

## **Volvo Build Specs v.1.0**

### **Engine:**

- 1.) B20 2.0L.
- 2.) Valve lash: Intake: .018 (cold) Exhaust: .018 (cold).
- 3.) Oil: Amsoil 15w-50 Racing Synthetic.
- 4.) Oil Filter: Fram PH5.
- 5.) Spark plugs: NGK B7HS. (.030 gap)
- 6.) Head: OEM Volvo, cleanup & port work by Valley Head Service.
- 7.) Valves: OEM.
- 8.) Valve Train: OEM rockers, dual springs.
- 9.) Crank: OEM.
- 10.) Rods: OEM.
- 11.) Pistons: JE 3.543 bore flat top.
- 12.) Cam: Schneider 292-96F.
- 13.) Oiling system: Stock Volvo w/2 qt. Accusump system.
- 14.) Exhaust: Stahl Jet-Coated header, 2.5" , Magnaflow muffler.
- 15.) Fan Belt: NAPA 25-7390.

### **Transmission, Clutch:**

- 1.) Volvo M40 4 speed, stock gearing.
- 2.) Amsoil 75w-140 synthetic trans lube.
- 3.) Flywheel: Tilton aluminum.
- 4.) Clutch:
- 5.) Hydraulic clutch master cylinder: Tilton.
- 6.) Hydraulic clutch slave cylinder:

### **Cooling System, Water:**

- 1.) Radiator: Ron Davis custom aluminum. Core: 17"W x 19"T .
- 2.) Electric fan:

## **Cooling System, Oil:**

- 1.) Oil Cooler:

## **Fuel System:**

- 1.) Weber: 45 DCOE x2.
- 2.) Carter electric fuel pump.
- 3.) Russell 12" ProFilter (element #649060, o-ring set #648990)
- 4.) Fuel Cell: Fuel Safe, 8 gallon.

## **Electrical System:**

- 1.) Ignition: MSD 6AL.
- 2.) Alternator:
- 3.) Battery: Braille 2015

## **Wheels/Tires:**

- 1.) 4ea. 15 x 7, 5 on 4.5, REAL brand alloy.
- 2.) 4ea. 15 x 6, 5 on 4.5 American Racing Torq Thrust II VN215
- 3.) Hoosier #44562 – 23.5 x 7.5 – 15 HotD R
- 4.) ½" x 20tpi x 3" Moroso studs.

## **Rear Axle:**

- 1.) Dana/Ford hybrid: Dana 27, 4:27 Powerlock posi center, early "small" Ford (i.e., 65-66 Mustang V8) axle tubes with custom Moser axles.
- 2.) Rear axle seals P/N: National / Federal Mogul 9569S.
- 3.) Axle Lube: Amsoil 75W – 140 synthetic w/positraction additive.

## **Body:**

- 1.) All steel unibody w/fiberglass bonnet and boot lid.

## **Chassis:**

- 1.) Front suspension: Stock Volvo king pin w/ boxed control arms. Carrera shocks w/custom mounts. 1" IPD sway bar.
- 2.) Front springs: Eibach p/n 0600.250.0900.

- 3.) Rear suspension: Stock Volvo trailing arms & torque arm. Carrera shocks.  
3/4" IPD sway bar.
- 4.) Rear springs: Tru Coil 252-510-200.
- 5.) Steering: Stock Volvo box, Heim joints at tie rod ends.

### **Brakes, Front:**

- 1.) Front rotors: Wilwood vented, 11". P/N: 080-0787
- 2.) Front calipers: Wilwood P/N: CP-120-3192
- 3.) Front pads: Wilwood P/N: 15B-3992K, 7320B compound
- 4.) Front hats: Wilwood P/N: GM0208 (LH) LN0208 (RH)
- 5.) Front adapter brackets: Wilwood P/N: ?
- 6.) Front hub grease seals: Volvo P/N 88640
- 7.) Motul RBF600 DOT4 fluid.

### **Brakes, Rear:**

- 1.) Rear rotors: Wilwood drilled, 11.5". P/N: LND495
- 2.) Rear calipers: Wilwood P/N: EN-120-4997
- 3.) Rear pads: Wilwood P/N: 15-B3991K, 7112B compound
- 4.) Rear hats: Wilwood P/N: DN 1827
- 5.) Rear adapter brackets: Wilwood P/N: CN 1805
- 6.) Motul RBF600 DOT4 fluid.

### **Brake Master Cylinder System:**

- 1.) Tilton underhung brake & clutch system.
- 2.) Motul RBF600 DOT4 fluid.

### **Pilot Safety:**

- 1.) Seat Belts:
- 2.) Window net:
- 3.) Fire suppression system: Firecharger AFFF