

2024 Swift County Demolition Derby

GENERAL RULES FOR ALL CLASSES

PLEASE READ RULES WELL, CHANGES HAVE BEEN MADE!

For questions call/text:

General, Compact, Mini Van, MODs: Tyler (320) 297-0536

General, 80s & Newer Pro & Semi Stock Chain: Dominic (320) 760-5648

1. Drivers must be at least 16 years of age and have a driver's license. The exception to this rule is in the Chain Class where 15 year old's can also run. Driver's ages 15, 16 and 17 must pre-register and send a **notarized** release form.
2. Driver may use a max. of two pitcrew per car, extra pitcrew \$25.00 each.
3. Everyone entering the event area is required to sign their own name on the entrance waiver before entering the pits. **No one under the age of 16 is permitted in the pit area (exception being rule #1).**
4. Entries will be accepted up to ONE hour prior to race time. You must be in the inspection line no later than ONE hour prior to race time. Late entries will be accepted up to 30 mins prior to race time, with a \$50 penalty. Entries later than 30 mins to race time won't be accepted.
5. Drivers must wear seat belt and full-face helmet along with eye protection at all times while operating vehicle.
6. Drivers and pitcrew must attend the pit meeting 15 mins before race time.
7. No driver or pitcrew thought to be under the influence of alcohol or drugs will be allowed to participate, enter or remain in exhibition area. No alcohol in pit area before or during event! Violation will result in disqualification and forfeiture of entry fees.
8. No hot rodding in the pits. Keep it at an idle.
9. Fire extinguisher required in pits.
10. Drivers will have 1 minute to make a legal, metal-bending hit. If your car dies you will be given 1 minute for restarts, then 30 seconds to make a hit.
11. Any open door or fire will cause disqualification for that heat.
12. **Any vehicle thought to be unsafe will be disqualified for that heat.**
13. No E/Caminos, convertibles, hearses, limos, etc. No re-stubbing frames.
14. **Sandbagging and team-driving are not tolerated, and will be strictly enforced. This is your warning.**
15. **No intentional hitting of drivers door, or you're disqualified. Don't use your door as a shield. Officials will decide if it's accidental or carelessness. If dq'ed in a heat, you may not compete in consi/feature.**
16. **We will be unhooking cars that are hung-up in the FEATURES ONLY.**
17. Any questions or controversies will be discussed at the pit meeting.
18. Only the driver may speak with any questions or controversies (no pitcrew).
19. All official's decisions are final.

20. ALL CLASSES MAY RUN HEATS DEPENDING ON TURNOUT, COME PREPARED.

21. **Yelling at, use of profanity toward, or interrupting an official will result in you being escorted from the event area. This includes your pitcrew. Your entry fees/winnings will be forfeited and it will be the officials call if you're allowed to compete next year.**

GENERAL DEMO UNIT PREPARATION FOR ALL CLASSES

THESE ARE THE 2024 SWIFT COUNTY DEMO DERBY RULES. THERE WILL BE NO FURTHER AMENDMENTS OR ADDITIONS TO THESE RULES VIA SOCIAL MEDIA, WORD OF MOUTH, ETC. All rules are at the official's discretion. Because we offer such a variety of classes, some general rules are overlapped in the class-specific rules. To make the rules as simple as possible: 1.) Class-specific rules trump the general rules. 2.) If it's not addressed in your class-specific rules, the general rules are to be followed. 3.) If it isn't addressed anywhere in the rules, assume that you can't do it. Any questions, please call first.

BODY, FRAME, WHEELS

1. No welding anywhere other than allowed in the rules.
2. No added weight to the vehicle. No plating, pinning, buffing, grinding, or packing any part of the car.
3. **No painting, undercoating, added grease/oil on frame. You will not even be inspected.**
4. Absolutely no frame or body alteration or reinforcement of any kind, other than allowed in the rules.
5. All outside hardware (door handles, chrome, moldings, mirrors, etc.) must be removed. All glass must be removed completely, none in bottom of doors.
6. You must have at least a 15"X15" roof sign with your number on it, and on both doors. Roof sign cannot be attached to halo. One sign per car except 2-man extreme.
7. All trailer hitches and braces must be removed.
8. Wheel centers allowed. Trucks using split rims must add at least eight 1" welds to ring. No bead-locks or screws through the rim.
9. Wheel weights must be removed so they don't fly off.
10. Tires must be filled with air only. No solid or studded tires. Valve stem protectors allowed.
11. You may tuck/prebend/notch/sedagon the rear of your car. Must remain safe.
12. No added bolts, screws, or body mounts, other than allowed in rules.

13. Body mounts may be removed, and replaced with no larger than 3/4" dia. 6" long with 4" max. washers. 1" space must be between body and frame. **Except in 80s and Newer Semi Stock Chain.**

14. Interior body seams and window openings may be welded in **compacts & modified cars.**

15. Body panel shaping allowed in all classes except chain stock. Trunks must be a minimum of 6" from floor pan. Panels may not be doubled over and welded.

16. Body and frame rust patching is allowed, at official's discretion. Call first and take pictures. You must leave the rusted panel intact, so it can be seen with a scope. The repair panel must be no thicker than the panel being repaired. Leave a spot unwelded to show thickness. May go 2" past the damage. Don't abuse this rule, or you'll cut! Call with questions.

17. Frame patching is allowed only on bent cars that **need** it (officials discretion). 4 patches total in front, 4 patches total in rear (a total of 8 pieces of metal used for entire car). No bigger than 4"x4", no thicker than the original frame rail. **Must be able to prove bend.** Leave a spot un-welded to prove thickness.

18. Drivers door may be welded solid. May be reinforced, but no further than 6" beyond the door seams.

19. All other doors must be secured shut in the way allowed per class.

20. You may bolt inner and outer fenders together. Max. of 5 bolts per fender.

21. You may add up to 16 bolts or self-tapping screws to the hood and trunk. Max. of 3/8" bolts with 1" washers.

22. Must have holes in hood for fires.

23. Must be able to see inside of trunk.

24. Must be able to open hood for inspection.

WINDOWS

1. Windshield **MUST** have two straps, bars, or chains from the roof to the cowl to protect driver. Can only overlap cowl and roof 3". Must be 3" from any cradle, brace, cage material or crossover piece to tie two together if running a DP.

2. Window grate allowed on driver side only.

3. Cars with no posts may weld a 4" wide, 1/4" thick strap from roof to door.

4. One rear window bar is allowed in all classes except chain stock. Max. of one 3"x 3/8" flat or C-channel or 2"x2"x1/4" tubing. 6"x6" max. endplates. Must be 12" from any cage component. (Halo, tank protector, etc.) Must be vertical, no more than 6" onto trunk lid. Not allowed on hatchbacks or wagons.

5. All classes except chain stock, you may wire windows in 3 places per window opening. Must remain within that window. Wire may go from a window to the frame in no more than 6 places. Washers may be welded in place to support the wire, 2" max. Welded to sheetmetal only, not frame.

POWERTRAIN

1. Any powertrain may be used in any car, but the motor **MUST** be within 2" of the original motor. **NO SETTING BACK OR RELOCATING MOTOR!!**

2. Home-made driveshafts allowed.

3. Motor mounts may be chained or welded, but must not reinforce frame in any way.

4. You may use headers and floor shifters.
5. Differentials may be welded for posi.
6. Must have at least 2 working brakes.
7. You must have an air cleaner on at all times.
8. Radiator and fan may be removed, but not relocated to another part of the car. May use electric fans. No adding to the cooling system in any way. No home-made radiators or radi-barrels except where allowed in class-specific rules.
9. Mid-plates, distributor protectors, carb protectors, and steel bellhousings/steel tailshafts are allowed in Full-Size MOD class.

SUSPENSION

1. Suspensions must be completely original, other than allowed in the class rules.
2. No coil-over shocks, no altering shocks in any way.
3. Max. of 4 leaf spring clamps total per side (including factory clamps). 4"x4", 1/4" thick max.
4. You may chain rear-end humps with one loop of 3/8" max. chain per side.
5. Coil springs may be chained or wired in place.

BUMPERS AND BUMPER BRACKETS

1. Bumpers and bumper shocks must remain completely stock, other than allowed in rules.
2. **Full-Size Mod, Compact, and 80s Hybrid Pro** may stuff bumpers, or be homemade from a straight piece of 8"x8" max with a 4" point spread over 32". Don't abuse this rule, call with questions.
3. Classes that aren't allowed to stuff bumpers must have a 2" inspection hole in ends.
4. Two bumper shocks or brackets for the front, two for the rear. (No doubled brackets)
5. **Minimum rear bumper height for all classes is 16" to the bottom if quarter panels/box sides are vertical, and 22" to the bottom if the quarter panels/box sides are not vertical. Maximum height is 30" to the top.**

INSIDE OF CAR

1. Driver's seat must be securely mounted to the floor. If you're using bolts, they may not go through the frame.
2. May use home-made steering columns.
3. Transmission coolers allowed up to a reasonable size. If not left in stock location, they must be secured safely inside a container in the passenger compartment of the car. Must use transmission cooler hose or hydraulic hose (no fuel or low-pressure hose).
4. All flammable materials, except what's needed for driver's safety, must be removed.
5. Batteries must be relocated to pass. floor. They must be mounted and covered securely. Max. of two batteries.
6. Holes in the firewall must be covered well.
7. Spreader bars must be no larger than 6" diameter. 8"x8" max endplates. One in dash, one behind driver's seat- no further than 18" behind driver seat. Dash bar must be at least 10" away from engine and transmission components. May connect the two, to form

a 4-point cage. May use 4 down bars to SHEETMETAL ONLY, NOT FRAME. Must be vertical, not angled.

8. Halo bars allowed and recommended. May not be angled backward, no kickers allowed, and attached to the spreader bars only. **MUST NOT ATTACH TO FRAME!**

9. Gas tank protectors allowed must be welded to the back of the spreader bar only, 6" max. pipe/tubing must be free floating and 3" min. from floor and 3" from back seat metal, max, size 24"x24"x6".

FUEL SYSTEM:

1. Fuel tank must be located in back seat area.

2. Must be very securely mounted and covered.

3. No plastic fuel tanks allowed. Boat tanks or well-made fuel cells only. No relocating original tanks to inside of car. No fuel tanks larger than 10 gal.

4. Original fuel tanks must be removed.

5. Fuel lines must run inside of car, not under or along frame.

6. Fuel lines must be secure, and kept away from sharp/hot areas.

7. High-pressure fuel-injected cars must use adequate fuel line for the pressure.

8. Electric fuel-pump vehicles must have an emergency shut-off that is easy to locate in case of fire. Use fluorescent tape or paint.

CLASS-SPECIFIC RULES:

Full-Size MOD Class- Any standard passenger car, Imperials and Imp. subframes allowed. '03 and up Fords may swap front suspension. **You may plate your frame with 1/4" max. thickness plate. (Top, bottom, and sides). Doors/body panels may be skinned, but MUST contour factory panel, to appear stock to the crowd.**

Officials discretion, call with questions.

1. ALL SAFETY RULES IN THE GENERAL RULES APPLY.

2. Vehicles must look like a normal derby car from 10 feet away. No protruding cage, boxcar-looking, jungle-gym cars.

3. Bumpers must meet specs in general rules.

4. All builds are subject to official's discretion.

5. Call with questions.

Compact Class- May be up to 111" for FWD cars, 107" for RWD cars. 6 cyl. and less only, no V-8s. Leave VIN tag intact to verify wheelbase.

1. ALL GENERAL RULES APPLY, WITH THESE EXCEPTIONS.

2. All parts must be of compact origin, except bumpers and rims.

3. Door and trunk seams may be chained, wired, or welded shut, 5" max weld, 5" min gap, 3" wide material max.

4. Frame and body seams may be welded, single pass only, no added metal.

5. K-frames may be welded to uni-body, no added metal.
6. Factory tie rods may be reinforced, not homemade. Aftermarket ball joints allowed.
7. A-arms and struts may be bolted or welded with two 2" straps per side. May not reinforce frame. Struts must appear OEM.
8. **Engine cradles, midplates, and tranny braces allowed on RWD cars only. No extreme setups, must be 10" from cage.**
9. **Distributor protectors, and carb protectors are allowed on both FWD and RWD.** Cannot strengthen car, must be 14" from cage and cannot come into contact with any cage component before or during event.
10. Compact rear differentials only, may be braced. Max of 7 leafs per side, factory step-down and thickness. No leaf conversions.
11. Bumpers- see general rules.
12. If you don't use a factory compact bumper shock, you may use a square or round pipe with max. dimensions of: 3.5"x3.5", 16" long **OR 6"x16"x1/2" thick flat stock as a bracket. Cannot be welded to the K member.** Pick only one (factory or pipe) pipes must have inspection hole for scope.
13. Hood may be chained, wired, or bolted shut (pick only one) with MAX of six 1" hood pins with 6" max washers. Only four may go to frame. May be welded in place. 12" max length for the two not going to frame.
14. Trunk may use up to four pins to frame. 1" ready rod with 6" max washers.
15. Back window bar may be 2"x2" max with 6"x6" max attachment plates. Plates may be welded or bolted to roof (flush with window opening) and centered on trunk/speaker deck seam. Call with questions.
16. FWD cars may use solid tires on the rear. RWD cars may use solid tires on the front. No solid tires on drive axle.

80s and Newer Pro Chain Cars -

Built rearends, trans brace/ultra bell, carb and pulley protector, tipped cold bend. 1978 and Newer GM cars, 1980 and Newer Ford and Chrysler products, 1998-2002 may NOT swap watts link, must run factory suspension connected to frame (rearend may be modified). No 2003 and Newer Fords.

1. 4 point cage. 60 inch max door bars, 4 down bars to sheet metal only 4" away from door seams. Halo bar allowed behind seat, vertical not angled, attached to roof in 2 spots, if connected to floor counts as down bar. Gas tank protector allowed 26" max width, 3" off floor and 2" away from back seat sheet metal.
2. Body bolts can be replaced with $\frac{3}{4}$ " by 6" long bolt/threaded rod with 4" washers. Must have 1" space between body and frame, 3" diameter spacers, free floating (do not weld in place). Bottom side must be up inside frame like factory. At the core support max of 2" by 2" tube 8" long may be used as a spacer.
3. Max of 5 bolts per fender. $\frac{3}{8}$ " diameter with 1 $\frac{1}{2}$ " washers. Cut excess threads.
4. May chain or wire doors shut, $\frac{3}{8}$ chain (1 loop) or 2 loops of wire. Max of 3 chains/wire per vertical seam, 3 chains/wire per side around rocker and frame. Cannot connect/go around cage material. Driver door may be welded shut and reinforced.
5. Window net allowed on drivers window only.

6. Windshield must have 2 straps, bars, chains. 4" on roof and firewall. May connect. Must be 3" from any cage, cradle, brace.
7. Back window bar allowed 2" by 2" tube max, 6" end plates. Must be vertical and 12" away from any cage, halo, gas tank protector. No more than 6" onto trunk lid. Not allowed on wagons.
8. May have wire from roof to frame in 4 locations 4 loops max
9. Hood allowed 6 attachment points. 1" max hood pins, front 2 may connect to the frame at core support ONLY. Other attachments must be sheet metal to sheet metal only 12" max length of rod, may be welded in place. With 6" max washers. Or 2" by 2" by 1/4" thick angle 4" long welded to top of fender and hood, with 5/8" diameter bolt. Must be 8" between attached points if using 4" pieces of angle.
10. Trunk may be secured in 4 spots with max 3/8" chain (1 loop) or 2 loops wire. Trunk may be trucked and dished. May notch and rebend rear frame.
11. Any fullsize bumper on the front may be stuffed, seam welded, or homemade from 6"x6" tube with 4" point spread over 32". May be hardnose. May weld factory shock in stock location or use 4" by 10" by 1/2" thick flare plate to mount front bumper to frame. No gusseting, must be flat on frame. Rear bumper may be welded on. No points on rear bumper. May chain/wire bumper to core support or tail light housing in 2 spots. 1 loop 3/8" chain or 3 loop wire.
12. Front suspension may be made solid using one 1/2" bolt or one 2" x 4" x 1/4" flat strap per side. May swap front suspension parts but must be OEM factory style. No aftermarket/homemade/reinforced spindles, tie rods, or ball joints. May modify steering column from steering box to wheel.
13. Any rearend allowed. Braced/hybrid/homemade/8 lug ok. Double coil springs allowed. No stuffing shocks or coil over shocks. May chain rearend in place, one per side. May connect humps with 3/8" chain or wire. May weld 2 links of chain to side of frame or have 2 loops of wire around frame. No bolts thru frame.
14. Full center wheels and bead lip protectors allowed.
15. Lower cradle with front plate. Carb protector allowed, must not contact any cage components. Pulley protector is allowed if sway bar is cutout.
16. Transmission brace or ultra bell allowed. 2"x2" straight tube for transmission cross member with 3"x3" angle 6" long attached to frame. Transmission should slide/move on top of cross member and never be locked in place. May be chained or wired to cross member but NOT bolted tight.
17. Tipping/Titling/Cold Bending... May cut tabs on box, pie cut or cold bend, with a MAX of 16" of reweld on seams/cuts (NO added material, single pass 1/2" bead) from trans cross member to firewall. *If choosing NOT to tip/tilt/cold bend you may weld top frame seam firewall forward 1/2" bead single pass. ONLY WELD top seam if you DO NOT tip.* Call with questions.
CHRYSLERS - may have 4: of weld with 1/2" filler material, in 4 spots (16" total), connecting k member to unibody.

2023 Mini-Van Chain -

Any factory FWD mini van, AWD Aerostars allowed but must be made FWD. No Chevy Astro vans or GMC Safari's. Gut and go type class, MAKE IT SAFE!

1. Basic 4 point cage, 60" max door bars. No down bars. Halo bar allowed, must be vertical and can attach to cage material and roof.
2. Any automotive bumper allowed seam welded/stuffed or homemade. See general rules.
3. Bumpers may be welded to bumper shocks, shocks weld to frame OEM shock for vehicle. Or may use 4"x8" by 1/2" thick flat strap as bumper bracket.
4. Driver door may be welded shut and reinforced. Make it safe.
5. Doors may be chained or wired shut. One loop 3/8 max chain or 3 loops of wire. May not connect to cage. Front doors allowed 4 locations per door, side doors/sliders allowed 6 locations, and rear hatch may have 8 locations. Please secure safely don't want doors/hatch opening.
6. Hood may be attached in 4 spots. 2 spots may be max of 1" threaded rod with 4" washers at the core support. May be welded in place. Other 2 spots may be chain or wire.
7. Window net on driver's door only.
8. Must have windshield bars or chain for drivers safety. Connect 4" onto firewall and roof.
9. No other wire in windows or from floor to roof.
10. Air filled tires only.

80s and Newer Semi Stock Chain Cars -

1978 and Newer GM vehicles, 1980 and Newer Ford and Chrysler products. NO 1998 and newer Ford products. No tipping, tilting, pitching, or altering geometry of frame.

1. Can have 4 point cage. 60 inch max side bar. No down bars. Halo allowed off bar behind seat, vertical not angled, bolted to roof in 2 spots. Gas tank protector allowed 24" width max, 3" off floor sheet metal and 2" from back seat sheet metal.
2. Body bolts can be replaced with 1/2" x 6" long rod/bolts with 3" x 1/4" washers. Must have 1" space between body and frame 3" diameter spacers max free floating (not welded to body or frame). Bottom side must be up inside frame like factory. **If you choose to leave factory body bolts untouched... you may have 1 additional chain/wire location per bottom door seam (2 per door on bottom seam) that wraps around frame/rocker/door seam. If choose this way and have rusted or broken mount may wrap with loop of No. 9 wire. Don't abuse this rule! Call with questions.**
3. 4 bolts per fender 3/8 bolts with 1" washers. Fender may be pounded in but NO hard body or creasing.
4. Chain or wire door seams shut 3/8 max chain (1 loop) or 2 loops wire. 2 per vertical seam and 1 around bottom seam (rocker and frame). No chain or wire to connect to any

part of cage. Drivers door may be welded shut with 4" x 1/8" material and reinforced for safety.

5. Window net allowed on drivers door only.

6. 2 bars/straps/chains required in front window for drivers safety. Connected to firewall and roof. 4" max connection. **NO rear window bar.**

7. Hood may be chained or wired in 6 locations, 3/8 max chain (1 loop) or 2 loops wire. Must have 12" hole cut in case of fires. 8 - 3/8 bolts x 1 1/2" long with 1" washers around cutouts.

8. Trunk may be chained or wired in 4 locations, 3/8 max chain (1 loop) or 2 loops wire. Trunk lid may be tucked, may be dished no more than 6". May notch and prebend rear frame rails.

9. Any factory full size bumper allowed. May seam weld but no stuffing. May trim ends. May be welded to frame (hardnosed) or welded to bumper shock and **bumper shock welded to frame in factory location.** May chain/wire in 2 places to core support or tail light housing, 1 loop 3/8 chain, or 4 loops of wire.

10. Front suspension may have one 1/2" bolt to make solid, or one 2"x4"x1/4" strap per side. All other front suspension parts must be factory. No reinforcing or aftermarket parts.

11. Rear suspension must remain factory. No stuffing shocks, or coil over shocks. May have one chain per side to set height (from frame to rear axle) 3/8 max chain.

12. Any factory 5 lug rearend. No hybrids or bracing. May be welded POSI. No double coil springs.

13. Only small wheel centers. No full centers or bead/lip protectors.

14. May run basic lower cradle with front plate. May use aftermarket lower engine mounts. **NO DPs, NO carb protectors, NO pulley protectors, NO ultrabells, NO trans brace.**

15. Slider driveshafts and transmission coolers allowed.

16. May alter steering column from wheel to steering box, aftermarket shifters allowed.