



No.299, Tongji Road, Ningbo, China

www.raintekglobal.com / 0574 8787 8639

Quality Irrigation Products

CENTER DRIVE MAINTENANCE



DISCLAIMER:

Unless otherwise noted, the maintenance specifications herein apply to all RAINTEK center drives. These specifications are subject to change without notice. For the most recent version refer to the RainTek website www.raintekglobal.com, under the Service and Download tab.



WARNING



To reduce the potential of a severe electrical shock and to prevent bodily injury from sudden startup of the motor, always disconnect all electrical power sources before initiating any maintenance or repairs.



OIL CHANGES AND MAINTENANCE

After the first operating season or 3,000 operating hours, whichever occurs first, change the oil in the center drive gearbox. Fill the gearbox with the proper oil, through the top fill hole, to the operating oil level range. (at 70°F ambient temperature).

After the first oil change, replace the oil in the center drive gearbox after each operating season or 3,000 operating hours, whichever occurs first. Fill the gearbox with the proper oil, through the top fill hole, to the operating oil level range. (at 70°F ambient temperature).

CENTER DRIVE LUBRICANTS REQUIREMENTS

A GL-5 SAE 85W-140, SAE J2360, or ISO 460 AGMA 7EP equivalent gear oil must be used in the center drive gearbox. Some common brands meeting this specification are shown below:

* Mobil Gear Oil: 85W-140

* Chevron Delo Gear EP-5 SAE 85W-140

Oil capacity 1.6L Please note: use of improper gear oil will void the center drive warranty!



sales@raintekglobal.com



CENTER DRIVE MAINTENANCE

MAINTENANCE TO BE PERFORMED AFTER EACH PERATING SEASON

Ensure that a strain relief is used to connect the motor lead cable to the junction box of the center drive. Failure to use a strain relief can result in severe electric shock and/or motor failure.

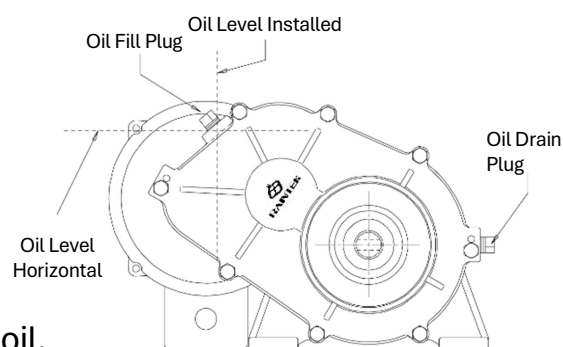
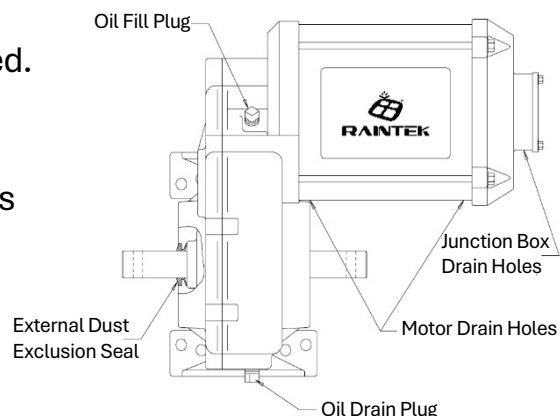
Inspect output oil seals for leakage. Should either of the seals show excessive leakage, the seals should be replaced.

External dust exclusion seals should be used to keep dirt and water out of internal seal locations. If the external seals are damaged or worn, replace with the new seals.

The single motor drain hole located under the motor-can must be kept clear to allow for drainage of accumulated moisture inside the motor.

If any oil is found weeping out of the water drain hole, the motor must be replaced or repaired. Do not operate the unit if a leak is present, as a severe electrical short may occur.

The proper oil level should be maintained at all times and contaminated or emulsified oil should be replaced with new oil.



RAINTEK CENTER DRIVE MAINTENANCE CHECKLIST

Check Item	Pre-Season	Mid-Season	Post-Season	Comments
Check Motor Lead Cable for Damage	●	●		
Check Motor Drain Hole	●	●		Make Sure it's Clear of Debris and Check for Leaks.
Check / Change Lubricant	●		●	See Maintenance Instructions.
Check Output Seals	●	●	●	
Check Couplers for Damage	●	●	●	The pucks should be replaced every 4 years, all the fasteners are tight, clean any mud or debris off.



RAINTEK

Professional * Responsible



Innovative * Sustainable



RainTek (Ningbo) Irrigation Co., Ltd.
No.299, Tongji Road, Ningbo, China
0574 8787 8639 / sales@raintekglobal.com
www.raintekglobal.com