

# **2009 NHRA RULES AMENDMENTS**

**2009 Rule Amendments (Posted 10/9/09)**

## **ADMINISTRATIVE PROCEDURES & APPEALS**

### **SECTION 1**

**Page 26**

#### **1.6.3 Chassis Inspection**

##### **DELETE:**

**"Chassis inspection and certification is a service offered by NHRA, in express consideration and of and subject at all times to the following terms and conditions."**

##### **ADD:**

**"Chassis inspection and certification is a service offered by NHRA, in express consideration and of and subject at all times to the following terms and conditions, in NHRA's sole and absolute discretion."**

## **RACE PROCEDURES**

### **SECTION 2**

**Page 41**

#### **STAGING**

##### **DELETE:**

**"When staging in Super Stock, Stock, Super Comp, Super Gas, or Super Street categories, both contestants must activate their pre-stage lights before either may advance into the stage beams."**

##### **REPLACE WITH:**

**"When staging in Super Stock, Stock, Super Comp, Super Gas, Super Street, or Competition Eliminator categories, both contestants must activate their pre-stage lights before either may advance into the stage beams."**

## **POINTS AND RELATED PROGRAMS**

### **SECTION 3**

**LOGO PLACEMENT**

**DELETE:**

**"In addition, no participant in an NHRA Full Throttle Drag Racing Series event may display on his or her driver uniform, team uniform, vehicle, transporter, trailer, or in any other way at the NHRA Full Throttle Drag Racing Series event site, any Full Throttle "Energy Drink" beverage name, mark, logo, or other indicia, unless such Energy Drink sponsorship was approved by NHRA under the terms of the "Grandfather Clause" announced in April 2008"**

**REPLACE WITH:**

**"In addition, no participant in an NHRA Full Throttle Drag Racing Series event may display on his or her driver uniform, team uniform, vehicle, transporter, trailer, or in any other way at the NHRA Full Throttle Drag Racing Series event site, any non-Full Throttle "Energy Drink" beverage name, mark, logo, or other indicia, unless such Energy Drink sponsorship was approved by NHRA under the terms of the "Grandfather Clause" announced in April 2008"**

**ET – SUPER PRO, PRO, & SPORTSMAN**

**SECTION 4A – ET**

**Page 59**

**ENGINE : 1**

**SUPERCHARGER, TURBOCHARGER**

**DELETE:**

**"Permitted on gasoline, racing-gasoline, and alcohol burning cars. Supercharger restraint system meeting SFI Spec 14.1 mandatory on Roots-type supercharger when alcohol is used as fuel. High helix and screw-type supercharger permitted. Screw-type supercharger – manifold burst panel meeting SFI Spec 23.1 (in addition to panel in supercharger) plus restraint system meeting SFI Spec 14.21 mandatory. Supercharger restraint straps must be covered with a fire-resistant material. The blower restraint straps and fuel lines must be installed such that when the restraint straps are fully extended no load is placed on any of the fuel lines. See General Regulations 1:10."**

**REPLACE WITH :**

**“Permitted on gasoline, racing-gasoline, and alcohol burning cars. Supercharger restraint system meeting SFI Spec 14.1 mandatory on Roots-type supercharger when alcohol is used as fuel. High helix, centrifugal and screw-type supercharger permitted. Screw-type supercharger – manifold burst panel meeting SFI Spec 23.1 (in addition to panel in supercharger) plus restraint system meeting SFI Spec 14.21 mandatory. Supercharger drive must be belt, NHRA-accepted chain driver or NHRA-accepted gear drive. Supercharger restraint straps must be covered with a fire-resistant material. The blower restraint straps and fuel lines must be installed such that when the restraint straps are fully extended no load is placed on any of the fuel lines. Air-to-air or water-to-air intercoolers permitted on turbocharged and centrifugal supercharged vehicles. See General Regulations 1:10.”**

## **ADVANCED ET**

### **SECTION 4B - ADVANCED E.T.**

**Page 66**

#### **NITROUS OXIDE**

**DELETE:**

**“Nitrous oxide prohibited on supercharged or turbocharged engines. See General Regulations 1:6.”**

**REPLACE WITH:**

**“Nitrous oxide prohibited on supercharged or turbocharged engines, except when diesel fuel used. See General Regulations 1:6.”**

**Page 68**

#### **SUPPORT GROUP: 9**

#### **FIRE EXTINGUISHER SYSTEM**

**DELETE:**

**“Mandatory on (closed or open) bodied front-engine alcohol-burning or supercharged/turbocharged cars and on any rear-engine car with enclosed cockpit. Minimum 5-pound NHRA-accepted system. All front-engine open-bodied supercharged/turbocharged (gasoline or methanol) cars and supercharged alcohol cars (full-bodied or Funny Car). Minimum 20-pound NHRA-accepted system. See General Regulations 9:10 for accepted agents.”**

**REPLACE WITH:**

**“Minimum 5-pound NHRA accepted system mandatory on front engine open-bodied alcohol non-supercharged/turbocharged car and on any rear engine car with an enclosed cockpit.**

**Minimum 20-pound NHRA accepted system mandatory on all front engine open-bodied alcohol burning supercharged/turbocharged cars. See General Regulations 9:3 for accepted agents. ”**

**DRIVER: 10**

**PROTECTIVE CLOTHING**

**Page 69**

**DELETE:**

**“For all open-bodied cars where the driver does not use an SFI 3.3 neck collar (driver who uses head and neck restraint system only), an SFI 3.3 head sock or SFI 3.3 skirted helmet mandatory. ”**

**REPLACE WITH:**

**“An SFI 3.3 head sock or SFI 3.3 skirted helmet is required on all open-bodied cars or all cars 7.49 & quicker, where a neck collar is not used.”**

## **TOP SPORTSMAN**

**SECTION 4C - TOP SPORTSMAN**

**ENGINE: 1**

**NITROUS OXIDE**

**Page 70**

**DELETE:**

**NITROUS OXIDE**

**“Permitted on non-supercharged or non-turbocharged entries only.”**

***(Note: amendment in Adv. ET will apply to Top Sportsman and Top Dragster)***

**DRIVETRAIN: 2**

**TRANSMISSION**

**Page 71**

**DELETE:**

**All entries with pressurized transmissions must have interior sheet metal tunnel isolating the driver's compartment from the transmission.**

**ADD:**

**Any transmission may be used, however, vehicle must employ positive system to disengage from final drive. All automatic transmissions must have a neutral safety start switch and reverse lockout device. All pressurized transmissions must be isolated from the driver's compartment see Body: 7; Floor. All pressurized units must utilize flexible hoses pressure tested to 300psi and be clearly labeled as passing the testing process or steel lines and AN fittings to connect with accessory coolers. A minimum 1/8-inch pipe connection using high-pressure line vent to overflow tank (minimum 1-pint capacity) is mandatory.**

**DRIVER: 10**

**PROTECTIVE CLOTHING**

**Page 75**

**DELETE:**

**"however must be used with SFI Spec 3.3 head sock or SFI Spec 3.3 skirted helmet." (in first sentence)**

**ADD:**

**NECK COLLAR**

**"A head and neck restraint device/system is mandatory for any vehicle running 200 mph or faster. The device/system must meet SFI Spec 38.1 and must display a valid SFI label. The head and neck restraint device/system, when connected, must conform to the manufacturer's mounting instructions, and it must be configured, maintained, and used in accordance with the manufacturer's instructions. Modification of the device is prohibited. Neck collar meeting SFI Spec 3.3 mandatory for all other cars. A head and neck restraint device can be used with, or without, a neck collar; when a neck collar is not used, an SFI 3.3 head sock or SFI Spec 3.3 skirted helmet is required."**

**TOP DRAGSTER**

**SECTION 4D - TOP DRAGSTER**

**Page 75**

**MINIMUM WEIGHTS**

**DELETE ALL:**

**"Small-block dragster**

**Naturally aspirated: 1,450 pounds**

**Nitrous assisted: 1,550 pounds**

**Supercharged or Turbocharged: 1,650 pounds**

**Big-block dragster**

**Naturally aspirated: 1,500 pounds**

**Nitrous assisted: 1,700 pounds**

**Supercharged or Turbocharged: 1,800 pounds**

**Small-block altered**

**Naturally aspirated: 1,600 pounds**

**Nitrous assisted: 1,700 pounds**

**Supercharged or Turbocharged: 1,800 pounds**

**Big-block altered**

**Naturally aspirated: 1,700 pounds**

**Nitrous assisted: 1,900 pounds**

**Supercharged or Turbocharged: 2,000 pounds**

**4 or 6 Cylinder vehicles**

**Naturally aspirated: 1,400 pounds**

**Nitrous assisted: 1,500 pounds**

**Supercharged or Turbocharged: 1,600 pounds"**

**REPLACE WITH:**

**"Small-block dragster or Altereds**

**Naturally aspirated: 1,450 pounds**

**Nitrous assisted: 1,550 pounds**

**Supercharged or Turbocharged: 1,650 pounds**

**Big-block dragsters or Altereds**

**Naturally aspirated: 1,500 pounds**

**Nitrous assisted: 1,700 pounds**

**Supercharged or Turbocharged: 1,800 pound**

**4 or 6 Cylinder dragsters or Altereds**

**Naturally aspirated: 1,400 pounds**

**Nitrous assisted: 1,500 pounds**

**Supercharged or Turbocharged: 1,600 pounds"**

**ENGINE: 1**

**SUPERCHARGER**

**PAGE 76**

**DELETE:**

**All supercharged entries may utilize a 14-71 (or smaller) standard or hi-helix supercharger. Screw supercharger prohibited. All front engine cars must have a SFI 14.2 or 14.3 Supercharger Restraint with approved bag from same manufacturer with the restraint straps and bag covered with fire resistant material. Rear engine cars must have a SFI 14.1, 14.2 or 14.3 Supercharger Restraint. Belt guards shielding both fuel and oil lines are mandatory. The blower restraint straps and fuel lines must be installed such that when the restraint straps are fully extended no load is placed on any of the fuel lines. Aluminum studs (supercharger-to-manifold) mandatory. All supercharged dragsters must utilize a torque converter assisted transmission. See General Regulations 1:10, 1:11.**

**ADD:**

**Use of high-helix supercharger permitted. Screw-type superchargers permitted. Screw-type supercharger must meet SFI Spec 34.1 and be re-inspected by the manufacturer every three years. Manifold burst panel meeting SFI Spec 23.1 (in addition to panel in supercharger) plus restraint system meeting SFI Spec 14.21 mandatory on all screw-type superchargers. Front engine cars must use a SFI Spec 14.2 or 14.3 supercharger restraint. Rear engine cars must have SFI Spec 14.1, 14.2 or 14.3 supercharger restraint. Supercharger restraint straps must be covered with a fire-resistant material. The blower restraint straps and fuel lines must be installed such that when the restraint straps are fully extended no load is placed on any of the fuel lines. See General Regulations 1:10. All supercharged dragsters must utilize a torque converter assisted transmission.**

**DRIVETRAIN: 2**

**Page 76**

**ADD:**

**"Clutchless transmissions are limited to five forward gears; aftermarket planetary limited to three forward gears."**

**INTERIOR: 6**

**UPHOLSTERY**

**Page 77**

**DELETE:**

**"Mandatory if metallic seat is used. See General Regulations 6:2."**

**REPLACE WITH:**

**"Optional. For all front-engine open-bodied vehicles supercharged or turbocharged (gasoline- or methanol-burning), a flame-retardant material-covered seat is mandatory."**

**SUPPORT GROUP: 9**

**FIRE EXTINGUISHER SYSTEM**

**Page 78**

**DELETE:**

**"Mandatory on front-engine alcohol burning or supercharged/turbocharged cars and on any rear-engine car with enclosed cockpit. Minimum 5-pound NHRA-accepted system. All front-engine open-bodied supercharged/turbocharged cars, minimum 20-pound NHRA-accepted system. Safety pins must be red flagged. See General Regulations 9:3 for accepted agents."**

**REPLACE WITH:**

**"Minimum 5-pound NHRA accepted system mandatory on front engine open-bodied alcohol non-supercharged/turbocharged car and on any rear engine car with an enclosed cockpit.**

**Minimum 20-pound NHRA accepted system mandatory on all front engine open-bodied alcohol burning supercharged/turbocharged cars. See General Regulations 9:3 for accepted agents. "**

**DRIVER: 10**

**HELMET**

**Page 78**

**DELETE:**

**"Drivers of all cars must use a full-face Snell SA2000 or SA2005 or SFI Spec 31.2A helmet with shield mandatory (goggles prohibited)."**

**REPLACE WITH:**

**"For all open-bodied naturally aspirated gasoline- or methanol-burning cars, a full-face Snell M2000, M2005, K2005, SA2000, SA2005, SFI 31.2A or 41.2A**

**mandatory; shield mandatory (goggles prohibited). See General Regulations 10:7.**

**For all open-bodied front-engine or rear-engine supercharged, turbocharged, or nitrous cars, a full-face Snell SA2000, SA2005, or SFI 31.2A helmet and shield mandatory (goggles prohibited)."**

***This is the same as Advanced ET (page 68) applications***

## **SUPER STREET**

### **SECTION 5 – SUPER STREET**

**ENGINE: 1**

**FUEL**

**Page 92**

**DELETE:**

**"Nitrous oxide prohibited"**

**REPLACE WITH:**

**"Nitrous oxide prohibited, except on diesel-turbocharged engines"**

## **SUPER GAS**

### **SECTION 6 – SUPER STREET**

**ENGINE: 1**

**PAGE 98**

**ADD:**

**"Nitrous oxide prohibited, except on diesel-turbocharged engines"**

## **SUPER COMP**

### **SECTION 6 – SUPER COMP**

**ENGINE: 1**

**Page 100**

**ADD:**

**"Nitrous oxide prohibited, except on diesel-turbocharged engines"**

## **STOCK**

### **SECTION 8A – STOCK**

**ENGINE: 1**

**CYLINDER HEADS**

**PAGE 104**

**Add to end of fourth sentence:**

**"Runner volumes may not exceed the current Super Stock cylinder head volumes as listed on [www.NHRA.com](http://www.NHRA.com).**

**Regardless of the poured volume measurement, any modifications to intake or exhaust runners prohibited. Any evidence of modifications from the original castings will be grounds for disqualifications. Final decision at the discretion of the Technical Services Department."**

**Add to eleventh sentence after "The following are prohibited:"**

**"Spark plug adaptors,"**

**PISTONS**

**PAGE 106**

**Add to end of fourth sentence:**

**"or gas porting."**

## **SUPER STOCK**

### **SECTION 9A - SUPER STOCK**

**ENGINE: 1**

**CYLINDER HEADS**

**Page 114**

**Add to end of sixth sentence:**

**"Spark plug adaptors prohibited."**

**SECTION 9A - SUPER STOCK**

**ENGINE: 1**

**OIL PUMP**

**PAGE 116**

**DELETE:**

**"Stock, OEM, or OEM-type aftermarket oil pump permitted. Oil pump location, oil pump drive, and complete oiling system must remain as originally produced, except for additional internal plumbing (i.e. rocker shaft, etc.), which is permitted. Accumulator permitted. Additional external plumbing (except for accumulator and remote oil filter in Super Stock GT) prohibited. Additional external plumbing (except for accumulator) prohibited. Dry sump system prohibited."**

**REPLACE WITH:**

**"Stock, OEM, or OEM aftermarket replacement oil pump permitted. Oil pump location, oil pump drive, and complete oiling system must remain as originally produced, except for additional internal plumbing (i.e. rocker shaft, etc.), which is permitted. Accumulator permitted. Additional external plumbing (except for accumulator, remote oil filter, and line(s) from the oil pan to oil pump) prohibited. Dry sump system prohibited."**

**ENGINE: 1**

**PISTON**

**PAGE 116**

**Add to end of section:**

**"Lateral gas porting of pistons permitted."**

**SUPER STOCK GT**

**SECTION 9B – SUPER STOCK GT**

**BODY: 7**

**FLOOR**

**PAGE 125**

**DELETE:**

**"For FWD conversion cars, a driveshaft tunnel may be fabricated of same-as-OEM material and must be fully welded to the as-built OEM floor."**

**REPLACE WITH:**

**"For FWD conversion cars, a driveshaft tunnel must be fabricated of same-as-OEM material minimum, and must be fully welded to the as-built OEM floor."**

## **MODIFIED STOCK**

**SECTION 9D – MODIFIED STOCK**

**ENGINE: 1**

**ENGINE**

**Page 128**

**ADD:**

**"OEM aftermarket small-block Chevrolet (SBC) engines with bore centers greater than 4.420 inches are not permitted."**

**BODY: 7**

**FLOOR**

**Page 131**

**DELETE:**

**"For FWD conversion cars, a driveshaft tunnel may be fabricated of same-as-OEM material and must be fully welded to the as-built OEM floor."**

**REPLACE WITH:**

**"For FWD conversion cars, a driveshaft tunnel must be fabricated of same-as-OEM material minimum, and must be fully welded to the as-built OEM floor."**

## **MODIFIED TRUCK**

**SECTION 9E – MODIFIED TRUCK**

**ENGINE: 1**

**ENGINE**

**Page 133**

**ADD:**

**"OEM aftermarket small-block Chevrolet (SBC) engines with bore centers greater than 4.420 inches are not permitted."**

## **MODIFIED**

**SECTION 9F – MODIFIED**

**ENGINE: 1**

**ENGINE**

**Page 135**

**ADD:**

**"OEM aftermarket small-block Chevrolet (SBC) engines with bore centers greater than 4.420 inches are not permitted."**

**Section 9F – Modified**

**BODY: 7**

**FLOOR**

**Page 138**

**DELETE:**

**"For FWD conversion cars, a driveshaft tunnel may be fabricated of same-as-OEM material and must be fully welded to the as-built OEM floor."**

**REPLACE WITH:**

**"For FWD conversion cars, a driveshaft tunnel must be fabricated of same-as-OEM material minimum, and must be fully welded to the as-built OEM floor."**

## **COMP**

### **Gas Dragster**

**SECTION 10A – GAS DRAGSTER**

**CLASSES**

**Page 148**

**DELETE:**

**H/D - 9.80 or more pounds per cubic inch; 1,800-pound minimum; turbocharged, 6-cylinder, 2- and 4-valve engines only.**

**REPLACE WITH:**

**H/D -- 9.80 or more pounds per cubic inch, 1800 pound minimum; turbocharged, 6 or 8 cylinder engines only**

**ENGINE: 1**

**TURBOCHARGER**

**DELETE:**

**H/D limited to maximum single 74mm or maximum twin 58mm turbocharger.**

**REPLACE WITH:**

**H/D limited to: Six-cylinder, single turbo applications limited to a maximum 91mm; Six-cylinder, twin turbo applications limited to a maximum 76mm; Eight-cylinder, small-block turbo applications limited to a maximum 78mm; Eight-cylinder, big-block turbo applications limited to a maximum 82mm.**

## **ALTERED & STREET ROADSTER**

**Section 10D – Altered & Street Roadster**

**Page 158**

**Classes AA/AF**

**Delete:**

**“Maximum 153.00 cubic inches”**

**Replace with “Maximum 164.00 cubic inches; 153.01 CID or larger minimum weight 2350 pounds.”**

**ENGINE: 1**

**ENGINE**

**Page 159**

**DELETE:**

**"OEM aftermarket small-block Chevrolet (SBC) engines with bore centers greater than 4.420 inches are not permitted."**

**SUPERCHARGER**

**Page 160**

**After third sentence add:**

**"The rotors must be driven from the front (both the external drive and the internal gearing). The entire inlet opening must be on/in the upper surface only. Any inlet/outlet cavity in front of the rotors is restricted to maximum 2.150-inch, measuring from the face of bearing plate to the back of the cavity. Billet cases prohibited. The maximum length from the front of the supercharger drive pulley to the leading edge of the rotor is 15 inches. Offset drive pulleys may not be used to add to the number listed above. All manifold configurations and supercharger modifications and locations must be accepted prior to competition."**

**BODY: 7**

**BODY, Full-Bodied Cars**

**Page 163**

**DELETE:**

**"Maximum front-end overhang is 45 inches or OEM +/- 1 inch for all 2001 and newer cars or previously accepted NHRA Pro Stock bodies. All 2000 and older vehicles must retain stock overhang +/- 1 inch."**

**REPLACE WITH:**

**"Maximum front-end overhang is 45 inches."**

**PROTECTIVE CLOTHING**

**Page 166**

**DELETE:**

**"All drivers of open-bodied vehicles who do not use an SFI 3.3 neck collar (drivers who use head and neck restraint system only), an SFI 3.3 head sock or SFI 3.3 skirted helmet mandatory."**

**REPLACE WITH:**

**"An SFI 3.3 head sock or SFI 3.3 skirted helmet is required on all open-bodied cars or all cars 7.49 & quicker, where a neck collar is not used."**

## **ALTERED TRUCK**

### **SECTION 10E – ALTERED TRUCK**

**ENGINE: 1**

**ENGINE**

**Page 167**

**DELETE:**

**"OEM aftermarket small-block Chevrolet (SBC) engines with bore centers greater than 4.420 inches are not permitted."**

**PROTECTIVE CLOTHING**

**Page 171**

**ADD:**

**"An SFI 3.3 head sock or SFI 3.3 skirted helmet is required on all cars 7.49 & quicker, where a neck collar is not used."**

## **ECONO ALTERED**

### **SECTION 10G - ECONO ALTERED**

**BODY: 7**

**BODY, FULL-BODIED CARS**

**PAGE 174**

**DELETE:**

**"Maximum front-end overhang is 45 inches or OEM +/- 1 inch for all 2001 and newer cars or previously accepted NHRA Pro Stock bodies. All 2000 and older vehicles must retain stock overhang +/- 1 inch."**

**REPLACE WITH:**

**"Maximum front-end overhang is 45 inches."**

**PROTECTIVE CLOTHING**

**Page 176**

**ADD:**

**"An SFI 3.3 head sock or SFI 3.3 skirted helmet is required on all open-bodied cars or all cars 7.49 & quicker, where a neck collar is not used."**

## **SUPER MODIFIED**

**SECTION 10G - SUPER MODIFIED**

**DRIVER: 10**

**PROTECTIVE CLOTHING**

**PAGE 183**

**ADD:**

**"An SFI 3.3 head sock or SFI 3.3 skirted helmet is required on all cars 7.49 & quicker, where a neck collar is not used."**

## **PRO MODIFIED**

**SECTION 10H - PRO MODIFIED**

**ENGINE: 1**

**SUPERCHARGER**

**Page 185**

**DELETE:**

**"Permitted in AA/PM only, standard or high-helix Roots-type mandatory. Screw-type supercharger prohibited. Manifold burst panel meeting SFI Spec 23.1 plus restraint system meeting SFI Spec 14.2 mandatory. Maximum supercharger overdrive limit is 20.0 percent on all combinations. Intercoolers, variable multi-speed supercharger devices, turbocharger(s) prohibited in both classes. Nitrous oxide injection prohibited in AA/PM. OEM manufacturer's (cast) case mandatory; billet cases prohibited. The top opening may not exceed 11 inches in length or 5 inches in width. The maximum length from the front of the supercharger drive pulley to the leading edge of the rotor is 15 inches. Offset drive pulleys may not be used to add to the number listed above. All manifold configurations and supercharger locations must be accepted prior to competition. The use of spacers, modified cases, or attaching methods to move the supercharger rearward in excess of the specified amount is prohibited. See General Regulations 1:10, 1:11."**

## **REPLACE WITH:**

**“Permitted in AA/PM only, standard or high-helix Roots-type mandatory. Screw-type supercharger prohibited. Manifold burst panel meeting SFI Spec 23.1 plus restraint system meeting SFI Spec 14.2 mandatory. Maximum supercharger overdrive limit is 20.0 percent on all combinations. Intercoolers, variable multi-speed supercharger devices, turbocharger(s) prohibited in both classes. Nitrous oxide injection prohibited in AA/PM. OEM manufacturer’s (cast) case mandatory; billet cases prohibited. The top opening may not exceed 11 inches in length or 5 inches in width. The maximum length from the front of the supercharger drive pulley to the leading edge of the rotor is 15 inches. Offset drive pulleys may not be used to add to the number listed above. All manifold configurations, and supercharger modifications and location, must be accepted prior to competition. The use of spacers, modified cases, or attaching methods to move the supercharger rearward in excess of the specified amount is prohibited. The rotors must be driven from the front (both the external drive and the internal gearing). The entire inlet opening must be on/in the upper surface only. Any inlet/outlet cavity in front of the rotors is restricted to maximum 2.150-inch, measuring from the face of bearing plate to the back of the cavity. See General Regulations 1:10, 1:11.”**

**DRIVER: 10**

## **PROTECTIVE CLOTHING**

**Page 188**

**ADD:**

**“A SFI 3.3 head sock or SFI 3.3 skirted helmet is required on all cars 7.49 & quicker, where a neck collar is not used.”**

## **TOP ALCOHOL DRAGSTER**

**Section 11**

### **CLASS WEIGHT BREAKS**

**Page 190**

**Delete:**

**“100 percent nitromethane permitted at events contested at Bandimere Speedway in Denver. Maximum nitromethane content 96 percent at all other events.”**

**REPLACE WITH:**

**"100 percent nitromethane permitted at events contested at Bandimere Speedway in Denver. Maximum nitromethane content 94 percent at all other events."**

**ENGINE: 1**

**FUEL SYSTEM**

**Page 191**

**DELETE:**

**"Artificial cooling and/or heating of fuel prohibited."**

**REPLACE WITH:**

**"Artificial cooling and/or heating of fuel (i.e. cool cans, ice, Freon, etc.) prohibited on the car. Insulated fuel lines and fuel tanks prohibited. Artificial cooling and/or heating of fuel confined to the pit area only. The use of dry ice and/or liquid nitrogen for artificial cooling of fuel prohibited."**

**SUPERCHARGER**

**Page 192**

**After third sentence add:**

**"The rotors must be driven from the front (both the external drive and the internal gearing). The entire inlet opening must be on/in the upper surface only. Any inlet/outlet cavity in front of the rotors is restricted to maximum 2.150-inch, measuring from the face of bearing plate to the back of the cavity. Billet cases prohibited. The maximum length from the front of the supercharger drive pulley to the leading edge of the rotor is 15 inches. The use of spacers, modified cases, offset drive pulleys, or attaching methods to move the supercharger rearward in excess of the specified amount is prohibited. All manifold configurations and supercharger modifications and locations must be accepted prior to competition. Variable multi-speed supercharger devices prohibited. Supercharger must be in conventional location above the intake manifold and cylinder heads, and supercharger restraint device may not be modified."**

**BRAKES & SUSPENSION: 3**

**STEERING**

**Page 194 (Page 201)**

**DELETE:**

**"Plating of steering components prohibited for cars built after 1/1/09."**

**REPLACE WITH:**

**"Plating of steering components prohibited on all cars, effective June 2, 2009."**

**SUSPENSION**

**Page 194 (Page 201 for TAFC)**

**DELETE:**

**"Plating of front suspension components prohibited for cars built after 1/1/09."**

**REPLACE WITH:**

**"Plating of front suspension components prohibited on all cars, effective June 2, 2009."**

## **TOP ALCOHOL FUNNY CAR**

**ENGINE: 1**

**FUEL SYSTEM**

**Page 200**

**REMOVE PREVIOUS AMENDMENT:**

**"Artificial cooling and/or heating of fuel (i.e. cool cans, ice, Freon, etc.) prohibited on the car. Insulated fuel lines and fuel tanks prohibited. Artificial cooling and/or heating of fuel confined to the pit area only. The use of dry ice and/or liquid nitrogen for artificial cooling of fuel prohibited."**

**REPLACE WITH:**

**"Insulated fuel lines and fuel tanks prohibited. Minimum temperature of fuel in the staging lanes to the completion of the run and subsequent NHRA fuel check is 50°F. Effective August 13th, 2009."**

## **PRO STOCK MOTORCYCLE**

**DESIGNATION**

**Page 206**

**DELETE:**

**"Harley-Davidson (up to 160 cid; 45- to 60-degree angle, 4-valve) – 620 pounds"**

**REPLACE WITH:**

**"Harley-Davidson (up to 160 cid; 45- to 60-degree angle, 4-valve) – 640 pounds"**

**DELETE:**

**"Suzuki (101 cid, 2-valve) – 605 pounds"**

**"Suzuki (101 cid, 4-valve) – 605 pounds"**

**REPLACE WITH:**

**"Suzuki (101 cid, 2-valve) – 595 pounds"**

**"Suzuki (101 cid, 4-valve) – 595 pounds"**

### **SECTION 13**

**BODY: 7**

**AIR INTAKES**

**Page 210**

**ADD:**

**"No external modifications allowed to NHRA accepted scoops"**

**SUPPORT GROUP: 9**

**COMPUTER/DATA RECORDERS**

**Page 210**

**DELETE:**

**"Can be used for information gathering only. Throttle operation, shifting, clutch actuation, etc. are to be solely under the control of the rider. See General Regulations 9:1, 9:2."**

**REPLACE WITH:**

**"Data recorders permitted; must be NHRA accepted, standalone and used for information gathering only. Throttle operation, shifting, clutch actuation, etc. are to be solely under the control of the rider. Data recorders may not collect any information from the induction system other than engine rpm. Digital**

**dash displays and digital dash displays with data recording capabilities are prohibited. All other instrumentation prohibited on dash with the exception of a shift light and warning lights (i.e. low oil pressure, fuel pressure). See General Regulations 9:1, 9:2."**

## **PRO STOCK**

### **Section 14**

#### **ENGINE: 1**

#### **CARBURETOR**

**After "Barry Grant King Demon RS" add:**

**"Quick Fuel FX-4714 and P-4512, and Braswell B-7390)" Effective April 16, 2009**

#### **OIL-RETENTION DEVICE**

**Page 213**

#### **DELETE:**

**"Pan must run from in front of front motor plate to in front of the rear motor plate and to just inside of the lower frame rails."**

#### **REPLACE WITH:**

**"Pan must run from in front of front motor plate to in front of the rear motor plate and to just inside or outside, of the lower frame rails."**

#### **TIRES & WHEELS: 5**

#### **TIRES**

**Page 210**

#### **ADD:**

**"Restricted to Goodyear-only tires, as specified by NHRA."**

#### **BODY: 7**

#### **WINDSHIELD, WINDOWS**

**Page 218**

#### **DELETE:**

**“With the exception of the driver’s name, car number, car builder’s name, and class designation, side windows, including quarter windows, must remain clear of decals, paint scheme, etc.”**

**REPLACE WITH:**

**“Side windows, including quarter windows, limited to driver’s name, car number, car builder name, class designation and decals only. Paint scheme may not extend into these windows. Decals may not completely cover these windows. Outer edge outline of windows must remain uncovered. NHRA Technical Services reserves the right to accept or prohibit the placement of the decals on the windows as deemed necessary to comply with this rule.”**

**SUPPORT GROUP: 9**

**Page 219**

**ADD:**

**ACCIDENT DATA RECORDER**

**“Properly installed and operational Delphi Accident Data Recorder (part number MS0148) required. The Delphi Accident Data Recorder must be installed per the manufacturer’s instructions. Modification of, or tampering with, the Delphi Accident Data Recorder prohibited.”**

**DRIVER: 10**

**PROTECTIVE CLOTHING**

**Page 219**

**ADD:**

**“An SFI 3.3 head sock or SFI 3.3 skirted helmet is required on all cars, where a neck collar is not used.”**

**FUNNY CAR**

**DESIGNATION**

**Page 221**

**DELETE:**

**“Minimum weight at conclusion of run: 2,555 pounds, including driver.”**

**REPLACE WITH:**

**"Minimum weight at conclusion of run: 2,575 pounds, including driver."  
Effective July 17<sup>th</sup>, 2009**

## **BRAKES**

**Page 224**

**After:**

**"Steel brake lines mandatory."**

**ADD:**

**"NHRA accepted fireproof brake line covering mandatory on all (front and rear) flexible connection lines. Contact the NHRA Tech Department for approved manufacturer(s)." Effective July 24<sup>th</sup>, 2009**

**Section 15**

**ENGINE: 1**

## **VALVE COVERS**

**Page 223**

**DELETE:**

**"Must be installed using 5/16-inch steel studs and nuts."**

**REPLACE WITH:**

**"Must be installed using 5/16-inch steel studs (4130 minimum), and steel or titanium nuts."**

**DRIVETRAIN: 2**

**Page 224**

**ADD:**

## **REVERSER COVER**

**"A one-piece tunnel, covering the reverser and driveshaft, mandatory. Must extend from rear of bell housing back to within 2-inches of the front of driver's seat, and be of titanium of .078-inch thick minimum, chromoly 4130 of .090-inch thick minimum, carbon composite of .100-inch thick minimum, or carbon/titanium of .130-inch minimum. Hole allowed for lever. Must include minimum 1-inch horizontal, mounting flange at edges of tunnel. Mounting to chassis floor "X" member, minimum 4 places, 5/16-inch steel or titanium bolts mandatory."**

**BRAKES & SUSPENSION: 3**

**STEERING**

**Page 224**

**ADD:**

**"Plating of steering components prohibited."**

**SUSPENSION**

**Page 224**

**ADD:**

**"Plating of front suspension components prohibited."**

**BODY: 7**

**BODY**

**Page 227**

**DELETE:**

**"Wicker permitted on front side of blower opening; maximum height 1 inch"**

**REPLACE WITH:**

**"Wicker permitted on front and sides of blower opening; maximum height 1 inch"**

**SUPPORT GROUP: 9**

**Page 231**

**ADD:**

**SHUTOFF DEVICE**

**"Properly installed and operational Electrimotion Funny Car Safety Shutoff Controller Kit (part number SB001FC) required. The Electrimotion Funny Car Safety Shutoff Controller Kit must be installed per the manufacturer's instructions. Modification of or tampering with the Electrimotion Funny Car Safety Shutoff Controller Kit prohibited."**

**COMPUTER/DATA RECORDER**

**ADD:**

**"Data recorders permitted; must be NHRA accepted. Accepted systems: Racepak Pro II, Pro 1B, and Pro I. Data recorder may be used in conjunction with manufacturer's digital dash display."**

**ADD:**

#### **ACCIDENT DATA RECORDER**

**"Properly installed and operational Ford Accident Data Recorder (part number MS0148) required. The Ford Accident Data Recorder must be installed per the manufacturer's instructions. Modification of or tampering with the Ford Accident Data Recorder prohibited."**

### **TOP FUEL DRAGSTER**

**Section 16**

**ENGINE: 1**

**FUEL INJECTOR HAT**

**Page 234**

**DELETE:**

**"The injector hat shall extend forward no more than 12 inches from the front of the injector hat to the front bolt on the blower case opening."**

**REPLACE WITH:**

**"The injector hat shall extend forward no more than 13.500-inch from the front of the injector hat to the front bolt on the blower case opening."**

**VALVE COVERS**

**Page 235**

**DELETE:**

**"Must be installed using 5/16-inch steel studs and nuts."**

**REPLACE WITH:**

**"Must be installed using 5/16-inch steel studs (4130 minimum), and steel or titanium nuts."**

**BRAKES & SUSPENSION: 3**

**Page 236**

**AFTER:**

**"Steel brake lines mandatory."**

**ADD:**

**"NHRA accepted fireproof brake line covering mandatory on all flexible connection lines. Contact the NHRA Tech Department for approved manufacturer(s)." Effective July 24<sup>th</sup>, 2009**

**STEERING**

**PAGE 236**

**ADD:**

**"Plating of steering components prohibited."**

**SUSPENSION**

**Page 236**

**ADD, at end of section:**

**"Plating of front suspension components prohibited."**

**BODY: 7**

**Page 240**

**WINGS & SUPPORTS**

**DELETE:**

**"All Top Fuel rear wing main elements must be positioned with a zero to positive 2-degree angle relative to the racing surface."**

**REPLACE WITH:**

**"All Top Fuel rear wing main elements must be positioned with a positive 2-degree angle maximum (no minimum) relative to the racing surface."**

**SUPPORT GROUP: 9**

**Page 240**

**ADD:**

**SHUTOFF DEVICE**

**“Properly installed and operational Electrimotion Top Fuel Safety Shutoff Controller Kit (part number SB001TF) required. The Electrimotion Top Fuel Safety Shutoff Controller Kit must be installed per the manufacturer’s instructions. Modification of or tampering with the Electrimotion Top Fuel Safety Shutoff Controller Kit prohibited.”**

#### **COMPUTER/DATA RECORDER**

##### **ADD:**

**“Data recorders permitted; must be NHRA accepted. Accepted systems: Racepak Pro II, Pro 1B, and Pro I. Data recorder may be used in conjunction with manufacturer’s digital dash display.”**

##### **ADD:**

#### **ACCIDENT DATA RECORDER**

**“Properly installed and operational Ford Accident Data Recorder (part number MS0148) required. The Ford Accident Data Recorder must be installed per the manufacturer’s instructions. Modification of or tampering with the Ford Accident Data Recorder prohibited.”**

## **GENERAL REGULATIONS**

### **Section 19**

#### **ENGINE: 1**

#### **1:6 FUEL**

#### **Page 251**

##### **DELETE:**

**“Nitromethane: Only nitromethane from an NHRA-accepted supplier may be brought on site or used on site at any NHRA Full Throttle Drag Racing Series event (“NHRA National Event”) or NHRA Lucas Oil Drag Racing Series event (“NHRA Divisional Event”). NHRA will designate accepted suppliers of nitromethane that may be brought on site and/or used on site at NHRA National Events and NHRA Divisional Events. To be eligible for competition, fuel teams must use nitromethane from one of the accepted suppliers. All nitromethane will continue to be required to contain a marker that changes color when the nitromethane has been sensitized or contaminated; no clear nitromethane will be allowed. Fuel whether in the vehicle or otherwise, as well as transporters and pit areas, will be checked for compliance with this rule as deemed appropriate by NHRA. Any participant who violates any rule regarding nitromethane shall be banned from competition at the applicable**

event, or shall be subject to such other penalty deemed appropriate by NHRA.”

**REPLACE WITH:**

“Nitromethane: Only nitromethane from an NHRA-accepted on-site supplier may be present on-site or used on-site at any NHRA Full Throttle Drag Racing Series event (“NHRA National Event”) or NHRA Lucas Oil Drag Racing Series event (“NHRA Divisional Event”). To be eligible for competition, any team using nitromethane must use nitromethane from an accepted on-site supplier. At this time the only accepted on-site supplier is VP Racing Fuels. Fuel anywhere on-site at a NHRA National Event or NHRA Divisional Event, including without limitation, in the vehicle, transporter, pit area or at the NHRA-accepted supplier’s onsite location, may be checked at any time and for any reason, including compliance with this rule and with the Nitromethane specification. Any participant who violates any rule regarding nitromethane may be banned from competition at the applicable event, and shall be subject to such other penalty deemed appropriate by NHRA.

**Specifications for Nitromethane as Used as a Fuel in the NHRA Full Throttle Drag Racing Series and in the Lucas Oil Drag Racing Series:”**

**Chemistry**

Property	Minimum	Maximum
Nitromethane	99.5%	Not applicable
Water	Not applicable	0.5%
Specific Gravity @ 60° F	1.140	1.145
Acidity as Acetic Acid	Not applicable	0.20%
Amines	Not applicable	Not allowed
Heavy Metals (Pb, Hg)	Not applicable	Not allowed
Alcohols and products consistent with the manufacturing process	Balance	Balance
Color (light yellow) clear nitromethane not allowed	Not applicable	Not applicable
Odor (typical)	Not applicable	Not applicable
Methyl tert-butyl ether	Not applicable	0.1%
Dimethyl Sulfate	Not applicable	15 ppm

**Note: All nitromethane will continue to be required to contain an active safety indicator that changes color when the nitromethane has been sensitized or contaminated.**

**Typical Physical Properties**

Molecular Weight	61.04
Boiling Point	101°C (214°F)
Critical Temperature	315°C (599°F)
Critical Pressure	62atm, 915psia, 6282kPa
Vapor Pressure	
@ 20°C/68°F	27.3 mm Hg (3.6 kPa)
@ 40°C/104°F	74.8 mm Hg (9.9 kPa)
@ 60°C/140°F	177.8 mm Hg (23.7 kPa)

<b>Density</b>	
@0°C/32°F	1.162 g/ml
@20°C/68°F	1.138 g/ml
@30°C/86°F	1.124 g/ml
@50°C/122°F	1.098 g/ml
<b>Approximate Coefficient of Expansion 1/°C (1/°F)</b>	<b>0.00122 (0.00068)</b>
<b>Solubility H<sub>2</sub>O in NM@70°C (158°F)</b>	<b>19.3% by weight</b>

**ENGINE: 1**

**1:6 NITROUS OXIDE**

**Page 251**

**Delete second sentence in third paragraph**

**REPLACE WITH:**

**"Push system permitted."**

**1:10 SUPERCHARGER**

**Page 252**

**SCREW-TYPE**

**DELETE:**

**"Use of screw-type supercharger is restricted to Top Alcohol Dragster and Top Alcohol Funny Car."**

**FRAME: 4**

**4:10 Roll Bar**

**Page 261**

**ADD:**

**All roll bars must be within 6 inches of the rear, or side, of the driver's head, extend at least three inches above the driver's helmet with driver in normal driving position or be within 1 inch of the roof/headliner in the area above the driver's helmet, and be at least as wide as the driver's shoulders or within 1 inch of the driver's door**

**4:11 ROLL CAGE**

**Page 266**

**DELETE:**

**"On unibody cars with stock floor and firewall (wheel tubs permitted), the roll cage may be bolted or welded to the floor/rocker box via 6-inch x 6-inch X .125-inch steel plates similar to the roll-bar attachment requirements of paragraph 4:10, page 214.**

**ADD:**

**"On unibody cars with stock floor and firewall (wheel tubs permitted), the roll cage may be bolted or welded to the floor/rocker box via 6-inch x 6-inch X .125-inch steel plates similar to the roll-bar attachment requirements of paragraph 4:10, page 262.**

**10:7 HELMET**

**Page 282**

**DELETE:**

**"Head sock or skirted helmet required on all supercharged cars and all cars with an automatic transmission and/or converter in the driver's compartment. Head sock or skirted helmet also required on all open-bodied cars where a neck collar is not used; i.e., where a head and neck restraint only is used."**

**10:8 NECK COLLAR/HEAD AND NECK RESTRAINT DEVICE**

**Page 283**

**Add:**

**"Neck collar meeting SFI Spec 3.3 mandatory in all open-bodied cars and any car running 9.99 (\*6.39) or quicker or cars exceeding 135 mph. A head and neck restraint device/system may be used in lieu of a neck collar."**

**10:10 PROTECTIVE CLOTHING**

**Page 283**

**ADD:**

**"An SFI 3.3 head sock or SFI 3.3 skirted helmet is required on all open-bodied cars or all cars 7.49 & quicker, where a neck collar is required but has been substituted with a head and neck restraint device. See class requirements."**