

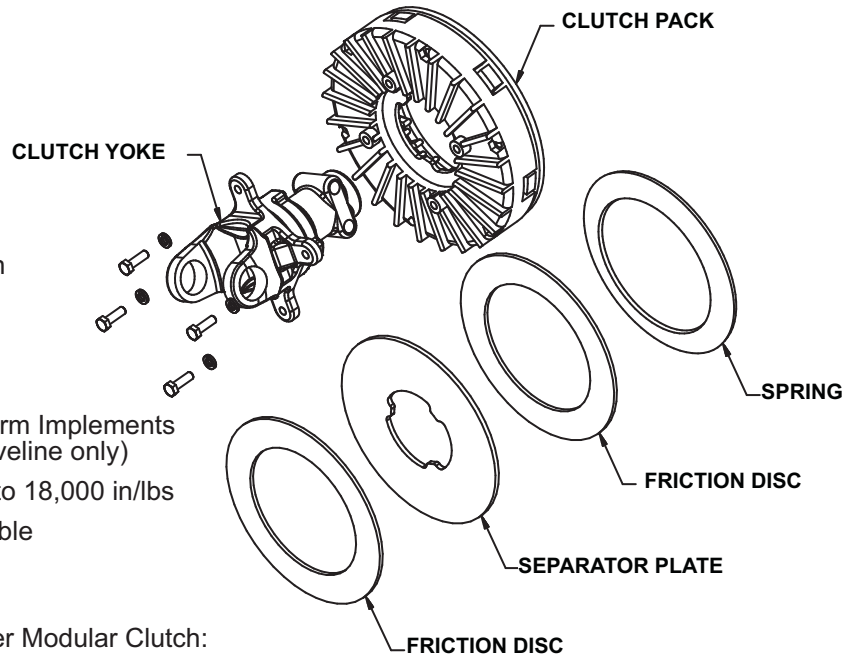
TORQMASTER Modular Clutch

METRIC
Interchanges with:
Bondioli and Pavesi, 4, 5, 6, 8 Series and
Walterscheid 2300, 2400, 2500 Series

NORTH AMERICAN
Weasler 14, 35, 44, 55
Interchanges with:
Neapco 2600 Series and
Walterscheid 1480 Series

Features and Benefits

- Superior Performance
- Long Life
- Isolates and Dissipates Heat
- 'User Friendly', Easy to Service
- Easy Assembly with 1/2" Wrench
- Free Motion - Ease of Hookup
- Minimum Adjustment Required
- Auto-Lok Available
- Replacement Clutch for most Farm Implements (for use on implement end of driveline only)
- Torque Setting from 6000 in/lbs to 18,000 in/lbs
- Overrunning Feature also Available
- Modular Construction Covers a Wide Variety of Applications
- Applications for the Torquemaster Modular Clutch:
 - Spreaders
 - Mixers
 - Mower Conditioners
 - Rotary Cutters
 - Flail Shredders
 - Grain Carts
 - Balers



Instructions for Ordering

- Determine Driveline Series for either North American or Metric applications
- Identify the Connecting Shaft Size and Method of Attachment (i.e.: clamp, bolt, keyway)
- Obtain Torque Setting from Owner/Operator Manual
- If Torque Setting is Not Available, Use the Following Clutch Pak Selection Guide:
 - Order Clutch Yoke and Clutch Pak Separately by Stock Number
 - For Installation, Attach Clutch Yoke to the Driveline first, Then Mount the Clutch Pak to the Clutch Yoke
 - Use the Modular Clutch on the Implement End of the Driveline Only
 - If the Implement Input Connection Guard is Removed for Service, Reinstall the Guard Before Using the Machine
 - Some Implements (i.e.: mower conditioner, flail shredder) Require an Overrunning Feature Incorporated into the Clutch. If the Replacement Clutch Requires this Feature, Order the Appropriate Modular Clutch and Clutch Yoke

If you have an implement that does NOT appear in the Clutch Pak Selection Guide, use this chart as a general guideline for selecting the proper Clutch Pak.

North American	Metric	Stock Number
14 Series	Bondioli & Pavesi 4 Series Walterscheid 2300 Series	S.57012000
35 Series	Bondioli & Pavesi 5 Series Walterscheid 2400 Series	S.57015000
44 Series	Bondioli & Pavesi 6 & 7 Series Walterscheid II Series	S.57018000
55 Series	Bondioli & Pavesi 8 Series Walterscheid 2500 Series	S.57018000

TORQMASTER Clutch Pak Selection Guide

Spreader

Friction Clutch Stock Number	Overrunning Clutch Stock Number	540 RPM in•lb•torque	1000 RPM in•lb•torque
Capacity: Less than 240 Bushels or 150 cu.ft.			
S.57012000	S.57112000	12000	
Capacity: Between 241-400 Bushels or 151 - 250 cu.ft.			
S.57012000	S.57112000		12000
S.57015000	S.57115000	15000	
Capacity: Between 401-560 Bushels or 251 - 350 cu.ft.			
S.57015000	S.57115000		15000
S.57018000	S.57118000	18000	
Capacity: Greater than 560 Bushels or 350 cu.ft.			
S.57018000	S.57118000		18000
S.57018000	S.57118000	18000	

Mixer

Friction Clutch Stock Number	Overrunning Clutch Stock Number	540 RPM in•lb•torque	1000 RPM in•lb•torque
Capacity: Less than 240 Bushels or 150 cu.ft.			
S.57012000	S.57112000	12000	
Capacity: Between 241-400 Bushels or 151 - 250 cu.ft.			
S.57012000	S.57112000		12000
S.57015000	S.57115000	15000	
Capacity: Between 401-560 Bushels or 251 - 350 cu.ft.			
S.57015000	S.57115000		15000
S.57018000	S.57118000	18000	
Capacity: Greater than 560 Bushels or 350 cu.ft.			
S.57018000	S.57118000		18000
S.57018000	S.57118000	18000	

Snowblowers

Friction Clutch Stock Number	540 RPM in•lb•torque	1000 RPM in•lb•torque
Width of Cut: Less than 60"		
S.57012000		12000
S.57015000	15000	
Width of Cut: 61" - 70"		
S.57015000		15000
S.57018000	18000	
Width of Cut: 71" - 80"		
S.57018000		18000
S.57018000	18000	
Width of Cut: 81" - 90"		
S.57018000	N/A	18000
Width of Cut: Greater than 90"		
S.57018000	N/A	18000

Grain Cart

Friction Clutch Stock Number	Overrunning Clutch Stock Number	540 RPM in•lb•torque	1000 RPM in•lb•torque
S.57012000	S.57112000	12000	

Mower Conditioner

Friction Clutch Stock Number	Overrunning Clutch Stock Number	540 RPM in•lb•torque	1000 RPM in•lb•torque
Sickle Bar - less than 10 feet			
S.57012000	S.57112000	12000	
Sickle Bar - 10 - 13 feet			
S.57012000	S.57112000		12000
S.57015000	S.57115000	15000	
Sickle Bar - 14 - 17 feet			
S.57015000	S.57115000		15000
S.57018000	S.57118000	18000	
Rotary Disk - less than 10 feet			
S.57012000	S.57112000		12000
Rotary Disk - 11 - 13 feet			
S.57015000	S.57115000		15000
Rotary Disk - 14 - 17 feet			
S.57018000	S.57118000		18000

Rotary Cutter - 1 Clutch/Machine

Friction Clutch Stock Number	Overrunning Clutch Stock Number	540 RPM in•lb•torque	1000 RPM in•lb•torque
Deck Width - 4 - 7 feet			
S.570-9000	S.571-9000		9000 / 12000
S.57012000	S.57112000	12000	
Deck Width - 8 - 13 feet			
S.57012000	S.57112000		12000
S.57015000	S.57115000	15000	
Deck Width - 14 - 16 feet			
S.57015000	S.57115000		15000
S.57018000	S.57118000	18000	
Deck Width - 17 - 20 feet			
S.57018000	S.57118000		18000
S.57018000	S.57118000	18000	
Deck Width - larger than 20 feet			
S.57018000	S.57118000		18000
Section Width - less than 4 feet			
S.550-6000	S.551-6000	6000	6000
Section Width - 4 - 6 feet			
S.570-9000	S.570-9000		9000 / 12000
S.57012000	S.57112000	12000	
Section Width - greater than 6 feet			
S.57012000	S.57112000		12000
S.57015000	S.57115000	15000	

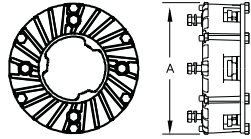
Round Baler

Friction Clutch Stock Number	Overrunning Clutch Stock Number	540 RPM in•lb•torque	1000 RPM in•lb•torque
Bale Weight - less than 600 lbs.			
S.57012000	S.57112000	12000	
Bale Weight - 600 - 1500 lbs.			
S.57012000	S.57112000		12000
S.57015000	S.57115000	15000	
Bale Weight - 1501 - 2500 lbs.			
S.57015000	S.57115000		15000
S.57018000	S.57118000	18000	

TORQMASTER Modular Clutch Components

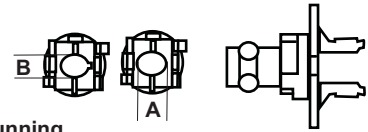
* SPECIAL ORDER

**Clutch Paks
5", 7"**



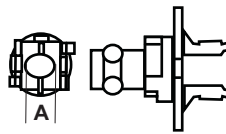
Clutch Stock Number	Overrunning Clutch Stock Number	in·lbs	Dim. "A"
S.550-6000	S.551-6000*	6000	6 1/4"
S.570-9000	S.571-9000*	9000	7"
S.57012000	S.57112000*	12000	7"
S.57015000	S.57115000*	15000	7"
S.57018000	S.57118000*	18000	7"

35 Series



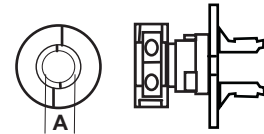
Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline	B Bore
S.817-3506	S.818-3506*	1 3/8"	6	
S.817-3521*	S.818-3521*	1 3/8"	21	
S.817-3524*	S.818-3524*			1 1/2" Rd

14 Series



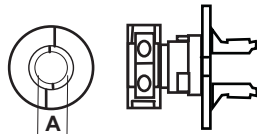
Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-1406*	S.818-1406*	1 3/8"	6
S.817-1421*	S.818-1421*	1 3/8"	21

35 Series



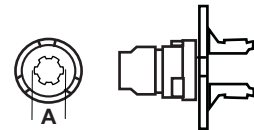
Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-3520*	S.818-3520*	1 3/4"	20

14 Series



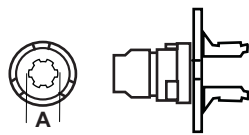
Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-1420*	S.818-1420*	1 3/4"	20

35 Series



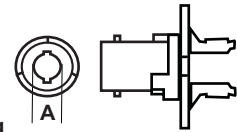
Auto-Lok Yoke Stock Number	Overrunning Auto-Lok Yoke Stock Number	A Bore	Spline
S.820-3506*	S.821-3506*	1 3/8"	6
S.820-3520*	S.821-3520*	1 3/4"	20
S.820-3521*	S.821-3521*	1 3/8"	21

14 Series



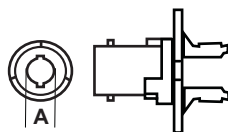
Auto-Lok Yoke Stock Number	Overrunning Auto-Lok Yoke Stock Number	A Bore	Spline
S.820-1406	S.821-1406*	1 3/8"	6
S.820-1421	S.821-1421*	1 3/8"	21

**35 Series
w/ Keyway & Set Screw**



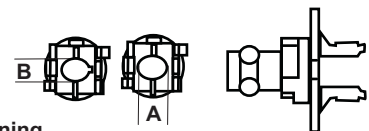
Round Bore Yoke Stock Number	Overrunning Round Bore Yoke Stock Number	A Bore
S.825-3522*	S.826-3522*	1 3/8" Rd

**14 Series
w/ Keyway & Set Screw**



Round Bore Yoke Stock Number	Overrunning Round Bore Yoke Stock Number	A Bore
S.825-1420*	S.826-1420*	1 1/4" Rd
S.825-1422*	S.826-1422*	1 3/8" Rd

44 Series

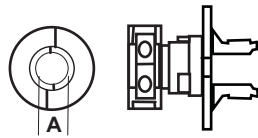


Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline	B Bore
S.817-4406	S.818-4406*	1 3/8"	6	
S.817-4421*	S.818-4421*	1 3/8"	21	
S.817-4424*	S.818-4424*			1 1/2" Rd

TORQMASTER Modular Clutch Components

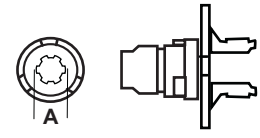
* SPECIAL ORDER

44 Series



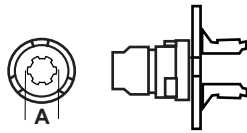
Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-4420*	S.818-4420*	1 3/4"	20

55 Series



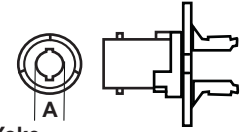
Auto-Lok Yoke Stock Number	Overrunning Auto-Lok Yoke Stock Number	A Bore	Spline
S.820-5506*	S.821-5506*	1 3/8"	6
S.820-5520*	S.821-5520*	1 3/4"	20
S.820-5521*	S.821-5521*	1 3/8"	21

44 Series



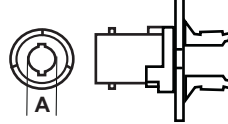
Auto-Lok Yoke Stock Number	Overrunning Auto-Lok Yoke Stock Number	A Bore	Spline
S.820-4406*	S.821-4406*	1 3/8"	6
S.820-4420*	S.821-4420*	1 3/4"	20
S.820-4421*	S.821-4421*	1 3/8"	21

55 Series w/ Keyway & Set Screw



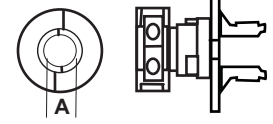
Round Bore Yoke Stock Number	Overrunning Round Bore Yoke Stock Number	A Bore
S.825-5522*	S.826-5522*	1 3/8" Rd

44 Series w/ Keyway & Set Screw



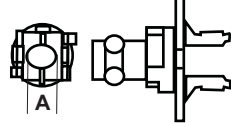
Round Bore Yoke Stock Number	Overrunning Round Bore Yoke Stock Number	A Bore
S.825-4422*	S.826-4422*	1 3/8" Rd

Walterscheid 1480 Series Neapco 2600 Series



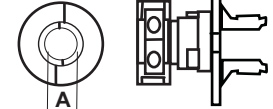
Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-2606*	S.818-2606*	1 3/8"	6
S.817-2621*	S.818-2621*	1 3/8"	21

55 Series



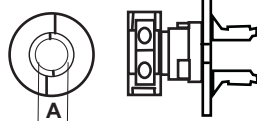
Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-5506*	S.818-5506*	1 3/8"	6
S.817-5521*	S.818-5521*	1 3/8"	21

Walterscheid 1480 Series Neapco 2600 Series



Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-2620*	S.818-2620*	1 3/4"	20

55 Series



Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-5520*	S.818-5520*	1 3/4"	20

Walterscheid 1480 Series Neapco 2600 Series

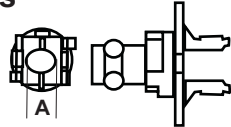


Round Bore Yoke Stock Number	Overrunning Round Bore Yoke Stock Number	A Bore
S.825-2622*	S.826-2622*	1 3/8" Rd

TORQMASTER Modular Clutch Components

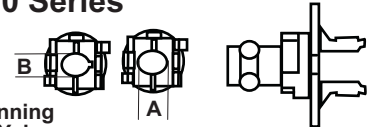
* SPECIAL ORDER

**Bondioli & Pavesi 4 Series
Walterscheid 2300 Series**



Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-8406*	S.818-8406*	1 3/8"	6
S.817-8421*	S.818-8421*	1 3/8"	21

**Bondioli & Pavesi 6 Series
Walterscheid 220 Series**



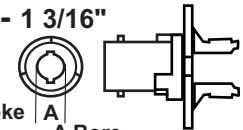
Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline	B Bore
S.817-8606*	S.818-8606*	1 3/8"	6	
S.817-8621*	S.818-8621*	1 3/8"	21	
S.817-8624*	S.818-8624*			1 1/2" Rd

**Bondioli & Pavesi 4 Series
Walterscheid 2300 Series**



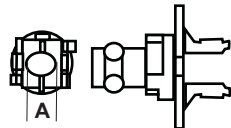
Round Bore Yoke Stock Number	Overrunning Round Bore Yoke Stock Number	A Bore
S.825-8422*	S.826-8422*	1 3/8" Rd

**Bondioli & Pavesi 6 Series
Walterscheid 220 Series - 1 3/16"**



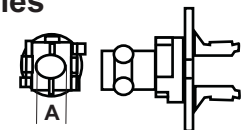
Round Bore Yoke Stock Number	Overrunning Round Bore Yoke Stock Number	A Bore
S.825-8622*	S.826-8622*	1 3/8" Rd

Bondioli & Pavesi 5 Series - 1 3/16"



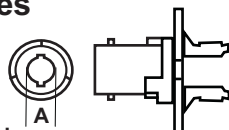
Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-6506*	S.818-6506*	1 3/8"	6
S.817-6521*	S.818-6521*	1 3/8"	21

Bondioli & Pavesi 8 Series



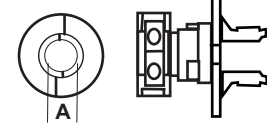
Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline	B Bore
S.817-6806*	S.818-6806*	1 3/8"	6	
S.817-6821*	S.818-6821*	1 3/8"	21	

Bondioli & Pavesi 5 Series



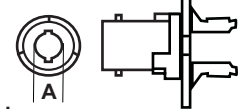
Round Bore Yoke Stock Number	Overrunning Round Bore Yoke Stock Number	A Bore
S.825-6522*	S.826-6522*	1 3/8" Rd

Bondioli & Pavesi 8 Series



Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-6820*	S.818-6820*	1 3/4"	20

Bondioli & Pavesi 5 Series



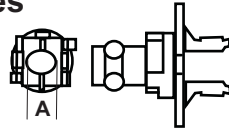
Round Bore Yoke Stock Number	Overrunning Round Bore Yoke Stock Number	A Bore
S.825-6822*	S.826-6822*	1 3/8" Rd

TORQMASTER Modular Clutch Components

* SPECIAL ORDER

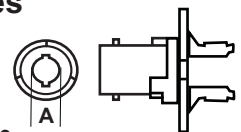
Walterscheid 2400 Series

Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-7606*	S.818-7606*	1 3/8"	6
S.817-7621*	S.818-7621*	1 3/8"	21



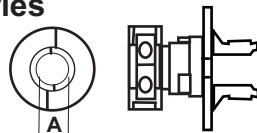
Walterscheid 2500 Series

Round Bore Yoke Stock Number	Overrunning Round Bore Yoke Stock Number	A Bore
S.825-7922*	S.826-7922*	1 3/8" Rd



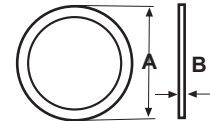
Walterscheid 2400 Series

Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-7620*	S.818-7620*	1 3/4"	20



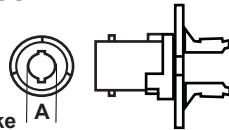
Spring - 7", 9"

Stock Number	A O.D.	B Thickness	Color Code
S.987-9000	6.188"	.138"	Blue
S.98712000	6.188"	.158"	Green
S.98715000	6.188"	.169"	Yellow
S.98718000	6.188"	.189"	White
S.98910000	8.00"	.158"	Blue
S.98915000	7.81"	.169"	Yellow
S.98918000	7.87"	.189"	Red



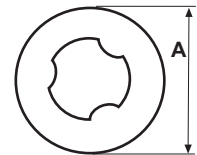
Walterscheid 2400 Series

Round Bore Yoke Stock Number	Overrunning Round Bore Yoke Stock Number	A Bore
S.825-7622*	S.826-7622*	1 3/8" Rd



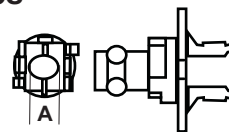
Separator Plate - 7", 9"

Separator Plate Stock Number	Overrunning Separator Plate Stock Number	A O.D.	B O.D.
S.990-7000		6.20"	
S.991-7000		6.20"	
S.990-9000		8.07"	
S.991-9000		8.07"	



Walterscheid 2500 Series

Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-7906*	S.818-7920*	1 3/8"	6
S.817-7921*	S.818-7921*	1 3/8"	21

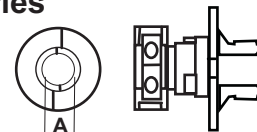


Overrunning Clutch Repair Kit - 7", 9"

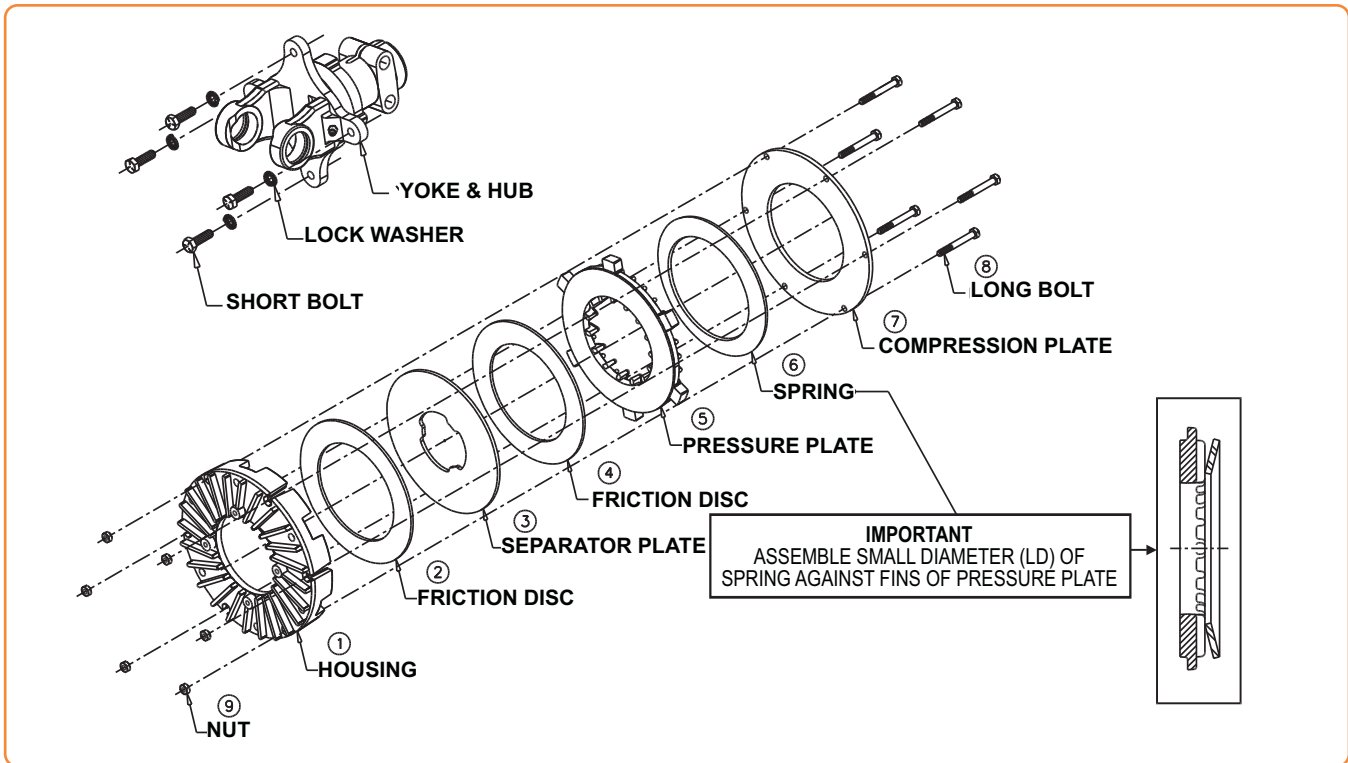
Stock Number	Contents
S.980-7000	(1) Overrunning Collar (2) Dogs (2) Leaf Springs (1) Wave Spring (1) Washer (1) Retaining Ring (1) Assembly / Disassembly Instructions

Walterscheid 2500 Series

Clamp Yoke Stock Number	Overrunning Clamp Yoke Stock Number	A Bore	Spline
S.817-7920*	S.818-7920*	1 3/4"	20



TORQMASTER Modular Clutch Assembly Instructions



Modular Clutch Instructions

If the clutch has not been operated for (1) season we recommend the following:

Tools Required:

(1) 1/2" box wrench or socket

1. Make sure the tractor is off and the PTO is disengaged.
2. Disconnect the driveline from the tractor.
3. Locate the bolts on the O.D. of the clutch pak. Loosen the bolts until all are finger tight, then tighten each one half a turn.
4. Attach the implement to the tractor at the hitch pin, and the driveline to the tractor PTO.
5. Turn the tractor on. Engage the PTO clutch and run for a few seconds, or until the clutch visibly smokes.
6. Disengage the tractor PTO and shut off the tractor.
7. Disconnect the driveline from the tractor.
8. Tighten the bolts on the O.D. of the clutch pak until the compression plate is in full contact with the housing.
9. If the clutch contains an integral overrunning clutch, make sure the clutch spins freely in one direction.

Clutch Pak Product Information

Adjustment detail - 7" and 9" Clutch Paks

- No spring adjustment required
- Tighten bolts to 30 ft-lbs (max)

You will find some overlap within an implement category in the Clutch Pak Selection Guide. The operator will generally know if he has a heavy duty or light duty application. If in doubt, always protect the driveline...refer to the 'general guideline for selecting proper clutch pak' In this section.