
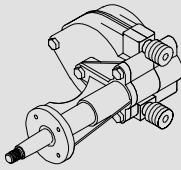

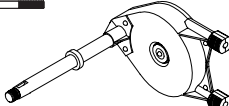

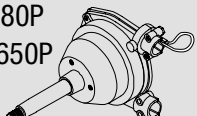

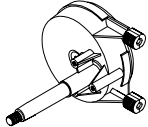




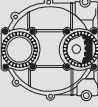
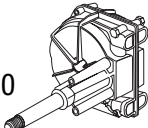


Teleflex Marine Mechanical Steering

Identifying Steering On The Boat:

ORIGINAL SYSTEM NAME (VERSION)	DATES USED & CABLE COLOR(S)	CABLE LOOKS LIKE THIS/ PART NUMBERS	HELM LOOKS LIKE THIS/ PART NUMBERS
Teleflex and Morse Traditional-Technology ROTARY Steering Systems:			
Big-T (older)	1963-1972 White, Blue or Black	 SSC72XX/SC69XXX cable	
Big-T (current)	1972-date White, Blue or Black		Std. SH5000P Tilt SH91525P
Easy-T	1968-1972 Silver	 SC89XX cable	
HPS Rotary	1999-date Black	 SSC63XX cable (use with HPS helm only)	Std. SH5180P Tilt SH91650P 
Midi-T**	1969-1972 Green	 SC75XX cable	
Mini-T	1969-1972 Black	 SC74XX cable	
Morse Command 2 Rotary	OBSOLETE Red	 Command 2 cable	
Morse Command 290	TO DATE		Command 290
Morse Command 250	OBSOLETE Red or Black	300962 or 304411 or 312020 (URC) CABLE	 Command 250
Morse Command 290 Dual Cable Systems	TO 2001 Red or Black	300962 or 304411 or 312020 (URC) CABLE (2 cables required)	Command 290 2-cable helm 


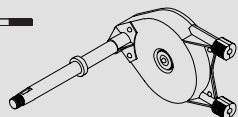

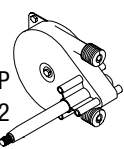
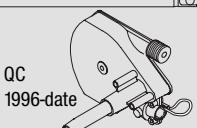
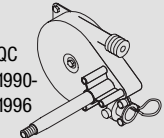
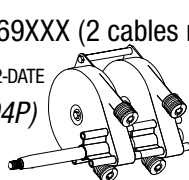
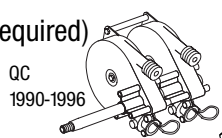
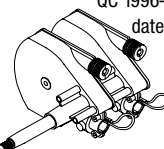

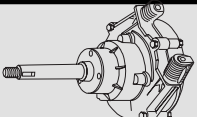

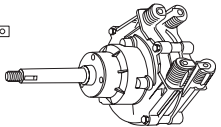
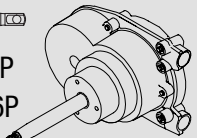
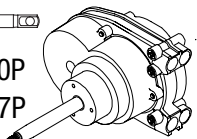
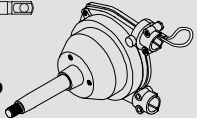
* ** † For footnotes indicated by these symbols, please see page 22.

Suggested Replacement Steering:

ORIGINAL SYSTEM NAME (VERSION)	REPLACEMENT (NON-POWER-ASSIST OUTBOARDS & I/OS)	REPLACEMENT (POWER-ASSIST & SMALL INBOARDS)
<i>Teleflex and Morse Traditional-Technology ROTARY Steering Systems:</i>		
Big-T (older)	Big-T (components)	SeaStar (components)
Big-T (current)	Big-T (components)	SeaStar (components)
Easy-T	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)	HPS Rotary (components) or Safe-T QC (SS137XX)
HPS Rotary	(HPS not recommended for non-power-assist steering)	HPS Rotary (components)
Midi-T**	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)	HPS Rotary (components) or Safe-T QC (SS137XX)
Mini-T	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)	HPS Rotary (components) or Safe-T QC (SS137XX)
Morse Command 2 Rotary	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)	HPS Rotary (components) or Big-T (components)
Morse Command 290	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)	HPS Rotary (components) or Safe-T QC (SS137XX)
Morse Command 250	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)	HPS Rotary (components) or Safe-T QC (SS137XX)
<i>Teleflex Direct Replacement Cable for these systems is SSC52XX</i>		
Morse Command 290 Dual Cable Systems	NFB 4.2 (SS148XX)† or SeaStar (components) <i>(see SeaStar Selection Guide)</i>	Safe-T QC dual (components)
<i>Teleflex Direct Replacement Cable for these systems is SSC52XX</i>		

Teleflex Marine Mechanical Steering

Identifying Steering On The Boat, continued:

ORIGINAL SYSTEM NAME (VERSION)	DATES USED & CABLE COLOR(S)	CABLE LOOKS LIKE THIS/ PART NUMBERS	HELM LOOKS LIKE THIS/ PART NUMBERS
Teleflex and Morse Traditional-Technology ROTARY Steering Systems, continued:			
Safe-T (Version 1)	1968-1972 White or Black	 SC89XX cable	
Safe-T "TS" (Version 2)*	1972-date White or Black	 SSC72XX/SC69XXX cable	Std. SH5023P Tilt SH91523 + SSC62 
Safe-T QC (Quick Connect)	1990-1996 Black	SSC62XX cable	QC 1996-date 
Safe-T QC (Quick Connect)*	1996-date Black	SSC62XX cable	QC 1990-1996 Std. SH5094P; Tilt SH91523P 
Safe-T Dual Cable systems	1975-date White or Black	SSC62XX or SSC72XX/SC69XXX (2 cables required)	QC 1996-date 
	Std. SH5075 (Replace with SH5294P) Tilt SH91524 + 2 SSC62XX cables	"TS" 1972-DATE 	QC 1990-1996 Std. SH5294P; Tilt SH91524P 
Teleflex NFB™ NO-FEEDBACK™ & Morse NFS™ ROTARY Steering Systems:			
Morse NFS	To 2001 Red or Black	 304415 cable	
Morse NFS Dual Cable	To 2001 Red or Black	 304415 cable (2 cables required)	
NFB 4.2	1990-date Black	SSC62XX cable	Std. SH4910P Tilt SH91526P 
NFB 4.2 Dual Cable	1990-date Black	SSC62XX cables (2 required)	Std. SH4920P Tilt SH91527P 
NFB Safe-T II	1996-date Black	SSC62XX cable	Std. SH5150P Tilt SH91190P 

* ** † For footnotes indicated by these symbols, please see page 22.

Suggested Replacement Steering, continued:

ORIGINAL SYSTEM NAME (VERSION)	REPLACEMENT (NON-POWER-ASSIST OUTBOARDS & I/OS)	REPLACEMENT (POWER-ASSIST & SMALL INBOARDS)
<i>Teleflex and Morse Traditional-Technology ROTARY Steering Systems, continued:</i>		
Safe-T (Version 1)	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)	HPS Rotary (components) or Safe-T QC (SS137XX)
Safe-T "TS" (Version 2)*	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)	HPS Rotary (components) or Safe-T QC (SS137XX)
Safe-T QC (Quick Connect) 1990-1996	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)	HPS Rotary (components) or Safe-T QC (SS137XX)
Safe-T QC (Quick Connect) 1996-date	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)	HPS Rotary (components) or Safe-T QC (SS137XX)
Safe-T Dual Cable systems	NFB 4.2 Dual Cable (SS148XX) or SeaStar (components)	Safe-T QC dual (components)
<i>Teleflex NFB™ NO-FEEDBACK™ & Morse NFS™ ROTARY Steering Systems:</i>		
Morse NFS	NFB 4.2 (SS147XX) <i>Teleflex Direct Replacement Cable: SSC72XX or SSC61XX</i>	(NFB not for power steering or inboard)
Morse NFS Dual Cable	NFB 4.2 Dual Cable (SS148XX) <i>Teleflex Direct Replacement Cable: SSC72XX or SSC61XX</i>	(NFB not for power steering or inboard)
NFB 4.2	NFB 4.2 (SS147XX)	(NFB not for power steering or inboard)
NFB 4.2 Dual Cable	NFB 4.2 Dual Cable (SS148XX)	(NFB not for power steering or inboard)
NFB Safe-T II	Safe-T II (SS132XX)	(NFB not for power steering or inboard)


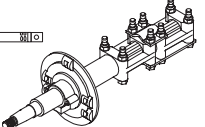
Teleflex Marine Mechanical Steering

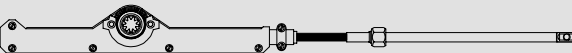
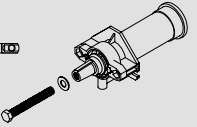
Identifying Steering On The Boat, continued:

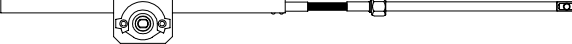
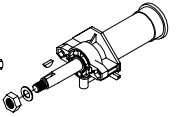

ORIGINAL SYSTEM NAME (VERSION)	DATES USED & CABLE COLOR(S)	CABLE LOOKS LIKE THIS/ PART NUMBERS	HELM LOOKS LIKE THIS/ PART NUMBERS
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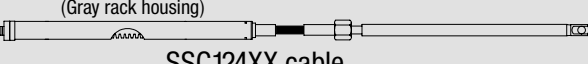
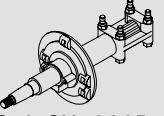
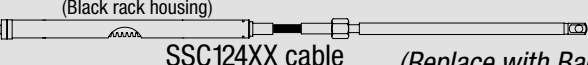
Teleflex and Morse Traditional-Technology RACK & PINION Steering Systems, continued:


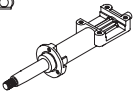
Morse Command 200 Rack	To 2001 Red or Black	 300620 or 300619 cable	
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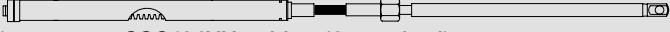
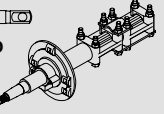
Morse Rack Dual Cable	To 2001 Red or Black	 300620 or 300619 cables (2 required)	
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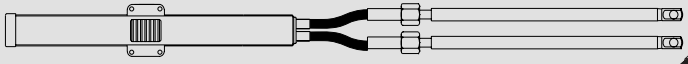
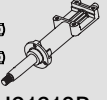
TR211 (Rack & Pinion)	1973-1975 Blue	 SC98XX cable	
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TR188 (Rack & Pinion)	1975-1978 Brown	 SC54XX cable	
TR188 (Rack & Pinion)	1978-1986 Black	 SC105XX cable	


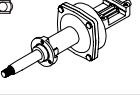
"The Rack" (Rack & Pinion)	1984-1990 Black	(Gray rack housing)  SSC124XX cable	
"The Rack" (Rack & Pinion)	1990-2001 Black	(Black rack housing)  SSC124XX cable	


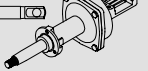
"The Rack" (Back Mount)	1996-date Black	 SSC134XX cable	Std. SH5210P Tilt SH91610P 
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"The Rack" Dual Cable System	To 2001 Black	 SSC124XX cables (2 required) <i>(Replace all dual cable Rack with Backmount Rack)</i>	Std. SH5097P 
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"The Rack" (Back Mount) 2 Cable	1996-up Black	 1 SSC135XX dual-cable	Std. SH5210P; Tilt SH91610P 
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Teleflex NFB™ NO-FEEDBACK™ RACK & PINION Steering Systems:

NFB Rack (Back Mount)*	1996-date Black	 SSC134XX cable	Std. SH5230P; Tilt SH91630P 
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NFB Pro Rack (Back Mount)* Dual Cable System	1996-up Black	 1 SSC135XX dual cable	Std. SH5230P; Tilt SH91630P 
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* ** † For footnotes indicated by these symbols, please see page 22.

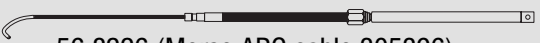

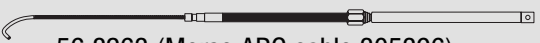
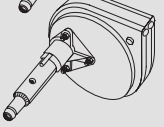

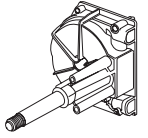
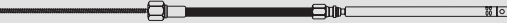
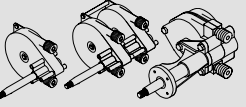
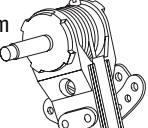
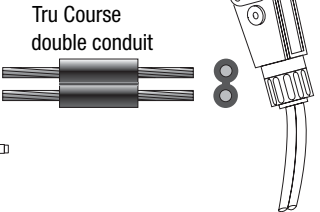

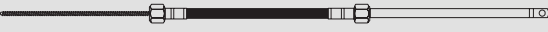
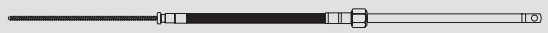

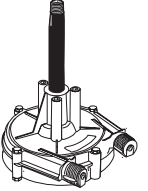

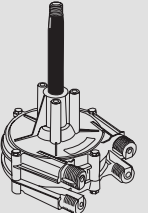
selecting replacement mechanical steering

Suggested Replacement Steering, continued:

ORIGINAL SYSTEM NAME (VERSION)	REPLACEMENT (NON-POWER-ASSIST OUTBOARDS & I/OS)	REPLACEMENT (POWER-ASSIST & SMALL INBOARDS)
<i>Teleflex and Morse Traditional-Technology RACK & PINION Steering Systems, continued:</i>		
Morse Command 200 Rack	NFB Rack (SS151XX)	HPS Rack (components) or The Rack (SS141XX)
<i>Teleflex direct Replacement Cable for these systems is SSC130XX</i>		
Morse Rack Dual Cable	NFB Pro Rack (SS152XX)	The Rack dual (components)
<i>Teleflex direct Replacement Cable for these systems is SSC130XX</i>		
TR211 (Rack & Pinion)	NFB Rack (SS151XX)	HPS Rack (components) or The Rack (SS141XX)
TR188 (Rack & Pinion) 1975-1978	NFB Rack (SS151XX)	HPS Rack (components) or The Rack (SS141XX)
TR188 (Rack & Pinion) 1978-1986	NFB Rack (SS151XX)	HPS Rack (components) or The Rack (SS141XX)
"The Rack" (Rack & Pinion) 1984-1990	NFB Rack (SS151XX)	HPS Rack (components) or The Rack (SS141XX)
"The Rack" (Rack & Pinion) 1990-2001	NFB Rack (SS151XX)	HPS Rack (components) or The Rack (SS141XX)
"The Rack" (Back Mount)	NFB Rack (SS151XX)	HPS Rack (components) or The Rack (SS141XX)
"The Rack" Dual Cable System To 2001	NFB Pro Rack (SS152XX)	The Rack dual (components)
"The Rack" (Back Mount) 2 Cable 1996-up	NFB Pro Rack (SS152XX)	The Rack dual (components)
<i>Teleflex NFB™ NO-FEEDBACK™ RACK & PINION Steering Systems:</i>		
NFB Rack (Back Mount)*	NFB Rack (SS151XX)	(NFB not for power steering or Inboard)
NFB Pro Rack (Back Mount)* Dual Cable System	NFB Pro Rack (SS152XX)	(NFB not for power steering or Inboard)

Teleflex Marine Mechanical Steering

Identifying Steering On The Boat, continued:

ORIGINAL SYSTEM NAME (VERSION)	DATES USED	CABLE LOOKS LIKE THIS/ CABLE PART NUMBERS/ SPECIAL CHARACTERISTICS	HELM LOOKS LIKE THIS
Competitive Brand ROTARY Steering Systems:			
ACCO® Steermaster® MK II	Obsolete	 56-8226 (Morse ARC cable 305396)	
ACCO Steermaster® MK III	Obsolete	 56-8263 (Morse ARC cable 305396)	
Mercury® Ride Guide®	Obsolete	56-8724 (Morse ARC cable 305396)	
Morse Command 290®	Obsolete	 300962, 304411, 304415, 68764	
Morse TRC Cable	Obsolete	 304415 (used only with older Teleflex Helms)*	
OMC® (<i>not</i> Tru-Course)	Obsolete	silver cable**	Tru Course helm with cable 
OMC Tru-Course®	Obsolete	wire rope cable double conduit/ drum type helm (tension system)	Tru Course double conduit 
OMC Thru-Transom I/O	Obsolete	 OMC Thru-Transom Cable (engine end) Morse ORC 305304	
U-Flex® OLD style Cable	TO DATE	 M47 (for Teleflex Big-T/Safe-T Threaded Spigot helms)	
U-Flex NEW style Cable	TO DATE	 M66 (for Command 290/Teleflex Safe-T QC/rotary NFB)	
U-Flex Single Cable	TO DATE	 Rotech T71 (pre-2001 cable with nut is M66; 2001-date cable is M47, M63)	
U-Flex Tilt Single Cable	TO DATE	Rotech T81 (same cables as T71); pre-2001 units use the Morse tilt mechanism	
U-Flex Dual Cable	TO DATE	 Rotech T72 (pre-2001 cable with nut is M66; 2001-date cable is M47, M63)	
U-Flex Tilt Dual Cable	TO DATE	Rotech T82 (same cables as T72); pre-2001 units use the Morse tilt mechanism	

* † For footnotes indicated by these symbols, please see page 22.

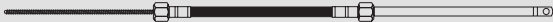
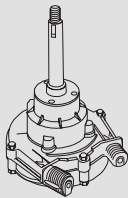
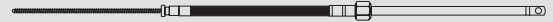

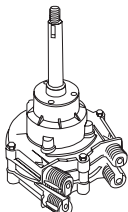


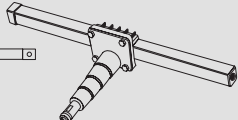
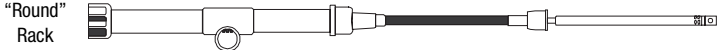




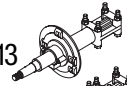

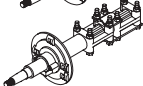


selecting replacement mechanical steering

Suggested Replacement Steering, *continued:*

ORIGINAL SYSTEM NAME (VERSION)	REPLACEMENT (NON-POWER-ASSIST OUTBOARDS & I/OS)	REPLACEMENT (POWER-ASSIST & SMALL INBOARDS)
<i>Competitive Brand ROTARY Steering Systems:</i>		
ACCO® Steermaster® MK II	Big-T (components)	Big-T (components)
ACCO Steermaster® MK III	Big-T (components)	Big-T (components)
Mercury® Ride Guide®	Big-T (components)	Big-T (components)
Morse Command 290®	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)†	HPS or Safe-T QC (SS137XX)
Morse Command 290 Cable Only	SSC52XX (or SSC61 + 3924516P)	SSC52XX (or SSC61 + 3924516P)
Morse TRC Cable	SSC72XX or SSC61XX (Big-T/Safe-T TS)	SSC72XX or SSC61XX (Big-T/Safe-T TS)
OMC® (<i>not Tru-Course</i>)	Safe-T II (SS132)† or NFB 4.2 (SS147XX)†	HPS or Safe-T QC (SS137XX)
OMC Tru-Course®	SeaStar (<i>see SeaStar Selection Guide</i>)	SeaStar (<i>see SeaStar Selection Guide</i>)
OMC Thru-Transom I/O	N/A	N/A
U-Flex® OLD style Cable	SSC72XX or SSC61XX	SSC72XX or SSC61XX
U-Flex NEW style Cable	SSC52XX (C290) or SSC62XX (Teleflex), per existing helm	
U-Flex Single Cable	Safe-T II (SS132XX/SS147XX)†	HPS or Safe-T QC (SS137XX)
U-Flex Tilt Single Cable	Safe-T II Tilt† (components)	HPS or Safe-T QC Tilt (components)
U-Flex Dual Cable	SeaStar (components)	Safe-T QC dual (components)
U-Flex Tilt Dual Cable	NFB 4.2 Dual Tilt† (components)	Safe-T QC Dual Tilt (components)

Teleflex Marine Mechanical Steering

Identifying Steering On The Boat, continued:

ORIGINAL SYSTEM NAME (VERSION)	DATES USED	CABLE LOOKS LIKE THIS/ CABLE PART NUMBERS/ SPECIAL CHARACTERISTICS	HELM LOOKS LIKE THIS
Competitive Brand ROTARY Steering Systems, continued:			
U-Flex NR Single Cable	TO DATE	 Accura T73NR (pre-2001 cable is M66; 2001-date is M47); was Morse NFS single cable helm	
U-Flex NR Tilt Single Cable	TO DATE	 Accura T83NR (same cables as T73); pre-2001 units use the Morse tilt mechanism	
U-Flex NR Dual Cable	TO DATE	 Accura T74NR (pre-2001 cable is M66; 2001-date is M47); was Morse NFS dual cable helm	
U-Flex NR Tilt Dual Cable	TO DATE	 Accura T84NR (same cables as T74); pre-2001 units use the Morse tilt mechanism	
Competitive Brand Rack & Pinion Steering Systems:			
ACCO	Obsolete	 56-8724 (Morse ARC cable 305396)	
DetMar® (Detroit Marine)	TO DATE	 "Round" Rack  "Square" Rack 4-200, 4-440, 4-600, DM500 (Morse DRC cable 305013)	
Mercury Ride Guide and Quicksilver®	Obsolete	 "Square" Rack  "Round" Rack C11111AXX, C34451XX, C76043XX, C76876, C-11110 (Morse MRC cable 304860)	
Morse Command 200®	Obsolete	 300001, 300002, 300619, 300620, 304860, 304934, 304935, 305013	
Morse TRRC Cable	Obsolete	 308664 (for 1984-2001 Teleflex "The Rack" helms only)*	
Morse Command 401®	Obsolete	 47209	
OMC Rack & Pinion	Obsolete	 1719, 2805/200	
U-Flex old style cable	TO DATE	M86 (for Command 200/Teleflex "old style" The Rack; (requires correct C200 or 1984-2001 Teleflex "The Rack" helm)	
U-Flex Rack & Pinion	TO DATE	All Rack & Pinion	

* † For footnotes indicated by these symbols, please see page 22.

selecting replacement mechanical steering

Suggested Replacement Steering, continued:

ORIGINAL SYSTEM NAME (VERSION)	REPLACEMENT (NON-POWER-ASSIST OUTBOARDS & I/OS)	REPLACEMENT (POWER-ASSIST & SMALL INBOARDS)
Competitive Brand ROTARY Steering Systems, continued: Competitive Brand ROTARY Steering Systems:		
U-Flex NR Single Cable	Safe-T II (SS132XX)† or NFB 4.2 (SS147XX)†	(NFB not for power steering)
U-Flex NR Tilt Single Cable	Safe-T II Tilt (components)† or NFB 4.2 Tilt (SS157XX)†	(NFB not for power steering)
U-Flex NR Dual Cable	NFB 4.2 Dual Cable (SS148XX)†	(NFB not for power steering)
U-Flex NR Tilt Dual Cable	NFB 4.2 Dual Cable Tilt† (components)	(NFB not for power steering)
Competitive Brand Rack & Pinion Steering Systems:		
ACCO	NFB Rack (SS151XX)†	HPS Rack (components) or The Rack (SS141XX)
DetMar® (Detroit Marine)	NFB Rack (SS151XX)†	HPS Rack (components) or The Rack (SS141XX)
Mercury Ride Guide and Quicksilver®	NFB Rack (SS151XX)†	HPS Rack (components) or The Rack (SS141XX)
Morse Command 200®	NFB Rack (SS151XX)†	HPS Rack (components) or The Rack (SS141XX)
Morse Command 200 Cable Only Morse TRRC Cable Only	SSC130XX (replaces 300619, 300620) SSC124XX	SSC130XX (replaces 300619, 300620) SSC124XX
Morse Command 401®	NFB Rack (SS151XX)†	HPS Rack or The Rack (SS141XX)
OMC Rack & Pinion	NFB Rack (SS151XX)† <i>(NOTE: Thru-transom cable not avail.)</i>	HPS Rack or The Rack (SS141XX) <i>(NOTE: Thru-transom cable not avail.)</i>
U-Flex old style cable	SSC130XX (Morse C200 helm) or SSC124XX (Teleflex SH5098 helm)	SSC130XX (Morse C200 helm) or SSC124XX (Teleflex SH5098 helm)
U-Flex Rack & Pinion	NFB Rack (SS151XX)†	HPS Rack (components) or The Rack (SS141XX)

Teleflex Marine Mechanical Steering

Footnotes to Previous Charts

"Identifying Steering on the Boat"

Teleflex and Morse Brands:

* Since this may be relatively new, replacement of entire system may not be necessary. Please consult your dealer/distributor to determine which part of the system may need to be replaced. If engine is power-assisted, NFB steering cannot be used. Note that only difference between 1990-1996 and 1996-date Safe-T QC helms is shape of the helm housing castings.

** Slight dash modification required for installation of recommended new helm. If engine is power-assisted, NFB steering cannot be used.

† Safe-T II is for engines up to and including V-4's. For manually steered outboards larger than V-4, use NFB 4.2.

KEY TO CHART HEADINGS: Rotary Steering has a rounded diecast helm (steering gear case) behind dash; Rack & Pinion Steering has a long metal tubular rack housing behind dash; Hydraulic Steering has 2 or 3 hoses (or tubing sections) attached to helm behind dash.

"Identifying Steering on the Boat"

Competitive Brands:

* Cable only can be replaced if Teleflex helm is present. ** Some dashboard modifications required to install Teleflex helm.

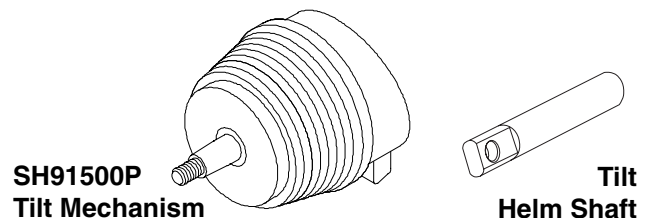
† No FeedBack steering is recommended for non-power-assisted engines only. Safe-T II is for engines up to and including V-4's. For manually steered outboards larger than V-4, use NFB 4.2 (single or dual cable) or NFB Rack (single or dual cable). If engine is power-assisted, NFB steering cannot be used.

NOTE: When a Rack system is being replaced by a Rotary system (or vice-versa), you must measure for the replacement system using Teleflex catalog measuring instructions. For example: a 15-foot rack system would not be replaced by a 15-foot rotary system. See steering cable measurement section for information on how to measure for replacement cables. The Morse (P/N 312020) and U-Flex (P/N M66) "universal" replacement cables for rotary steering systems are not recommended for use with Teleflex helms. In accordance with A.B.Y.C. recommended practices, Teleflex recommends that engine maker connection kits be used with all outboard motors.

Replacing Teleflex Tilt Steering?



Mechanical Tilt Steering is sold either as Dash Module Kits (for all popular helms) or Separate Components (for all mechanical helms). Please see the previous steering identification charts and the Tilt Steering and Steering System pages in this catalog. **If ordering components, you will need a SH91500P Tilt Mechanism PLUS the Tilt Helm.**



NOTE: Tilt helms are similar to standard helms except for the shaft (threaded on a standard helm; flat with a cross-hole on a tilt helm.)