM, trans temp if the PCM sends it.
$140.00
Dakota Digital

4 **Dash dimmer knob *(optional)***
`DIM-1`
On-the-fly brightness. Skip it and set brightness in the setup menu.
see site
Dakota Digital

LOCAL PARTS STORE

5 **1/8" NPT brass tee**
Shares the oil port between the mechanical gauge and the Dakota sender. Check your port thread first.
Search

6 **18 AWG automotive wire, GXL/TXL, several colors**
Power, ground, dimmer, tach, VSS, check engine, high beam, turn signals, gear.
Search

7 **2-conductor 18 AWG cable**
Fuel sender signal + ground as a twisted pair, long enough to reach the tank.
Search

8 **Fuse taps or inline fuse holders + 5 A fuses (×2)**
One constant hot, one key-on (Dakota, BIM, GSS). Match the tap to your fuse type.
Search

9 **Ring terminals**
Control box ground to the chassis.
Search

10 **Heat-shrink butt splices (or solder + heat shrink)**
Taps at C-115 pins 2, 6, 7 and the Ididit plug.
Search

11 **Split loom + zip ties**
Keep speed and sender wires away from tach and ignition wiring.
Search

12 **12 V panel-mount LED indicators (×2)**
Overdrive-off (pin 40) and charge (pin 41); the VHX has no inputs for these.
Search

ONLY IF NEEDED

13 **Fuel level sender**
`SEN-06-1`
Only if your sender tests bad or the custom curve can't match it.
Dakota Digital

14 **12 V bulb + socket**
Only if the check engine indicator stays on; adds the load the PCM expects.
Search

15 **Pulse generator relocation cable**
130011
Only if you use Dakota's speed sender instead of tapping the VSS. Order through Dakota or a dealer.

ask Dakota

Dakota parts 1–3

$1,235.25–1,285.95

ALREADY ON THE TRUCK

- Stock steel cluster bezel
- K8403 VSS in Dana 20
- Ididit column
- Mechanical oil gauge
- Multimeter + test light