

TECHNICAL BULLETIN

TB#: TB021 001

DATE: 03/14/22

RE: SR3 SRX, XX, 1340, and 1500 “Spin-Safe Clutch”

Priority: Normal Usage

In an effort to maximize the functionality and life of the clutch device, please note the following:

Operation notes:

- **Use the clutch pedal like any normal manually shifted car.** The “Spin Safe” is a mechanical device to “allow” for clutch disengagement when transmission is attempting to turn in reverse. (Which can cause catastrophic failure inside the engine case)
- Using the clutch pedal just as you would with a street car clutch will prevent excessive Spin-Safe wear.
- Don't sit stationary with the car in gear unless you are pulling away
- Don't pull away in any gear other than first
- Pull away gently if possible
- When driving at slow speeds, use first gear ensuring RPM is in excess of 4000rpm (where possible), to ensure full engagement and no excessive slip
- New Clutches will have a “bed-in” period and will require a minor adjustment after the first session.
- It is advised to re-check adjustment when the car is hot as the clutch will expand with temperature.

IN THE EVENT OF A SPIN (With OR Without a Spin-Safe Clutch)

IF the clutch is not depressed and the engine spins backwards, there is a “good” chance that the starter and opposing gear have been damaged. **IF** there is any doubt over whether or not this has occurred, **DO NOT** start the engine, Call Crown immediately. (Starting or attempting to start the engine could cause significant damage to the internal workings of the engine)

1. To inspect the Starter, remove the Positive Lead under the black cover. Once it has been removed, immediately cover it with electrical current resist tape. Then remove the 2 Bolts going into the Engine Case, noting which bolt holds the “Negative” Lead on.
2. The Starter Motor can then be removed from the Starter Cover. The first check is to turn the start Pinion Gear. This should turn “smoothly”. If it doesn't, it will need to be replaced.
3. Check the Starter Idler Gear which is visible and located in the engine case. If the engine has turned backward, and damaged the Starter Motor OR Pinion Gear, it may have damaged this Idler Gear. If there is any damage, or fragmentation, contact Crown before attempting any other driving.

Service Frequency

Radical advises checking the adjustment of the clutch at the start of each day prior to going out on track. Crown performs this service during routine maintenance intervals. (Generally 6-8 Hours)

For additional information, please contact Crown Engineering: jmartin@crownc Conceptsusa.com

For service, please contact Crown Trakside Sales: trakside@crownc Conceptsusa.com

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