



**2021 TO 2022 NHRA RULE AMENDMENTS**  
(THESE RULE AMENDMENTS COVER RULE CHANGES MADE FROM THE  
END OF THE 2021 SEASON UNTIL THE BEGINNING OF THE 2022 SEASON)

***2022 RULE CHANGES BECOME EFFECTIVE  
JANUARY 1, 2022***

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**Note:**

All section and page numbers refer to those found in the latest version of the 2021 NHRA Rulebook Amendments.

Rulebook.Additions are [Blue underline](#)

Deletions are ~~Red strikethrough~~

**Yellow highlights** indicate the most recent updates. If a section has been updated, the date of the revision is indicated in the section title.

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**INTRODUCTION, HAVE A TECH QUESTION?, DIVISION 4 (Page iii)  
(10/1/2021)**

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**North Central Division:** Illinois, Indiana, Kentucky, Michigan, Ohio, and  
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**INTRODUCTION, NHRA JR. STREET (Page xvii) (10/1/2021)**

Helmets are mandatory for the participant and the licensed supervising adult.  
Helmet can be either an open-face or a full-face helmet meeting Snell: [M2010](#),  
M2015, M2020, [SA2010](#), SA2015, SA2020, SFI: [31.1/2010](#), 31.1/2015,  
31.1/2020, [41.1/2010](#), 41.1/2015, 41.1/2020, FIA 8860-2010, 8860-2015, 8860-  
2018 certification.

**SECTION 4A: SUPER PRO, PRO SPORTSMAN, DRIVER: 10, HELMET (Page  
8) (10/1/2021)**

For all 10.00 to 13.99 closed-bodied cars, either an open-face or a full-face Snell:  
[M2010](#), M2015, M2020, [SA2010](#), SA2015, SA2020, SFI: [31.1/2010](#), 31.1/2015,  
31.1/2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet with or without a  
shield is mandatory.

For all 10.00 and slower dune-buggy-type vehicles and all 10.00 to 13.99 open-  
bodied front-engine or rear-engine supercharged, turbocharged, nitrous, or  
naturally aspirated cars, a full-face Snell: [M2010](#), M2015, M2020, [SA2010](#),



SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited).

For all 9.99 and quicker closed-bodied cars, a full-face Snell: ~~M2010~~, M2015, M2020, ~~SA2010~~, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield permitted (goggles prohibited). For all 9.99 and quicker open-bodied front-engine or rear-engine supercharged, turbocharged, or nitrous cars, a full-face Snell: ~~SA2010~~, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited).

For all 9.99 or quicker open-bodied front-engine or rear-engine naturally aspirated cars, a full-face Snell: ~~M2010~~, M2015, M2020, ~~SA2010~~, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

#### **SECTION 4B: ADVANCED ET, DRIVER: 10, HELMET (Page 12) (10/1/2021)**

For all closed-bodied cars, a full-face Snell: ~~M2010~~, M2015, M2020, ~~SA2010~~, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield mandatory (goggles prohibited).

For all open-bodied front-engine or rear-engine supercharged, turbocharged, or nitrous cars, a full-face Snell: ~~SA2010~~, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited).

For all open-bodied naturally aspirated gasoline- or methanol-burning cars, a full-face Snell: ~~M2010~~, M2015, M2020, ~~SA2010~~, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

#### **SECTION 4C: E.T. MOTORCYCLE, RIDER: 10, HELMET (Page 15) (10/1/2021)**

Full-face Snell: ~~M2010~~, M2015, M2020, ~~SA2010~~, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield mandatory (goggles prohibited). See General Regulations 10:7.

#### **SECTION 4E: E.T. SNOWMOBILE, RIDER: 10, HELMET (Page 19) (10/1/2021)**

Full-face Snell: ~~M2010~~, M2015, M2020, ~~SA2010~~, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield mandatory (goggles prohibited). See General Regulations 10:7.

#### **SECTION 4F: ALL-TERRAIN VEHICLE, RIDER: 10, HELMET (Page 22) (10/1/2021)**

Full-face Snell: ~~M2010~~, M2015, M2020, ~~SA2010~~, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield mandatory (goggles prohibited). See General Regulations 10:7.

**SECTION 5: NHRA TOP FUEL HARLEY DRAG RACING SERIES, ENGINE:1, ENGINE (Page 1) (10/1/2021)**

Must be NHRA-accepted. Must keep design features of Harley-Davidson engines (Pushrod, 45° to 90° VTwin). Carbureted, fuel injected or supercharged single or double engines. Maximum displacement for all combinations 200 cubic inches. Minimum pushrod length ~~14~~ 9 inches. Beginning January 1, 2021, maximum displacement for normally aspirated combinations 200 cubic inches and for supercharged combinations 170 cubic inches. Pushrod aftermarket heads are permitted (including 4 valve). Crankcase and all tanks containing fluids must have vent tubes routed to catch can or have a non-spill breather system on motorcycle. Superchargers must have rubber manifold connections or some form of “sneeze” valve. Supercharger blankets are mandatory. Must have “Bellypan” scatter shield under engine. SFI Specification 46.1 approved engine restraint systems are required. A nonflammable, oil absorbent liner mandatory inside of retention device. These restraints must be replaced or recertified by the manufacturer every two (2) years. Chest protectors are mandatory.

**SECTION 5: NHRA TOP FUEL HARLEY DRAG RACING SERIES, RIDER: 10, HELMET (Page 3) (10/1/2021)**

Full-face Snell: ~~M2010~~, M2015, M2020, SA2010, SA2015, ~~SA2020~~, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield mandatory (goggles prohibited). Eject Helmet Removal System (part number SDR 890-01-30) mandatory and must be installed per manufacturer instructions. A Stand 21 Lid Lifter head sock meeting SFI 3.3 may be used in lieu of the Eject Helmet Removal System. See General Regulations 10:7

**SECTION 6: E3 SPARK PLUGS NHRA PRO MOD DRAG RACING SERIES PRESENTED BY J&A SERVICE, DRIVETRAIN: 2, TRANSMISSION (3RD Paragraph) (Page 4) (10/1/2021)**

Aftermarket converter drive units permitted. When an automatic transmission or converter drive is utilized the following items are mandatory: an SFI Spec 6.1 or 6.3 flywheel shield and an SFI Spec 29.1 or 29.2 flexplate, are mandatory. All entries utilizing a converter must be equipped with a neutral safety switch and a reverse lockout, a bolt together torque converter s must be through bolt design using minimum Grade 8 bolts, and a belly pan (see BODY:7, BELLY PAN), with locking nut. Transmission brake permitted on all converter-equipped entries; electric transbrake release system only. All entries using a torque converter must utilize a belly pan, see BODY: 7, BELLY PAN.

**SECTION 6: E3 SPARK PLUGS NHRA PRO MOD DRAG RACING SERIES PRESENTED BY J&A SERVICE, DRIVER: 10, HELMET (Page 10) (10/1/2021)**

For all cars, a full-face Snell: ~~SA2010~~, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). Eject Helmet Removal System (Part # SDR 890-01-30) mandatory and must be installed per manufacturer instructions. A Stand 21 Lid Lifter head sock meeting

SFI 3.3 may be used in lieu of the Eject Helmet Removal System. See General Regulations 10:7.

**SECTION 7A: TOP SPORTSMAN, DRIVER: 10, HELMET (Page 6) (10/1/2021)**

Full-face helmet meeting Snell: **M2010**, M2015, M2020, **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 mandatory; shield mandatory (goggles prohibited). See General Regulations 10:7.

**SECTION 7B: TOP DRAGSTER, DRIVER: 10, HELMET (Page 10) (10/1/2021)**

For all open-bodied naturally aspirated gasoline- or methanol-burning cars, a full-face Snell: **M2010**, M2015, M2020, **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 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: **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited).

**SECTION 8: SUPER STREET, DRIVER: 10, HELMET (Page 6) (10/1/2021)**

For all closed-bodied cars, an open-face or a full-face Snell: **M2010**, M2015, M2020, **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield permitted (goggles prohibited).

For all open-bodied supercharged, turbocharged, or naturally aspirated cars, a full-face Snell: **M2010**, M2015, M2020, **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

**SECTION 9: SUPER GAS, DRIVER: 10, HELMET (Page 2) (10/1/2021)**

For all closed-bodied cars, a full-face Snell: **M2010**, M2015, M2020, **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield permitted (goggles prohibited).

For all open-bodied supercharged or turbocharged cars, a full-face Snell **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited).

For all open-bodied, naturally aspirated gasoline- or methanol-burning cars, a full-face Snell: **M2010**, M2015, M2020, **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

**SECTION 11A: STOCK CARS, DESIGNATIONS, CLASS WEIGHT BREAKS (Page 1) (10/1/2021)**

**CLASS WEIGHT BREAKS**

(based on pounds per NHRA-factored horsepower)

FS/AA: 5:50 to 5:99	A: 8.00 to 8.49	O: 15.00 to 15.99
FS/A: 6.00 to 6.49	B: 8.50 to 8.99	P: 16.00 to 16.99
FS/B: 6.50 to 6.99	C: 9.00 to 9.49	Q: 17.00 to 17.99
FS/C: 7.00 to 7.49	D: 9.50 to 9.99	R: 18.00 to 18.99
FS/D: 7.50 to 7.99	E: 10.00 to 10.49	T: 19.00 to 19.99
FS/E: 8.00 to 8.49	F: 10.50 to 10.99	U: 20.00 or more
FS/F: 8.50 to 8.99	G: 11.00 to 11.49	V: 22.00 or more
FS/G: 9.00 to 9.49	H: 11.50 to 11.99	W: 24.00 or more
FS/H: 9.50 to 9.99	I: 12.00 to 12.49	AAF: 11.00 to 12.99
FS/I: 10.00 to 10.49	J: 12.50 to 12.99	AF: 13.00 to 15.99
FS/J: 10.50 to 10.99	K: 13.00 to 13.49	BF: 16.00 to <del>17.49-18.99</del>
FS/K: 11.00 to 11.49	L: 13.50 to 13.99	CF: <del>17.50 to 18.99</del> <u>19.00 to 21.99</u>
FS/L: 11.50 or more	M: 14.00 to 14.49	DF: <del>19.00</del> <u>22.00</u> to 24.99
AA: 7.50 to 7.99	N: 14.50 to 14.99	EF: 25.00 or more

**SECTION 11A: STOCK CARS, DRIVER: 10, HELMET (Page 12) (10/1/2021)**

For all 10.00 and slower cars, either an open-face or a full-face Snell: M2010, M2015, M2020, SA2010, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield permitted (goggles prohibited).

**SECTION 11B: NHRA FACTORY STOCK SHOWDOWN, ENGINE: 1, OIL SYSTEMS (New section after OIL CONTAINMENT) (Page 15) (10/1/2021)**

Dry-sump oil systems prohibited. External single-stage oil pumps permitted; no additional pump stages permitted.

**SECTION 12A: SUPER STOCK, DRIVER: 10, HELMET (Page 11) (10/1/2021)**

For all 10.00 and slower cars, either an open-face or a full-face Snell: M2010, M2015, M2020, SA2010, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield permitted (goggles prohibited).

For all 9.99 and quicker cars, a full-face Snell: M2010, M2015, M2020, SA2010, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield permitted (goggles prohibited). See General Regulations 10:7.

**SECTION 13: COMP, ENGINE: 1, CYLINDER HEADS (new section before ENGINE) (Page 1) (10/1/2021)**

The following Competition Eliminator classes have cylinder head restrictions: All Econo Dragsters (13B), I/A, IAA, K/A, K/AA, L/A, L/AA (13D) all street roadsters (13D), all Altered Trucks (13E), all Econo Alteredds (13F), and all Super Modified classes (13G). For all classes see the appropriate class requirements for any additional requirements.

The above listed classes are restricted to OEM or aftermarket cast iron or cast aluminum, generally available cylinder heads. Billet heads are prohibited. OEM heads must have OEM number cast into the head. Aftermarket heads must have manufacturer's logo and/or number cast or marked into the head. Casting

logos/numbers must be unaltered and visible. Maximum one spark plug per cylinder. All classes except G/ED, L/A, LA/A, F/EA, and H/EA are restricted to two valves per cylinder. For G/ED, L/A, LA/A, F/EA, and H/EA see the appropriate Class Designation for the number of valves permitted

Porting, polishing permitted; header plates permitted. Exhaust port plates that protrude into port prohibited except Altered Trucks. For Altered Trucks exhaust port plate permitted, may be higher than head, no wider than 1 1/2 inches, may not be recessed into port more than plate width. Any size valves permitted. Angle milling and/or rolling permitted. External modifications permitted. Combustion-chamber modifications permitted. The valve cover rail may be modified. Heads may be cut for larger pushrods and springs. Any size valves permitted. Spark plug holes may be relocated.

For those classes that require true wedge cylinder heads (with inline and parallel valves only) the valves may be tilted and/or canted  $\pm$  1.0 degrees from parallel.

For those classes listed above all other cylinder head modifications are prohibited.

### **SECTION 13: COMP, ENGINE: 1, ENGINE (Page 1) (10/1/2021)**

For Econo Dragster, Altered Truck, Econo Altered, and Super Modified classes: OEM aftermarket small-block Chevrolet (SBC) engines with bore centers greater than 4.400 inches, maximum 4.500 inches, are permitted only in A/ED, P/ST, P/STA, A/EA, A/SM, A/SMA, B/SM, B/SMA, C/SM, and C/SMA. SBC engines with bore centers greater than 4.400 inches are permitted in all V-8 Dragster and V-8 Altered classes; not permitted in any Nostalgia Dragster classes. All classes except A/A, A/AP, A/PM, AA/AM, AA/AT, BB/A, CC/A, BB/AM, BB/AT, CC/AT, DD/AT, B/A, B/AP, C/A, D/A, E/A, F/A, G/A, H/A, I/A, J/A, K/A, L/A, M/A, A/AA, B/AA, C/AA, D/AA, E/AA, F/AA, G/AA, H/AA, I/AA, J/AA, K/AA, and L/AA and M/AA are restricted to an absolute maximum bore center of 5.000 inches. Classes A/A, A/AA, A/AP, A/PM, AA/AM, AA/AT, BB/A, CC/A, BB/AM, BB/AT, CC/AT, DD/AT, B/A, B/AP, C/A, D/A, E/A, F/A, G/A, H/A, I/A, J/A, K/A, L/A, A/AA, B/AA, C/AA, D/AA, E/AA, F/AA, G/AA, H/AA, I/AA, J/AA, K/AA, and L/AA, and M/AA are restricted to an absolute maximum bore center of 5.300 inches.

### **SECTION 13: COMP, DRIVETRAIN: 2, TRANSMISSION, MANUAL (Page 3) (10/1/2021)**

Where permitted by class regulations, a manual transmission must meet the following criteria: any aftermarket planetary or clutchless manual transmission, maximum of five forward speeds. Reverse gear mandatory. Lenco drive, Quickdrive or BRT drive unit using a manual transmission behind a converter and transbrake are permitted. A manual transmission behind a converter without a transbrake is also permitted. Acceptable transbrake wiring and pneumatic schematics for the BRT drive, Lenco drive and Quickdrive units are available in the Accepted Products list on NHRARacer. com. The Lencodrive uses a

~~conventional electric transbrake system.~~ Maximum one transmission brake solenoid permitted. Automated shifters and/or timer-type shifting devices prohibited; each individual shift must be a function of the driver. Shifting must be controlled by manual or pneumatic means only (driver pulls the lever or pushes the button); electric or electronics may in no way affect the shifting mechanism. See General Regulations 2:12, 2:13, 2:14.

**SECTION 13A: GAS DRAGSTER, DESIGNATIONS (Page 5) (10/1/2021)**

A/D, A/DA, B/D, B/DA, C/D, C/DA, D/D, D/DA, E/D, E/DA, F/D, F/DA, G/D, G/DA, H/D, I/D, J/D, ~~and~~ J/DA, K/D and K/DA preceded by the car number.

**SECTION 13A: GAS DRAGSTER, DESIGNATIONS, CLASSES (add after J/DA) (Page 6) (10/1/2021)**

K/D: 4.50 or more pounds per cubic inch; inline or opposed 5- or 6-cylinder engines with with OEM generally available cylinder heads only 4.40 or more pounds per cubic inch; inline or opposed 5- or 6-cylinder engines with stock production heads

K/DA: 4.50 or more pounds per cubic inch; inline or opposed 5- or 6-cylinder engines, with OEM generally available cylinder heads only, automatic transmission with converter only

4.40 or more pounds per cubic inch; inline or opposed 5- or 6-cylinder engines with stock production heads, automatic transmission with converter only.

**SECTION 13A: GAS DRAGSTER, ENGINE: 1, CYLINDER HEADS (Page 11) (10/1/2021)**

Any type 2-valve head permitted in A/D, A/DA, B/D, B/DA, D/D, D/DA, E/D (see CLASSES), and G/D. Any type 2- or 4-valve head permitted in F/D (see CLASSES), H/D, and I/D. H/D and I/D, billet head prohibited. Any type 4-valve head permitted in J/D. Class C/D and C/DA restricted to true wedge cylinder heads (with inline and parallel valves) only. For K/D and K/DA see CLASSES on previous page.

**SECTION 13A: GAS DRAGSTER, DRIVETRAIN: 2, TRANSMISSION, AUTOMATIC (Page 7) (10/1/2021)**

Permitted in A/DA, B/DA, C/DA, D/DA, E/DA, F/DA, G/DA, H/D, I/D, ~~and~~ J/DA, ~~and~~ K/DA. See Section ~~42~~ 13, Transmission, Automatic, for details.

**SECTION 13A: GAS DRAGSTER, DRIVETRAIN: 2, TRANSMISSION, MANUAL (Page 8) (10/1/2021)**

Permitted in A/D, B/D, C/D, D/D, E/D, F/D, G/D, H/D, I/D, ~~and~~ J/D, ~~and~~ K/D. See Section ~~42~~ 13, Transmission, Manual, for details.

**SECTION 13A: GAS DRAGSTER, DRIVER: 10, HELMET (Page 9) (10/1/2021)**

For all turbocharged and/or methanol-burning cars, a full-face Snell: SA2010, SA2015, SA2020, or FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited).

For all naturally aspirated gasoline-burning cars, a full-face Snell: M2010, M2015, M2020, SA2010, SA2015, SA2020, or FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

**SECTION 13B: ECONO DRAGSTER, ENGINE: 1, CYLINDER HEADS (Page 11) (10/1/2021)**

~~See CYLINDER HEADS Comp Section 13. All heads must be NHRA-accepted, two valves per cylinder, OEM casting (no billet) except as noted in G/ED. Heads must have OEM number cast into head.~~ A/ED: hemi, canted/splayed valve, or wedge head permitted. B/ED and C/ED: true wedge cylinder heads (with inline and parallel valves) only. ~~Porting, polishing permitted; header plates permitted. Exhaust port plates that protrude into port prohibited. Any size valves permitted; valves may be tilted and/or canted. Angle milling and/or rolling permitted. External modifications permitted. Combustion chamber modifications permitted. The valve cover rail may be modified. Heads may be cut for larger pushrods and springs. Spark plug holes must be in NHRA-approved location.~~ Siamese-configured cylinder heads are prohibited in E/ED and G/ED.

**SECTION 13B: ECONO DRAGSTER, DRIVETRAIN: 2, TRANSMISSION, AUTOMATIC (Page 11) (10/1/2021)**

Permitted. See Section 42 13, Transmission, Automatic, for details.

**SECTION 13B: ECONO DRAGSTER, DRIVER: 10, HELMET (Page 13) (10/1/2021)**

For all cars, a full-face Snell: M2010, M2015, M2020, SA2010, SA2015, SA2020, or FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

**SECTION 13C: NOSTALGIA DRAGSTER, ENGINE: 1, DESIGNATIONS, CLASSES (Page 14) (10/1/2021)**

A/ND - 3.50 pounds per cubic inch, 1,300 pounds minimum weight. Limited to OEM cast-iron Hemi, Chevy or OEM Ford cylinder head. Cast OEM or aftermarket aluminum cylinder heads permitted with an additional 0.15 pound per cubic inch weight.

B/ND - 3.50 pounds per cubic inch, 1,300 pounds minimum weight. Limited to OEM cast-iron Hemi, 23-degree small block Chevy true wedge, or OEM Ford cylinder head. Cast OEM or aftermarket generally available aluminum cylinder heads permitted with an additional 0.15 pound per cubic inch weight.

**SECTION 13C: NOSTALGIA DRAGSTER, ENGINE: 1, CYLINDER HEAD (Page 14) (10/1/2021)**

For B/ND, cylinder head must be NHRA accepted; valves may be tilted +/- maximum 3 degrees by angle milling the cylinder head only.

**SECTION 13C: NOSTALGIA DRAGSTER, ENGINE: 1, ENGINE (Page 14) (10/1/2021)**

One internal-combustion, reciprocating, automobile-type V-8 engine permitted. Cast-iron block mandatory. Aluminum heads prohibited. Maximum 430 cid. No collector-style headers allowed. Dry sumps and evacuation system permitted. See General Regulations 1:2.

**SECTION 13C: NOSTALGIA DRAGSTER, DRIVETRAIN: 2, TRANSMISSION, AUTOMATIC (Page 15) (10/1/2021)**

Permitted. Maximum two forward speeds. Automated, electric, or pneumatic shifter prohibited. See Section ~~12~~ 13, Transmission, Automatic, for details.

**SECTION 13C: NOSTALGIA DRAGSTER, DRIVER: 10, HELMET (Page 16) (10/1/2021)**

For all cars, a full-face Snell: M2010, M2015, M2020, SA2010, SA2015, SA2020, or FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

**SECTION 13D: ALTERED AND STREET ROADSTER, DESIGNATIONS (Page 16) (10/1/2021)**

AA/AM, AA/AT, BB/A, CC/A, BB/AM, BB/AT, CC/AT, DD/AT, A/A, A/AP, B/A, B/AP, C/A, D/A, E/A, F/A, G/A, H/A, I/A, J/A, K/A, L/A, M/A, A/AA, B/AA, C/AA, D/AA, E/AA, F/AA, G/AA, H/AA, I/AA, J/AA, K/AA, L/AA, M/AA, AA/AF, and BB/AF, preceded by car number.

**SECTION 13D: ALTERED AND STREET ROADSTER, DESIGNATIONS, CLASSES (add after L/A) S (Page 17) (10/1/2021)**

M/A: 5.50 or more pounds per cubic inch. Inline or opposed 5- or 6-cylinder engines only; with OEM generally available cylinder heads only; 1,400-pound minimum

**SECTION 13D: ALTERED AND STREET ROADSTER, DESIGNATIONS, CLASSES (after BB/AF) S (Page 18) (10/1/2021)**

Classes A/A through L/A M/A are manual transmission only. Classes A/AA through L/AA M/AA are automatic transmission only, utilize corresponding manual-transmission class displacements and minimum weights. A/AP and B/AP reserved for planetary-type transmission with torque converter.



**SECTION 13D: ALTERED AND STREET ROADSTERS, ENGINE: 1, CYLINDER HEADS, ALTEREDs (Page 18) (10/1/2021)**

Any type 2-valve head permitted in A through D, F through H, J, A/AP, B/AP, and CC/A. E is restricted to true wedge cylinder heads (with inline and parallel valves) only. For I, K, and L see CYLINDER HEADS Comp Section 13. ~~I, K, and L are restricted to OEM generally available, NHRA-accepted heads. I and K are also restricted to 2-valve cylinder heads; L may be 2-valve or 4-valve.~~ CC/AT and DD/AT are restricted to 4-valve cylinder heads only. AA/AF and BB/AF are restricted to OEM production (assembly line) 4-valve cast cylinder heads only. For all other classes, any cylinder-head configuration is permitted.

**SECTION 13D: ALTERED AND STREET ROADSTER, ENGINE: 1, CYLINDER HEADS, STREET ROADSTERS (Page 18) (10/1/2021)**

See CYLINDER HEADS Comp Section 13. ~~All heads must be NHRA-accepted, two valves per cylinder, OEM casting (no billet) with OEM number cast into head.~~ Hemi, canted/splayed valve, or wedge head permitted.

~~Porting, polishing permitted; header plates permitted. Exhaust port plates that protrude into port prohibited. Any size valves permitted, valves may be tilted and/or canted. Angle milling and/or rolling p ermitted. External modifications permitted in port area. Combustion-chamber modifications permitted. The valve cover rail may be modified. Heads may be cut for larger pushrods and springs. Spark plug holes must be in NHR-approved location.~~

**SECTION 13D: ALTERED AND STREET ROADSTER, DRIVETRAIN: 2, TRANSMISSION, AUTOMATIC (Page 21) (10/1/2021)**

Permitted in AA/AM, AA/AT, BB/A, CC/A, BB/AM, BB/AT, CC/AT, DD/AT, A/AA through ~~L/AA~~ M/AA, AA/AF, BB/AF, B/SR, and C/SR. Cars with fully automatic transmissions with converter in A/AA may be 100 pounds under calculated class weight; classes B/AA through I/AA may be 250 pounds under calculated class weight; J/AA through ~~L/AA~~ M/AA may be 150 pounds under calculated class weight. CC/A with fully automatic transmission may deduct 225 pounds; Lenco-drive-type transmission may deduct 150 pounds (for CC/A only). CC/A may be under posted minimum weight, maximum 50 pounds. Except as noted above (for CC/A only), at no time, regardless of transmission, may a vehicle be under the minimum weight as stipulated under class designations. See Section ~~12~~ 13, Transmission, Automatic, for details.

**SECTION 13D: ALTERED AND STREET ROADSTER, DRIVETRAIN: 2, TRANSMISSION, MANUAL (Page 21) (10/1/2021)**

Permitted in AA/AM, AA/AT, BB/A, CC/A, BB/AM, BB/AT, CC/AT, DD/AT, A/A through ~~L/A~~ M/A, AA/AF, BB/AF, and A/SR. Classes A/AP and B/AP limited to planetary transmission with a maximum three forward speeds only. See Section ~~12~~ 13, Transmission, Manual, for details.

**SECTION 13D: ALTERED AND STREET ROADSTER, FRAME: 4, ROLL CAGE (Page 21) (10/1/2021)**

Mandatory. All chassis must meet the following SFI Spec: AA/M through G/A, B/AA through G/AA, I/A through K/A, M/A, and I/AA through K/AA, M/AA must meet SFI Spec 25.1, 25.2, 25.3, 25.4, or 25.5 as applicable; open-bodied cars must meet SFI Spec 10.1, 10.2, 10.3, or 10.4 as applicable. All others must conform to the SFI Spec for the body style used. See General Regulations 4:4, 4:11, 10:6.

**SECTION 13D: ALTERED & STREET ROADSTER, DRIVER: 10, HELMET (Page 25) (10/1/2021)**

For all cars, a full-face Snell: M2010, M2015, M2020, SA2010, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

For all front-engine, open-bodied, supercharged or turbocharged cars, a full-face Snell: SA2010, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited).

For all open-bodied naturally aspirated cars, a full-face Snell: M2010, M2015, M2020, SA2010, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

**SECTION 13E: ALTERED TRUCK, ENGINE: 1, CYLINDER HEADS (Page 27) (10/1/2021)**

~~See CYLINDER HEADS Comp Section 13. Must be OEM, generally available, and NHRA-accepted, with OEM part/casting number cast into head. Cylinder head must be available as a finished piece with valve guides and valve seats installed. Any valve configuration or size permitted. As-produced valve cover mounting surface required and as-produced head height (thickness) may not be exceeded. Ports may be raised. Exhaust port plate permitted, may be higher than head, no wider than 1 1/2 inches, may not be recessed into port more than plate width. Intake port plate prohibited. Maximum two valves per cylinder, maximum one spark plug per cylinder.~~

**SECTION 13E: ALTERED TRUCK, DRIVETRAIN: 2, TRANSMISSION, AUTOMATIC (Page 28) (10/1/2021)**

Permitted in PS/TA, B/TA, and C/TA. See Section 42 13, Transmission, Automatic, for details.

**SECTION 13E: ALTERED TRUCK, DRIVETRAIN: 2, TRANSMISSION, MANUAL (Page 28) (10/1/2021)**

Permitted in PST, B/T, and C/T. See Section 42 13, Transmission, Manual, for details.

**SECTION 13E: ALTERED TRUCK, DRIVER: 10, HELMET (Page 31)  
(10/1/2021)**

For all trucks, a full-face Snell: **M2010**, M2015, M2020, **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

**SECTION 13F: ECONO ALTERED, ENGINE: 1, CYLINDER HEADS (Page 31)  
(10/1/2021)**

See CYLINDER HEADS Comp Section 13. All heads must be NHRA-accepted, two valves per cylinder OEM casting (no billet) with OEM number cast into head, except as noted in F/EA and H/EA. A/EA: hemi, canted/splayed valve, or wedge head permitted. B/EA: canted/splayed valve or wedge head permitted. C/EA: true wedge cylinder heads (with inline and parallel valves) only. **Porting, polishing permitted; header plates permitted. Exhaust port plates that protrude into port prohibited. Any size valves permitted, valves may be tilted and/or canted. Angle milling and/or rolling permitted. External modifications permitted. Combustion-chamber modifications permitted. The valve cover rail may be modified. Heads may be cut for larger pushrods and springs. Spark plug holes must be in NHRA-approved location.** Siamese-configured cylinder heads are prohibited in E/EA and G/EA.

**SECTION 13F: ECONO ALTERED, DRIVETRAIN: 2, TRANSMISSION, AUTOMATIC (Page 33) (10/1/2021)**

Permitted. See Section **42 13**, Transmission, Automatic, for details.

**SECTION 13F: ECONO ALTERED, DRIVER: 10, HELMET (Page 36)  
(10/1/2021)**

For all closed-bodied cars, a full-face Snell: **M2010**, M2015, M2020, **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield mandatory in cars 7.49 seconds or quicker (goggles prohibited).

For all open-bodied cars, a full-face Snell: **M2010**, M2015, M2020, **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

**SECTION 13G: SUPER MODIFIED, DESIGNATIONS (Page 37) (10/1/2021)**

A/SM, B/SM, C/SM, D/SM, E/SM, F/SM, G/SM, H/SM, I/SM, A/SMA, B/SMA, C/SMA, D/SMA, E/SMA, F/SMA, G/SMA, H/ SMA, and I/SMA, preceded by car number.

No other modifications permitted in Super Modified unless outlined within the section. Classes of competition within Super Modified are for naturally aspirated, 1967 or later automotive-production 2-door sedan or hardtop passenger cars and 1990 or later factory production 2-door pickup trucks, 1/2-ton or smaller (Sport Utility; Blazer, Explorer, Cherokee, etc. prohibited.) of which 500 units must have been built and are showroom available. Front-wheel-

drive conversions permitted. Class determined by total **car vehicle** weight (including driver) divided by total engine displacement (cubic inches).

**SECTION 13G: SUPER MODIFIED, DESIGNATIONS, CLASSES, E/SM (Page 37) (10/1/2021)**

E/SM: 9.50 to 10.49 pounds per cubic inch. Wedge or **splayed/canted-** valve cylinder heads, maximum 366 cubic inches; V-8 only; 2,750-pound minimum

**SECTION 13G: SUPER MODIFIED, ENGINE: 1, CYLINDER HEADS (Page 38) (10/1/2021)**

~~See CYLINDER HEADS Comp Section 13. Cylinder heads must be NHRA-accepted, two valves per cylinder. Aftermarket aluminum cylinder heads permitted (no billet). Hemi, canted/splayed valve, or wedge head permitted in A through C, **E**, and I. Classes D, F, G, and H restricted to true wedge cylinder heads (with inline and parallel valves) only. Porting, polishing permitted; header plates permitted. Exhaust port plates that protrude into port prohibited. Any size valves permitted, valves may be tilted and/or canted. Angle milling and/or rolling permitted. External modifications permitted. Combustion chamber modifications permitted. The valve cover rail may be modified. Heads may be cut for larger pushrods and springs. Spark plug holes must be in NHRA-accepted location.~~

**SECTION 13G: SUPER MODIFIED, DRIVETRAIN: 2, TRANSMISSION, AUTOMATIC (Page 39) (10/1/2021)**

Permitted in A/SMA, B/SMA, C/SMA, D/SMA, E/SMA, F/SMA, G/SMA, H/SMA, and I/SMA. Cars with automatic transmissions may remove 250 pounds from regular class weight. In no case may vehicle weigh less than the posted minimum weight for the class. See General Regulations 2:14. See Section **12 13**, Transmission, Automatic, for details.

**SECTION 13G: SUPER MODIFIED, DRIVETRAIN: 2, TRANSMISSION, MANUAL (Page 39) (10/1/2021)**

Permitted in A/SM, B/SM, C/SM, D/SM, E/SM, F/SM, G/SM, H/SM, and I/SM. See Section **12 13**, Transmission, Manual, for details.

**SECTION 13G: SUPER MODIFIED, DRIVER: 10, HELMET (Page 44) (10/1/2021)**

For all cars, a full-face Snell: **M2010**, M2015, M2020, **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). See General Regulations 10:7.

**SECTION 14: TOP ALCOHOL DRAGSTER, DRIVER: 10, HELMET (Page 11) (10/1/2021)**

For all cars, a full-face Snell: **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet and shield mandatory (goggles prohibited). Eject Helmet Removal System (part number SDR 890-01-30) mandatory and must be

installed per manufacturer instructions. A Stand 21 Lid Lifter head sock meeting SFI 3.3 may be used in lieu of the Eject Helmet Removal System. See General Regulations 10:7.

**SECTION 16: PRO STOCK MOTORCYCLE, DRIVER: 10, HELMET (Page 6) (10/1/2021)**

Full-face Snell: **M2010**, M2015, M2020, **SA2010**, SA2015, A2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet with shield mandatory (goggles prohibited). Eject Helmet Removal System (part number SDR 890-01-30) mandatory and must be installed per manufacturer instructions. A Stand 21 Lid Lifter head sock meeting SFI 3.3 may be used in lieu of the Eject Helmet Removal System. See General Regulations 10:7.

**SECTION 17: PRO STOCK, INTERIOR: 6, WINDOW NET (Page 8) (10/1/2021)**

Window net meeting SFI Spec 27.1 mandatory. Window nets must be either ribbon or mesh type. No solid material type. Window net system must be NHRA-accepted. See NHRA Accepted Products on NHRARacer.com for a list of accepted window net systems. **2** Mechanism for release must have red label and in visible sight for track officials to use externally. See General Regulations 6:3.

**SECTION 17: PRO STOCK, DRIVER: 10, HELMET (Page 12) (10/1/2021)**

Full-face helmet meeting Snell: **M2010**, M2015, M2020, **SA2010**, SA2015 SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 mandatory; shield mandatory (goggles prohibited). Eject Helmet Removal System (part number SDR 890-01-30) mandatory and must be installed per manufacturer instructions. A Stand 21 Lid Lifter head sock meeting SFI 3.3 may be used in lieu of the Eject Helmet Removal System. See General Regulations 10:7.

**SECTION 18: FUNNY CAR, DRIVER: 10, HELMET (Page 12) (10/1/2021)**

Full-face helmet meeting Snell: **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 with shield mandatory. Eject Helmet Removal System (part number SDR 890-01-30) mandatory and must be installed per manufacturer instructions. A Stand 21 Lid Lifter head sock meeting SFI 3.3 may be used in lieu of the Eject Helmet Removal System. Utilizing a helmet chin strap is mandatory. See General Regulations 10:7.

**SECTION 19: TOP FUEL DRAGSTER, BODY: 7, WINGS AND SUPPORTS (4<sup>TH</sup> Paragraph) (Page 12) (10/1/2021)**

Top Fuel rear wing main element limited to a maximum positive **2 1**-degree angle and a minimum negative 2-degree angle relative to the racing surface. The only exception is in Denver where there is no maximum. Rear wing must remain unaltered from manufacturer's specs.

**SECTION 19: TOP FUEL DRAGSTER, DRIVER: 10, HELMET (Page 12)  
(10/1/2021)**

Full-face helmet meeting Snell: **SA2010**, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 with shield mandatory. Eject Helmet Removal System (part number SDR 890-01- 30) mandatory and must be installed per manufacturer instructions. A Stand 21 Lid Lifter head sock meeting SFI 3.3 may be used in lieu of the Eject Helmet Removal System. Utilizing a helmet chin strap is mandatory. See General Regulations 10:7

**SECTION 21: GENERAL REGULATIONS, BRAKES AND SUSPENSION: 9, 3:3 STEERING (Page 17) (10/1/2021) (10/5/2021)**

Each car's steering system must be secure and free of defects. All butt-welded parts must have additional visible reinforcement. Only conventional automotive steering systems are permitted; flexible steering shafts prohibited. Rear-wheel steering prohibited, unless vehicle was originally manufactured with an OEM system. An OEM system may not be modified, altered, or used in any manner inconsistent with manufacturer's specifications. All rod ends must be a minimum of 3/8-inch shank diameter and must be installed with flat washers of sufficient outside diameter to prevent bearing pullout. All steering boxes, sectors, and shafts must be mounted to the frame or suitable crossmember and cannot be mounted in any case to the bellhousing and/or bellhousing adapter shield, or motor plate. A secondary steering shaft stop must be installed to prevent long steering shaft from injuring driver in case of frontal impact (i.e., collar or U-joint pinned at crossmember, bracket, etc.). Commercially available quick-disconnect steering wheels permitted (except as noted in Class Requirements). Adapter must be welded to shaft. All fasteners must be of a positive nature; no roll or pressed pins, no ball-lock pins, set screws, etc. NHRA-accepted swing-away steering column permitted with removable steering wheel. Except as noted in class requirements, minimum steering wheel diameter 11 inches; center steer vehicles may use butterfly type steering wheel and are exempt from 11 inch minimum steering wheel diameter requirement.

**SECTION 21: GENERAL REGULATIONS, DRIVER:10, 10:4 HELMET (Page 46) (10/1/2021)**

As outlined under Class Requirements, drivers in all classes, including motorcycles, must wear a helmet meeting Snell or SFI Specifications.

Full-face helmet mandatory on all cars 9.99 or quicker. See individual Class Requirements for additional requirements. Shield mandatory 7.49 and quicker.

**NHRA Helmet Expiration Dates**

<b>Label</b>	<b>Expires</b>	<b>Label</b>	<b>Expires</b>
<b>Snell 2010</b>	<b>1/1/2022</b>	SFI 24.1/2015 (JDRL only)	1/1/2027
Snell 2015	1/1/2027	SFI 24.1/2020 (JDRL only)	1/1/2032
Snell 2020	1/1/2032	Snell CMR 2016 (JDRL only)	1/1/2028
<b>SFI 31.1 and 41.1/2010</b>	<b>1/1/2022</b>	FIA 8860-2010	1/1/2028

SFI 31.1 and 41.1/2015	1/1/2027	FIA 8860-2015	1/1/2033
SFI 31.1 and 41.1/2020	1/1/2032	FIA 8860-2018	1/1/2036
<b>SFI 24.1/2010 (JDRL only) 1/1/2022</b>			

Structural modifications to helmet/shield are prohibited. Cutting of helmet or helmet shield prohibited. Helmet must remain as manufactured, except for paint scheme/graphics and permitted non-structural driver modifications to helmet shield as set forth below. Taping or similar modifications to the helmet shield made by the driver that reduce the driver’s field of vision, and are deemed safe by driver in the driver’s judgment, are permitted at this time so long as the driver can demonstrate to technical inspectors that the purpose of the modification is to reduce distraction in the driver’s field of vision. By using such a modification to the helmet shield, the driver acknowledges and agrees that the driver deems such modification safe in the driver’s judgment consistent with the driver’s obligations in Section 1, Participant Agreements and Administrative and Procedural Rules, set forth above, and that the modification does not impair or interfere with the safe operation of the driver’s vehicle. See General Regulations 7:8.

**SECTION 22: CHARTS AND FORMULAS, SFI SPECIFICATIONS (Page 8)**  
**(10/1/2021)**

<b>SFI SPEC</b>	<b>DESCRIPTION</b>	<b>EXPIRATION PERIOD</b>
29.1	Automatic Transmission Flexplate	3 years
<u>29.2</u>	<u>High Horsepower Automatic Transmission Flexplates</u>	<u>3 years</u>