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MSD Thread Subject

Best Operating Procedures : Slingshot Steering and Clockspring Service

MSD Post Content

Over the last couple of years we have been monitoring Ask Polaris cases that have required the replacement of clocksprings on MY20+ and it has come to our attention that some of these failures are a result of other work performed on the unit unrelated to the original concern. Some of these cases including a steering concerns investigation, alignments or some accessory installs for the paddle shifter that required the steering wheel to be pulled. As a reminder, we are creating this post to stress the importance of the step 12 in the service manual, this also holds true if you remove the steering shaft off of the rack and pinion, added rotation of the shaft can cause damage to the clockspring. "Clockspring must remain in the same orientation as when the steering wheel was removed. Any rotation can cause damage to the clockspring when new steering wheel is installed. Orientation arrow should be at 12 o'clock." Service Manual Procedure: STEERING WHEEL REMOVAL CAUTION Striking the steering wheel or steering shaft while installed in the vehicle can permanently damage the EPAS unit and cause a Power Steering fault. Remove horn pad by inserting small flat head screwdriver into hole on bottom of wheel to depress spring lever inside. Lift bottom of horn pad out and up to remove. NOTICE There is a wire connected to horn pad, do not remove horn pad entirely before disconnecting this wire. Unplug wire lead from back of horn pad. Remove horn pad. Unplug three connectors from clockspring. NOTICE Be careful to not damage housing. Remove and discard steering wheel nut. Counter hold steering wheel, if necessary. NOTICE Be careful not to damage threads. Make sure steering wheel is still centered and mark the top center of steering wheel shaft to aid in aligning the new steering wheel. NOTICE Shaft is keyed, as shown with arrow. Remove steering wheel using steering wheel puller. Make sure there is full thread engagement of the puller into the steering wheel puller holes. After steering wheel is removed, make sure the two rubber grommets remain installed on the clockspring. If necessary, push the grommets out of the steering wheel and carefully reinstall onto the clockspring. IMPORTANT Clockspring must remain in the same orientation as when the steering wheel was removed. Any rotation can cause damage to the clockspring when new steering wheel is installed. Orientation arrow should be at 12 o'clock.