

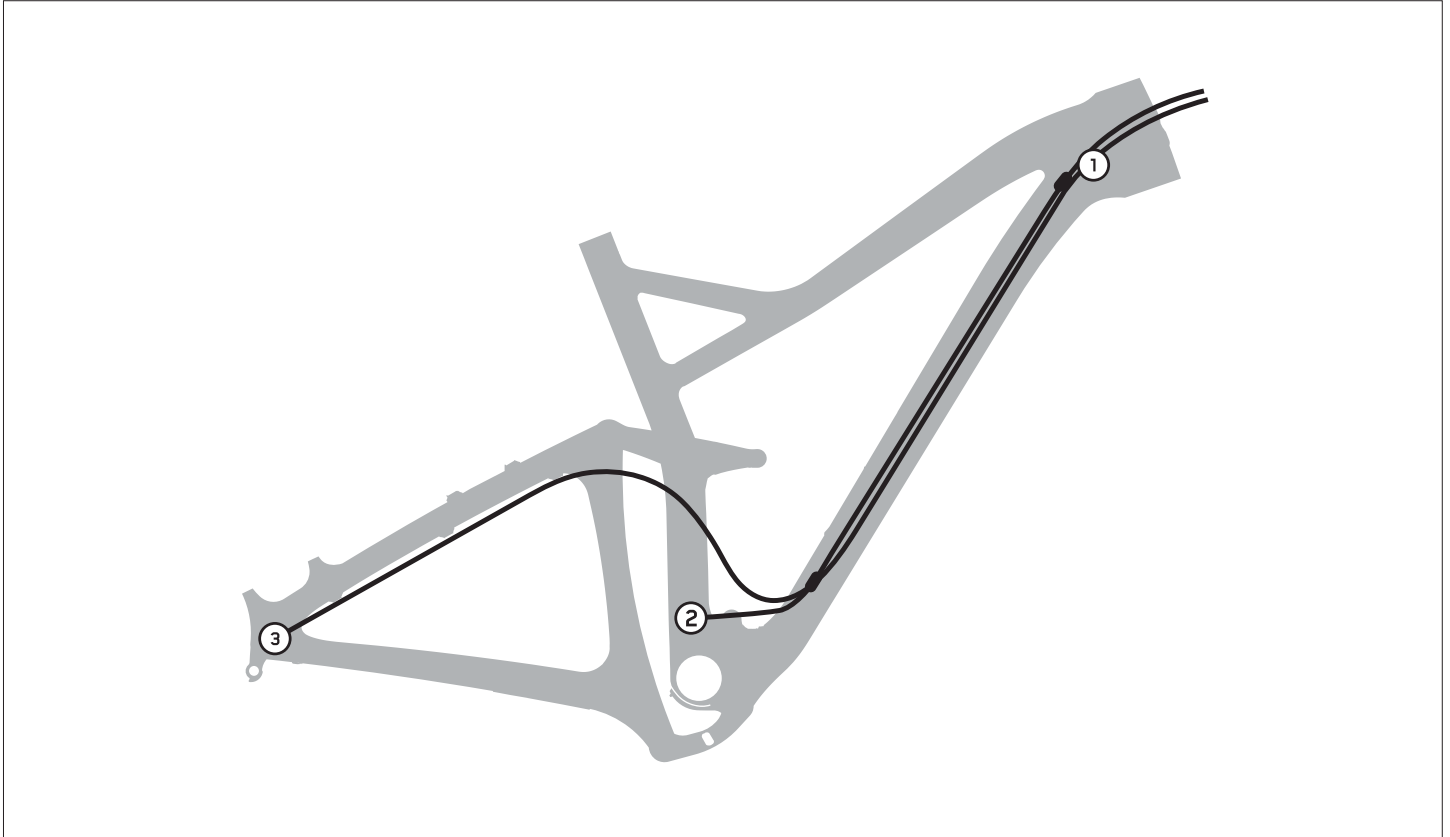


NINER ENCYCLOPEDIA >>

SPECIFICATION & SETUP GUIDE

JET 9 RDO & RIP 9 RDO CABLE ROUTING

DIAGRAM OVERVIEW



①	FRONT & REAR	
②	FRONT (FRONT PULL)	
③	REAR ONLY	



JET 9 RDO & RIP 9 RDO CABLE ROUTING

REQUIRED PARTS

- (2X) SHIFTER CABLE (NOT INCLUDED)
- (2X) 4MM CABLE HOUSING (ENOUGH FOR FRONT AND REAR FULL LENGTH FROM SHIFTER TO DERAILLEUR)
- (4X) 4MM STANDARD HOUSING FERRULE (NOT INCLUDED)
- (2X) UPPER DOWNTUBE DUAL ENTRY PORT GROMMET (INCLUDED)
- (1X) LOWER DOWNTUBE DUAL EXIT PORT GROMMET (INCLUDED)
- (MANY) YOUR FAVORITE BEER (DEFINITELY NOT INCLUDED)



INSTRUCTIONS

1) GETTING READY

Your frame comes with temporary nylon guide tubes installed in the downtube. Do not remove them, but carefully thread the upper end through the upper exit ports on either side of the down tube (F1). Be sure to note the color code on the end of the guide tube and which side of the down tube it is exiting. Typically the front derailleur (JET 9 RDO Only) exits on the right and the rear derailleur exits on the left. Both guide tubes should exit the lower down tube exit port. If you are not using a front derailleur feel free to remove that guide tube now.

2) THREADING DERAILLEUR HOUSING

Insert a shift cable into the guide tube via the lower down tube exit port, up through the down tube, exiting the upper down tube entry port (F1). This shift cable will serve as a guide for the 4mm housing in a few minutes. Remove the guide tube once the shift cable is sticking out of either port on the down tube. Now is good time to install the upper down tube entry port grommets. Poke the shift cable through the membrane on the grommet you wish your 4mm housing to enter and install the grommet into the entry port. Thread the cable into the 4mm housing and push the housing through the hole in the entry grommet you just made with the cable. Lubricating the housing with some windex or soapy water can help the housing slide through the grommet. Continue pushing the housing into the grommet/frame, using the cable as a guide, until the housing exits the lower down tube exit port (F2). You may now pull the cable out of the housing and put it aside until later.

3) CUTTING HOUSING TO LENGTH

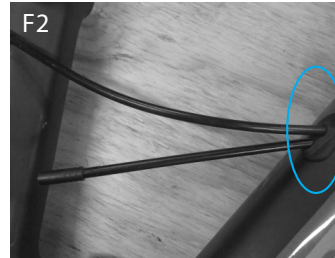
If you are using a front derailleur (JET 9 RDO Only), follow the above instruction to bring that housing through the frame now as well. Thread the rear derailleur housing through the lower down tube exit port grommet (F2), poke the front derailleur housing through the membrane on the grommet and install the grommet into the down tube of the frame. Pull the front derailleur housing to the housing stop of the front pull derailleur, trim to length and install a 4mm ferrule. Pull the rear derailleur housing to the seat stay of the rear triangle ensuring there is a soft bend as it passes the shock. Run the housing down the seat stay to the rear derailleur and cut to length. Install a 4mm ferrule. Back at the front of the bike, bring each section of housing from the upper down tube entry port, around the head tube and to the shifter. Trim to length, ensuring there is enough slack for the bars to turn 180 degrees and install a 4mm ferrule.



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4) THREADING CABLES AND SETUP

Thread the shift cables through the shifter and into the 4mm housing. The cable should exit the housing near the derailleur. Attach the cable to the derailleur and setup the shifting as usual. Fix the rear derailleur housing to the seat stay using zip ties.



5) ELECTRONIC DRIVETRAIN WIRING

Electronic drivetrain wiring is generally very similar with the following points to note.

- Poke a hole in the upper down tube entry port grommet and thread the wire through the grommet before installing the grommet into the frame.
- We've found that the nylon guide tubes plug very nicely into the wire connector and allow you to pull the wire down through the frame. The wires will bypass the lower down tube exit port and connect to junction B under the down tube bash guard.
- Junction B will mount to the bash guard using the included mount and a zip tie (F3). The wires going the rear derailleur and battery will then exit the frame behind the bottom bracket (F4). The battery for the system is stored in the back of the seat tube of the frame after removing the cover. The battery door cover also acts as a wire guide.
- Run the rear derailleur wire to the rear triangle front port, exiting the rear port under the chain stay and connect it to the rear derailleur. Be sure there is enough slack in the wire to allow for full travel.
- The front derailleur wire (JET 9 RDO Only) will exit the lower down tube exit port, through the grommet and connect to the front derailleur (F2).



6) CRACK THAT BEER!

If you haven't already...