

THANK YOU FOR PURCHASING AN ITR FINAL DRIVE!

This installation guide provides simple steps to assist in installing your new ITR Final Drive and identify the necessary hydraulic ports for installation. Follow the original equipment manufacturer's instructions and procedures for removal and installation of the final drive when available. If in doubt, please give us a call on **1300 820 214**.

Important: It is recommended that the new final drive is installed by a qualified mechanic or hose fitter. Incorrect installation may damage your final drive and void the product warranty.

Change gearbox oil every 250 hours (SAE80/90 gear oil). Failure to do so will void warranty. (Final drive should be pre-loaded with gear oil, but please check once final drive is installed)

WARNING: PLEASE ENSURE THE HYDRAULIC HOSES ARE CONNECTED TO THE CORRECT PORT ON THE FINAL DRIVE. FAILURE TO DO SO MAY RESULT IN INSTANT DAMAGE TO YOUR DRIVE.



IT IS ESSENTIAL THAT ALL MACHINE HYDRAULIC FILTERS AND HOSES, INCLUDING CASE DRAIN RETURN FILTER, ARE CLEANED OR REPLACED. THIS ENSURES NO FOREIGN MATERIAL THAT CAN CONTAMINATE YOUR NEW FINAL DRIVE. ANY POTENTIAL MATERIAL CONTAMINATION OR RESTRICTIONS CAN CAUSE DRIVE FAILURE.



GREEN	FWD / REV Ports	These ports are used to connect the hydraulic pipes coming from the control valve.
BLUE	Case Drain Ports	Select the highest Case Drain Port for your installation to minimise build up of air inside the Final Drive. For configuration of 2-Speed and non-2-Speed machines, refer to guide below.
RED	2-Speed Port	Connect your 2-Speed hose to this port. If your machine does not have a 2-Speed, refer to the guide below.

Thead sizes for the port connections are listed below:

FWD / REV Ports	BSPP 1/2"
Case Drain Ports	BSPP 1/4"
2-Speed Port	BSPP 1/4"

Note: It is common to change the adaptors between the hydraulic hoses and the final drive because the thread differs between the final drive manufacturers.

Port Configuration Guide:

- Use the highest **Case Drain Port** for your installation. **There are two different Case Drain screw caps; one being metal, the other is plastic.** **For 2-Speed installations**, it is important that you use the metal screw cap in the unused **Case Drain Port**.
- If the **2-Speed Port** is not being used, connect a hose from the **2-Speed Port** to the spare **Case Drain Port**. (This prevents pressure build ups and stops drive from unintentionally changing to 2-Speed operation).

Note: On some machines, the drive may need to be rotated 10–15° within the hub to achieve full bolt hole alignment. This is not unusual as certain machines are manufactured with the original drive already positioned at a 10-degree angle. As a result, the hoses may sit at a slight angle once connected to the drive.

If you have any questions or concerns about installing your new ITR Final Drive, please don't hesitate to call the team on **1300 820 214**.