H22 Swap Faq's

General Swap Info

Use the accord wiring harness and lengthen/modify the harness to fit the H22.

ECU Wiring For Obd1 ecu's
vtec soleniod: Pin A4
vtec pressure switch: Pin D6
knock sensor: Pin D3
Secondary Intake Soleniod: Pin A17

Use accord axles

Buy a manual for the year prelude your H22 came from, the year of the ecu you have and the car.
ex. 97H22 with p13 obd1 ecu into a 94 accord. Get a 97 prelude helms,
a 93 prelude and a 94 accord helms manual. Goto
~~1. www.helminc.com~~ to get them

Air Conditioning
To keep ac take the bracket off the F22 and put it on the H22 and use the accord compressor

Power Steering
Use the prelude pump and bracket

For 5TH gen Only
Use 92-96 prelude timing belt side mount, keep in mind that you will have to grind it down to fit, and the rest accord mounts

Swap pin A6 with pin A11, the accord is unique from other hondas. those 2 wires control
the o2 sensor heater and egr control soleniod. they are backwards in the accord

The exhaust must be reduced in length and it is reccomended that you get a cat to match the year header you have. (ex. if you have a 94 h22 header get a 94 prelude cat, etc) the 97+
header is different and the cat isnt the same.

To keep the Powersteering you must have a custom line made using the lower 1/2 of the accord line and upper 1/2 of the prelude line OR use a 97 prelude line

For 4TH Gen Only
Use all accord mounts
The exhaust bolts up to 93-96 Prelude header

No pin swaping is required
No changes need to be made for the power steering hose

obd2 engine in a obd1 car
ex. 97+ H22a4 into 90-95 accord
You must get an obd1 ecu, obd1 injectors and obd1 distributor.

obd1 engine into obd2 car (5 Spd Only)
ex. 93 H22a into 97 accord
Get your favorite obd2-obd1 conversion harness, skunk2, hondata, etc
Move the crank angle sensor wires from the crankpully/timing belt area to the distributor.
Repin the distributor connector using the obd1 plug that should have come on the engine, put the 2 wires you just moved into the 2 left over pins on the plug.

Internal/External Coil Issues
If your car came equiped with an internal coil then the jdm h22 distributor will plug right in no problem. However, if your car had external coil then you will have to modify one plug. The plug you will need to modify is the plug that went to the stock coil. There are is a yellow and a yellow/black wire, splice those 2 wire together. The green wire is useless, dont worry about it

What Cap To Use
For JDM internal coil use 00 civic SI or 90-93 accord ex cap and rotor
For USDM internal coil.... DUHH!!! use 93-95 prelude vtec cap

MSD Install
For External Coil equiped cars
Cut the Plug that went to the stock coil off, splice the yellow and yellow/black wires together, and you will also need to hookup the small red wire from the MSD to these 2 wires.

The green wire is the trigger, connect it to the White wire on the MSD box or the negative side of the coil if you are only adding a coil

For Internal Coil cars
You will need the MSD conversion distributor cap.
Take the coil out of the distributor. Run the 2 wires that orignally connected to the coil out through the hole in the cap, rember which one is negitive and positive.
Connect the positive to the small red wire and the negitive to the white wire.

ApexI VAFC Settings
These settings are different for each car, use these as a baseline and get your car on a dyno

-2 from 0-4800 wide throttle
-5 from 4300-8000 wide throttle
vtec low<>high 4800
Vtec high<>low 4600
Throttle point low 10 high 50

1/4 Mile times for your Hybrid
It really depends on how well you can drive and the condition of your engine. We have seen anywhere from mid-low 14's to 16's in accords with H22 swaps.

6TH GEN TECH
There isnt much info on 6TH gen swaps. Aperantly the timing belt side mount is an issue as well as the immobilizer :confused:

Transmision Codes
thanks to V4lu3s

m2a4...jdm prelude tranny non-lsd
m2b4...jdm lsd h22a tranny
m2s4...usdm h23a1 tranny/possibly also JDM f22b tranny as well
m2f4...usdm h22a1 tranny
m2ya...usdm h22a4 tranny
m2u4...usdm type sh tranny