



## **TRAIL IMPROVED STOCK RULES**

### **GENERAL REQUIREMENTS**

1. The snowmobile must be all original OEM parts as sent by factory unless specified.
2. Stock machines must run on pump gasoline and not contain an octane higher than 93.
3. **Tethers are required in trail improved stock trophy classes.**
4. No change or modification is allowed unless specifically allowed by these rules. If these rules do not specifically allow a change or modification, then it must be assumed that the change or modification is not allowed.
5. Tek-Vests are not required in stock classes, however highly recommended.
6. NO SNOWCROSS SLEDS IN STOCK- THEY WILL RUN IN SNO-X OR PRO IMPROVED AND UP

### **ENGINE**

1. No component of the engine may be altered, changed, reduced or enlarged from the engine manufacturer's original stock specifications, nor may any additional components be added to the engine. No removal of material whatsoever will be allowed.
2. No polishing, or porting is allowed.
3. Stock bore only.
4. There will be no more than one cylinder base gasket to a cylinder.
5. Jet components may be changed, no modification to carburetor body is allowed.
6. Electronic control modules may be added or be reprogrammed/remapped for OEM snowmobiles that come factory with Electronic Fuel Injection.
7. Airbox may not be removed or modified.
8. Aftermarket Reeds and Reed blocks allowed.
9. Oil injection pump must remain in place and remain functional. The lines may be removed and plugged. Oil injector nozzles may be removed and holes may be plugged. Premix gasoline may be used.
10. Engine must remain OEM for the model cooling system.
11. Cooling circuits cannot be modified or removed except for the use of quick disconnects and must remain functional. Thermostats may be removed.
12. Heat exchangers must remain OEM for the model.
13. The complete exhaust system must remain OEM by the manufacturer for the model. This includes any internal components.
14. Aftermarket cans are allowed.



### **DRIVE**

1. Any combination of springs, weights and ramps may be used in the clutches. There is no maximum clutch engagement RPM. No machining, grinding, cutting or welding allowed on clutches. Metal may be removed but not added to primary clutch ramps or flyweights.
2. The brake system must be OEM for the model and must be fully functional.
3. Gears must remain stock OEM for the model and year.

### **SKI SUSPENSION & STEERING**

1. Sled must have a minimum ride height of 3" measured at the lowest point of the bulkhead/skid plate and must retain 2" of remaining compression travel with driver on snowmobile.
2. Shocks must remain OEM for the model and remain in the OEM location.
3. Handle bar extensions are allowed. All ends must be plugged. Any handlebar can be used.

### **SKIS & SKI RUNNERS**

1. Any aftermarket or OEM skis are allowed. Minimum aftermarket ski length is 40 inches.
2. Skis may be reinforced but must remain in the original configuration and on the upper surface of the ski only.
3. Ski runners may not be removed or replaced.
4. Ski lubrication is not allowed.

### **TRACK SUSPENSION**

1. The complete suspension must be used as OEM manufactured.
2. Snow wheels and related hardware may be added to or removed from slide rails. Structural integrity must be maintained.
3. Rear axle idler wheels must remain OEM for the model. OEM for the model rear idler wheels may be added to the rear axle.

### **TRACK & TRACTION**

1. The track must be OEM for the year and model (aftermarket lug track allowed, no speed tracks. No cutting, trimming or shaving of the track or rubber studs/snow lugs allowed.
2. Trail studs only allowed. Track studs may be no more than 1/2 inches above the highest point of the track or the traction lug. No cutting, trimming or shaving/grinding of studs allowed.
3. Snowmobile width must be OEM for the make & model.



### **FRAME & BODY**

1. No chassis alterations, additions or removals are allowed.
2. Tunnel can be repaired but must remain OEM for the model length.
3. Windshield and molding may be removed.
4. No additional venting allowed.
5. The fuel tank must remain OEM and is the only tank that can be used for fuel supply.

### **IGNITION & ELECTRICAL**

1. Ignition must be OEM for the year and model.
2. Lighting coil must remain in place.
3. OEM gauges must remain in place. Adding tachometers, and speedometers is allowed.
4. Headlight assembly must remain intact.
8. Aftermarket sensors of any type can be installed on the exhaust and must be fully functional.