

## Fatz's SR20DET conversion on an R31 skyline 4 door

First you need a car. I chose this lovely 1990 silo imitation because it cost 1k was rough as guts and suited the purpose of a drift pig!!!

My was it rough, dents, rust, running bad, starter motor was rooted (bought a new one and had it reco... im a dumb arse 170 bux all up 17% the value of the car), wrong suspension made the car jacked up

Previous owner had it wired up so it cough on fire 3 days after purchase due to a short on the thermo fan. Each panel had a different colour so it real stood out as a bucket of shit..

On the plus side it had 3 months rego, was manual and was a perfect base for a car that I will and my brother flog the living crap out of for a good long time



Now starting with the beast I took the bonnet of revealing an rb30 that just would not cut it. I remove all the intake of and generally started to strip the engine bay of everything I didn't need. Took a few hours because I was tooling around and had some mates over that felt the need to get very drunk... but hey I couldn't let them do it myself



It appears that you should put a bucket on the thing as well, and some wheel rams are a winner! It was about this time that I realise that we might not get the engine out this night... after the 7<sup>th</sup> beer



Here is a picture that shows the colour of the entire panel.. nice!



now you can pull the wiring loom out... all good fun (I recommend 3 beers)

I actually hire an apprentice for the day \$50 bux well spent.. I though until he turned up without his tool which I was banking on...

See the aircon... it has to go!!!!

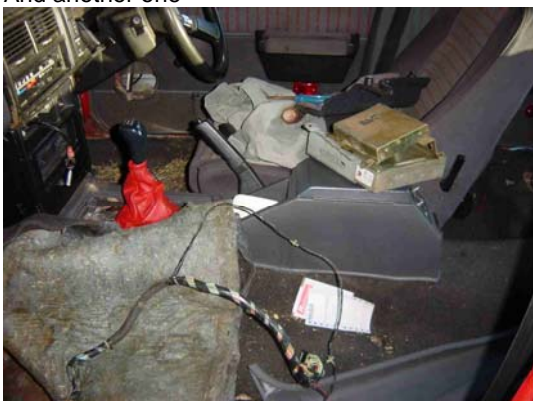


Why not take the seat out makes accessing the computer easier if you ask me. Turns out that we found a comp (I assume auto controller) under the passenger's seat. It wasn't plugged into anything

Much easier now



And a whole lot of wires doing nothing!  
And another one



One more.. check out the gearstick boot. Pure pimp! Came with the car \$1000 dollar bargain  
Total price of shit (car 1000, starter motor 170, apprentice 50 TOTAL\$1220) and counting



Just look at the quality of the car we have begun with... sexual, previous owner painted the dash black.. crazy and a shit job!



You wont find a better example of a r31 I tells ya  
And have a look at the baby waiting to go in



so get under and get dirty.. have a go



After several beers you have to get the apprentice to do most of the work!  
Pull the radiator out

Is this better



Slowly pulling all the crap that I don't need form around the engine  
Super cheap jack stands will come in handy!



And a couple of mates to help it along!... have a look how clean the garage for is... beautiful! Couple of day!



Coming along nicely  
You will need an engine hoist!  
Note this one broke the same day.. lucky just after the engine came out it gave up the ghost.



Slowly she came out, took about 1 hour because the engine hoist would go up much further than 1 mm each pump... great exercise to pumping o go nowhere  
I recommend several cases of vb to get you through the day



And the car makes a good coaster for all those empties when you have run out of room in the bin  
Get a bird to jack the car up!!! It will liberate them



Everyone was quite drunk so they all thought they would be council workers  
I can even remember the day but there were a lot of minds on the job



Skyline cross member and skyline steering rack, this is what the engine bay will look like once the engine is out. Love the standard skyline steering leak... shithouse

Drunken mate always help for cheap but really is it worth the body odour Christ!



One rb30 with 5sped



This was the end of Franken hoist as it finally just gave up and died it would never lift another engine again  
Sexy car!



I love the peashooter zorst  
Shit I even had to get a Toyota owner to help out!



Love that engine.. showing signs of the wiring explosion that almost burnt the car down  
Got to get the sr20 ready!



Had Luke the 50 dollar apprentice putting the clutch onto the sro20 for when it was ready to go in Rb 30 brakes suck so get rid of them I say



This really is a good pic to show how small the r31 standard brakes are  
A good move is to get the import upright that has similar sized brakes as a Silvia turbo  
Invite the drunken girlfriend to help and the dog Oahu so cute!



Meet the dog molesterer if you see this man near your dog run. The dog will have its tail between its legs very quickly



Shit leave her alone you freak



My coupe in the background... who new the engine was just about to blow the turbo and go in for a massive rebuilt and other work that day  
This is how I felt after 20 beers that day



Come here mister drill  
Mmm long day due to the broke hoist



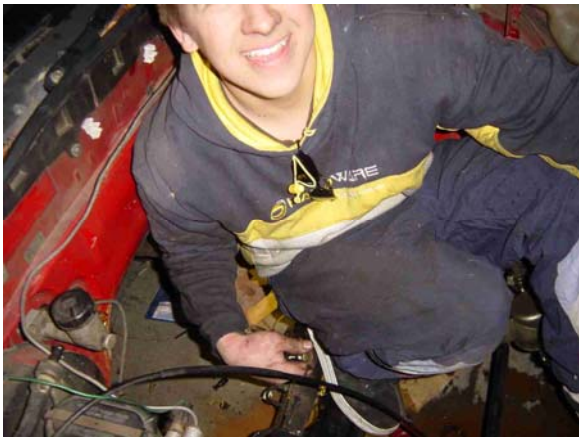
I hate this car! Al the drinks left so it was Luke and I working on the car at night. This is when we found out that the Silvia cross member doesn't bolt into o the front t of the car. So we left it with the s13 front cross member and front suspension for the night for me to gather my thoughts on how to fix the fuk up that was listening to the magazine who said it just bolts in .... NOT!

Lol



Luke was about over it.. so he was done for the day

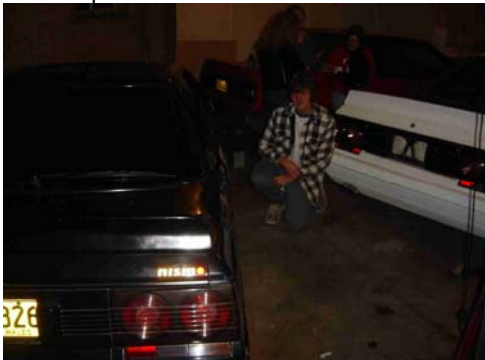




How a garage should look  
1\*r31 two door gtr motor  
1\*standard gtsx 2 door and a 4 door without a heart



Mark the happy new owner with his new r31 (white) in the background. He was telling everyone how he was the master drifter and needed respect!  
Strike a pose



Very prude new owner and a very clean koop!  
New toy... yum!



Mmm beer.. packing up for the night we had to cram 5 cars into the hole that is my garage

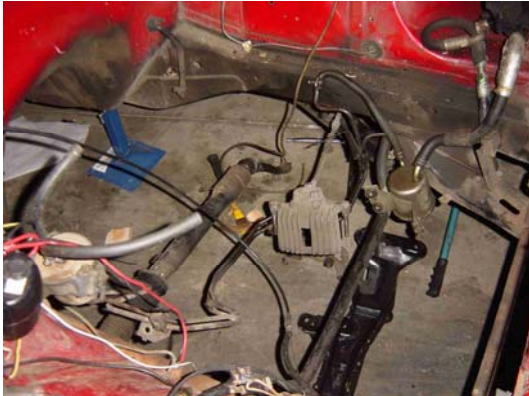


Check out how low that 4 door is with the Silvia cross member and suspension conversion



Was so low that the cross member was about 3 cm of the floor would have been well sick bro  
Also notice how the r31 steering rack has the wheels pointing out.. we worked out that the r31 rack didn't have enough thread on the arms to make it to the Silvia front control arm and hub assembly. So option is to modify the steering arms or go for the Silvia steering rack (I took the last option)

Silvia cross member needed to be modified to fit so out she came from her temporary resting place!



Lots of space for sr20det!!!  
Rack was out as was the cross member.  
Project came to an end about now because I just got the shit that everything didn't fit properly!



Look at all that space.. can't wait to get her in  
I kept the clutch slave and master but was prepared to swap it to Silvia if need be  
Modifying the cross member



Just mig welded on some metal ppe that a workshop uses for side intrusion bars the re drill the hole so she slots on  
One more



Ready for some drilling

Have to shorten the searing shaft by about one inch to fit the new rack! Due to it being further reaward than standard. However notice that even though the cross member is further back the front control arm suspension mounting is in the standard skyline position so the wheel comes out the right spot in the centre still!! Gold we love you Nissan



Here we go s13 cross member and s13 steering rack.. in she goes



Make the s13 front suspension fit= too easy.. bolts straight in with kei office coil overs to give a firm ride and adjustable suspension  
Steering rack was 90 bux!  
Have a look at that you don't see many r31 4 door with front struts like that



Ready for an engine now!



Someone bought the gearbox from the rb30 for 250 so I was happy with that so price update!  
(car 1000, starter motor 170, apprentice 50, power steering rack 90, sold motor for 250 TOTAL\$1040)



Engine hoist carked it so I bought the super cheap block and tackle... 99 bux!!!



Problem was I had to get the car over to the engine to get it in now!! This is when I found out that the person who pulled apart the engine gearbox didn't give me all the bolts so it had to just put the engine in at first



Drag that heavy girl over on the jack  
Does it fit...

Yes it does with a tonne of room!



Purty!

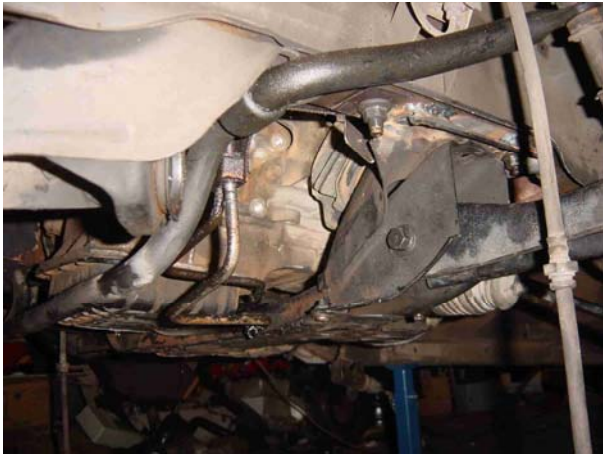
Lots of space.. you could fit another engine in there



Purty nice fit is say



It's even the same colour as the car  
You ripper!  
Underneath is nice ... everything fits nicely



Space anyone...  
Lots of space there  
Hopefully I will be able to fit a v mount ic in there some time



Fits behind the firewall just  
Love it just fits perfectly where it should



Exhaust side.. it's almost like it was meant to be there



Bonus of adjustable suspension

Camber tops.. bonus of having s13 coil overs they come with the camber adjustment



We started the ricer checklist down the door



If anyone has gone to a Oran park drift day ... you will know what this means



Better put the gear box in..



The joy of wiring

The person who previously owned the car should not be allowed near a wiring loom ... he has hacked it to bits and there was a good 4 hours stuffing around fixing his dodgy work!!!!



Lol  
More pain!!!



Did I say dodgy!!!



New steering rack.. front suspension, new everything  
I had to by the steering rack knuckle (\$30)



People go out and buy hks remote oil filter and cooler kits for 1800 bux  
Lol  
That's crazy check out this bad boy I picked up for 350!!! B new and the full kit





Another one



Look at the size of the core!!!!



IF THIS DOESN'T COL IT DOWN NOTHING WILL



More dodgy wiring!!!! I'm starting to hate the previous owner!!!



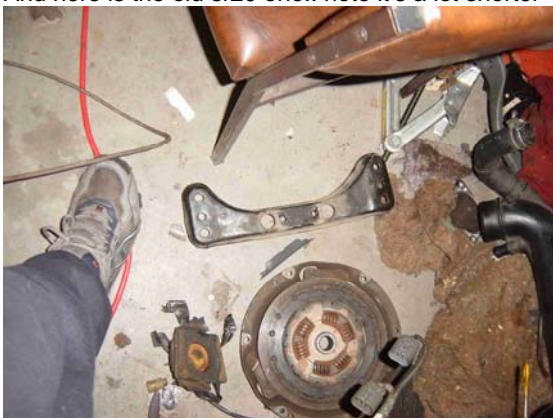
Need to get a gearbox cross member to fit



Here is my first attempt  
It's the one of the rb20 box with extensions welded on



And here is the old sr20 one.. note it's a lot shorter



More dicking around getting the front suspension correct



Swapping the rb30 starter motor loom over to the s13 starter motor so she will all plug in... very easy



My support crew



More wiring..... time for Kyle to step in and try and make it work!!!



Not much work gets done when these clowns are around



Out with the old rear shocks



A comparison...

This should firm the rear of the car up



Second attempt at the gearbox cross member



Note it was fouling on the rear of the mounting points so I had to cut a chunk of the edge  
The whole thing



The inside is a complete shambles



So inspiration from the rally word champs... maybe I need a roof snorkel



Getting those rear struts in took a bit of patience!



Stella the puppy loves the driver's seat



Some dramas with the rb30 clutch reared it head so I considered putting in the sr20 slave to fit



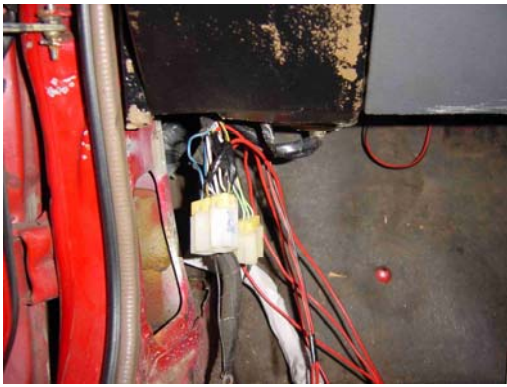
More tooling around with the wiring



Man did this diagram get a work out  
Thanks meggala



And some more wiring



The Kyle mobile



And we say no to?



More dicking around with the struts to get them right



The crack squad

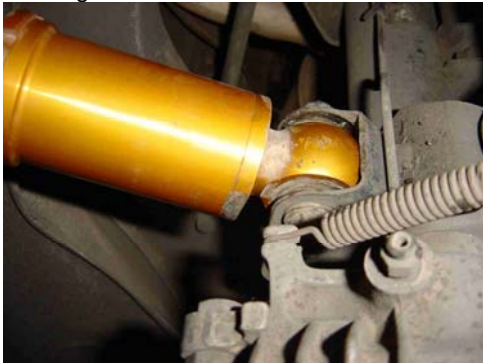


There in the rear ..

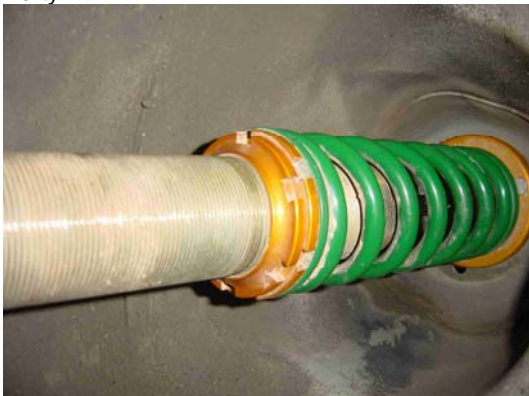
I had to drill one hole to suit the two stud hat but I recon it will be a all worth it in the end



In she goes



Purty



I think everyone should by a set of rear Silvia coil overs...

Sexy!!!!!!!!!!!!!!





Everyone is happy



Third attempt at the gearbox cross member!!!!  
Starting to give me the shits!!!



Starter motor dramas were found to be a dodgy earth



I am a sexy bitch



The cross member fits!!! Testify  
And look the standard tail shaft slides right in for a perfect fit!!!  
We love you Nissan



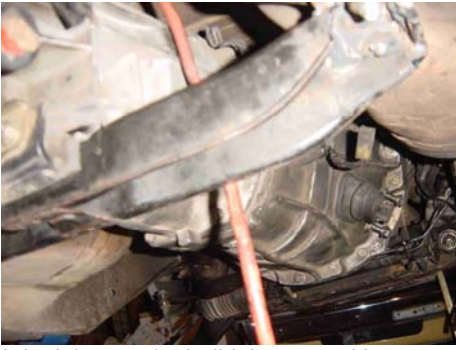
Bit of butchering but hey it get there and it's strong



Bolts in baby



Purty



I don't know why it didn't come with a sr20 I say



Giving it a test run without the radiator ect to make sure everything worked ok

This part took 4 hours cause we could get the fuel pump to fire... ended up having to put a separate relay into the beast to make it happen



She is a runner

We have oil pressure

We have boost!



Time to make it all nice

Bit of camber for the front me thinks



Sr20 det front brake... make a brake upgrade easy!



KYLE READY TO KILL IT JUST BEFORE IT STARTED .. THEN HE WA A HAPPY MAN !

If you need a car wired up he is the dude to do it!!!!



Better put that radiator in and make sure we can make it fit!



Mmm dump pipe and side pipe to go on!!!

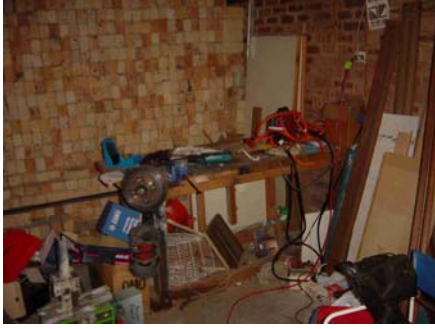


Wire it up dboy!!!



Ahh the machine room

Nice clean floor



Some spares!!!



Might have to lower the rear end  
This I how low it is while the suspension is hanging from the floor!!  
Going to handle like a dram this thing



All coming together  
Ever the lever appears to come out of the right hole!!



