SPECIFICATIONS

ITEM SPECIFICATION

ITEM SPECIFICATION

Item	Specification	Fill Capacity
Motorcraft® Transfer Case Fluid XL-12	ESP-M2C166-H	1.4L (2.9 pt)
RTV Silicone Sealant TA-31	-	-
Silicone Gasket and Sealant TA-30	WSE-M4G323-A4	-
Thread Sealant with PTFE TA-24	WSK-M2G350-A2	-
Ultra Silicone Sealant TA-29	-	-

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS

Description	Nm	lb-ft	lb-in
Crossmember bolts	90	66	-
Drain plug	15	-	133
Exhaust heat shield bolts	15	-	133
Exhaust support bracket bolt	35	26	-
Fill plug	15	-	133
Mode Indication Switch (MIS)	41	30	-
Skid plate bolts	40	30	-
Transfer case bolts (1)	-	-	-
Transfer case field coil nuts	10	-	89
Transfer case-to-transmission bolts (1)	-	-	-
Transmission mount bolts	90	66	-
Transmission mount nuts	25	18	-
Electronic Shift-On-The-Fly (ESOF)			
Shift motor bolts	10	-	89
Shift motor nuts	3	-	27
Mechanical Shift-On-The-Fly (MSOF)			
Shift cable mounting bracket nuts	28	21	-
Shift lever assembly bolts	8	-	71
Shift lever set screw	10	-	89
(1) Refer to the appropriate procedure(s).			

DESCRIPTION AND OPERATION

TRANSFER CASE

Mechanical Shift

The mechanical shift transfer case system consists of the:

- Mode Indication Switch (MIS)
- Transfer Case Control Module (TCCM)
- Integrated Wheel End (IWE) solenoid
- Integrated Wheel Ends (IWEs)
- Transfer case

The Borg-Warner 4418 manual shift transfer case is a 2-piece magnesium design. The unit transfers engine power from the transmission to the front and rear axles. Under normal driving conditions, the unit is in 2-Wheel Drive (2WD) high (2H), but when desired, the operator may shift into Four-Wheel Drive (4WD) high (4H) or 4WD low (4L). The transfer case is shifted manually. The unit is lubricated by a positive displacement fluid pump that channels fluid flow through holes in the rear output shaft.

Electronic Shift

The electronic shift transfer case system consists of the:

- Mode Select Switch (MSS)
- **TCCM**
- **IWE** solenoid
- **IWEs**
- Transfer case
- Transfer case shift motor

The Borg-Warner 4419 electronic shift transfer case is a 2-piece magnesium design. The unit transfers engine power from the transmission to the front and rear axles. Under normal driving conditions the unit is in **2WD** high (2H), but when desired, the operator may shift into **4WD** high (4H) or **4WD** low (4L). The transfer case is shifted electronically. The unit is lubricated by a positive displacement fluid pump that channels fluid flow through holes in the rear output shaft.

All-Wheel Drive (AWD)

The All-Wheel Drive (AWD) consists of the:

- Mode Select Switch (MSS)
- **TCCM**
- **IWE** solenoid
- **IWEs**

The Borg-Warner one-speed torque-on-demand (TOD) transfer case is a 2-piece magnesium design. The transfer case is equipped with an internal electromagnetic clutch. The unit transfers engine power from the

transmission to the front and rear axles. Under normal driving conditions, the unit is in **AWD** , but when desired, the operator may shift into 4H. The transfer case is shifted electronically. The unit is lubricated by a positive displacement fluid pump that channels fluid flow through holes in the rear output shaft.

DIAGNOSIS AND TESTING

TRANSFER CASE

Refer to **FOUR WHEEL DRIVE (4WD) SYSTEMS** .

GENERAL PROCEDURES

TRANSFER CASE DRAINING AND FILLING

Special Tool(s)

SPECIAL TOOL REFERENCE

	Oil Suction Gun 303-D104 (D94T-9000-A)

Material

ITEM SPECIFICATION

Item	Specification
Motorcraft® Transfer Case Fluid XL-12	ESP-M2C166-H
Thread Sealant with PTFE TA-24	WSK-M2G350-A2

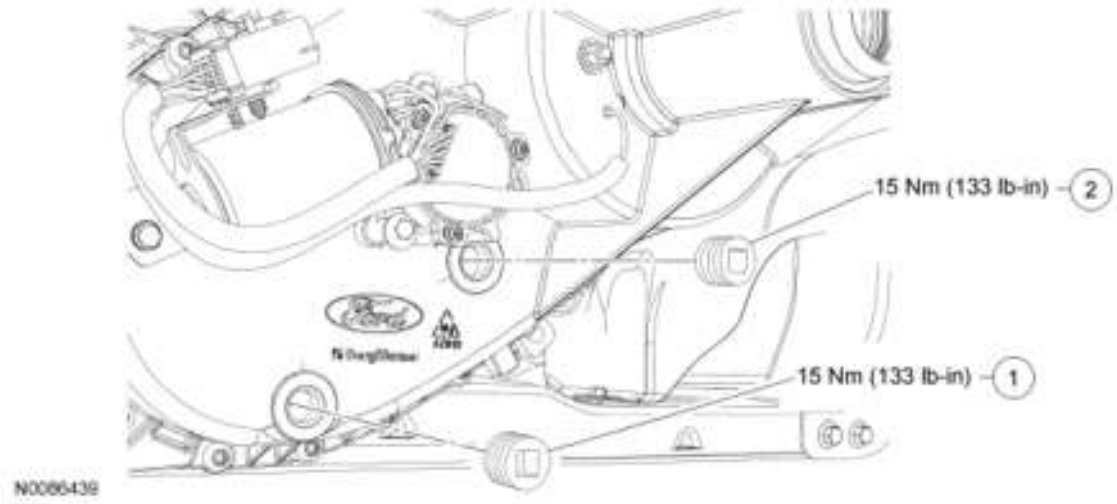


Fig. 1: Identifying Drain Plug And Fill Plug With Torque Specifications
Courtesy of FORD MOTOR CO.

ITEM DESCRIPTION

Item	Part Number	Description
1	7A110	Drain plug
2	7A110	Fill plug

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to **JACKING & LIFTING** .

NOTE: Position a drain pan under the transfer case.

2. Remove the drain plug and drain the fluid.
3. Clean the drain plug and the drain plug area. Apply thread sealant to the drain plug threads and install the drain plug.
   - To install, tighten to 15 Nm (133 lb-in).

NOTE: Prior to removal, clean the area around the fill plug.

4. Remove the fill plug.

NOTE: Incorrect fluid fill will result in transfer case failure.

5. Using the Oil Suction Gun, fill the transfer case with the recommended fluid, to specification.
   - Transfer case capacity is 1.4L (2.9 pt).
   - The fluid must be 7 mm (0.27 in) below the fill plug hole.

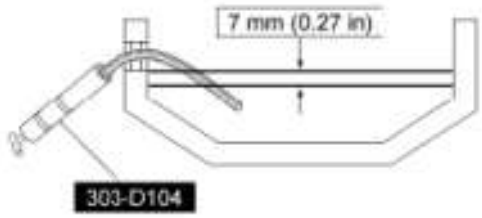


Fig. 2: Filling Transfer Case With Recommended Fluid
Courtesy of FORD MOTOR CO.

6. Apply thread sealant to the fill plug threads, then install the fill plug.
   - Tighten to 15 Nm (133 lb-in).

IN-VEHICLE REPAIR

TRANSFER CASE SHIFT LEVER

Special Tool(s)

SPECIAL TOOL REFERENCE

	Remover, Transmission Fluid Pump 307-553

 ST1351-A	Slide Hammer 100-001 (T50T-100-A)

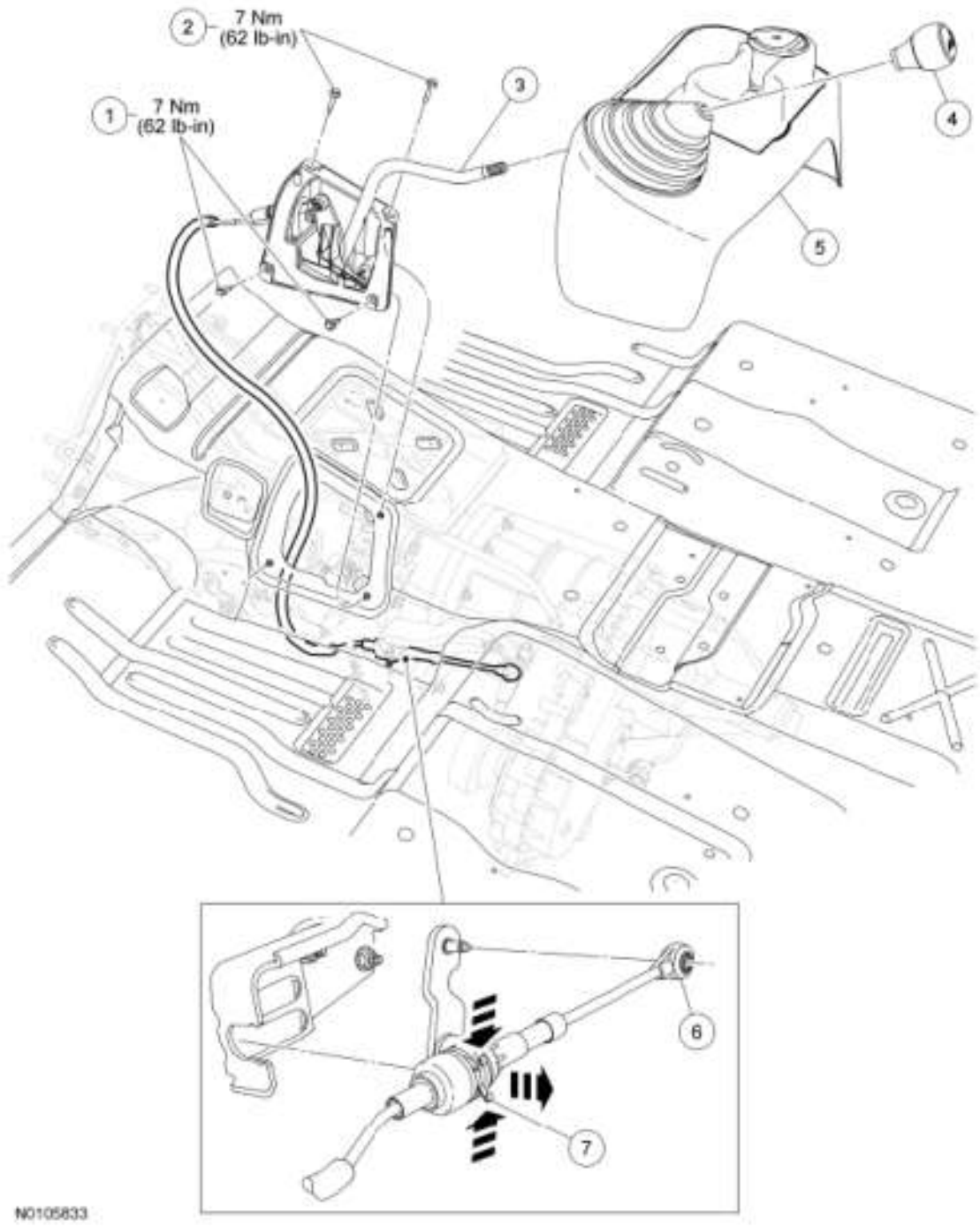


Fig. 3: Identifying Transfer Case Shift Lever Components With Torque Specifications
Courtesy of FORD MOTOR CO.

ITEM DESCRIPTION

Item	Part Number	Description
1	W807391	Lower shift lever assembly bolts (2 required)
2	W807391	Upper shift lever assembly bolts (2 required)
3	7E069	Shift lever assembly
4	7E067	Shift lever knob
5	045A36	Consolette
6	7E069	Cable end (part of 7E069)

7	7E069	Cable clip (part of 7E069)

Removal

NOTE: The transfer case shift lever and cable are serviced as an assembly.

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to **JACKING & LIFTING** .
2. Release the clip securing the shift cable to the shift cable mounting bracket and disconnect the cable end from the transfer case shift lever.

NOTE: Install a durable cloth between the Transmission Fluid Pump Remover and the shift lever shaft and knob, failure to do so may cause damage to the components.

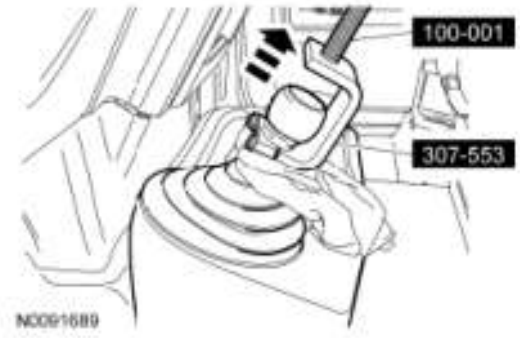


Fig. 4: Removing Shift Lever Knob
Courtesy of FORD MOTOR CO.

3. Remove the shift lever knob, using the Transmission Fluid Pump Remover and the Slide Hammer.
4. Remove the consolette by pulling upward, releasing the 4 clip-type retainers securing the consolette.
5. Remove the LH cowl trim panel. For additional information, refer to **INTERIOR TRIM AND ORNAMENTATION** .
6. Position the carpet away from the shift lever.
7. Remove the 4 bolts and the shift lever assembly.

Installation

1. Install the shift lever assembly and the 4 bolts.
   - Tighten to 7 Nm (62 lb-in).
2. Position the carpet in place.
3. Install the LH cowl trim panel. For additional information, refer to **INTERIOR TRIM AND ORNAMENTATION** .
4. Install the consolette, securing the 4 clip-type retainers.
5. Install the shift lever knob, carefully tap the knob until it is fully seated.
6. Secure the shift cable to the shift cable mounting bracket and connect the cable end to the transfer case shift lever.

TRANSFER CASE REAR OUTPUT SHAFT SEAL

Special Tool(s)

SPECIAL TOOL REFERENCE

	Installer, Input Shaft Oil Seal 308-249 (T96T-7127-A)

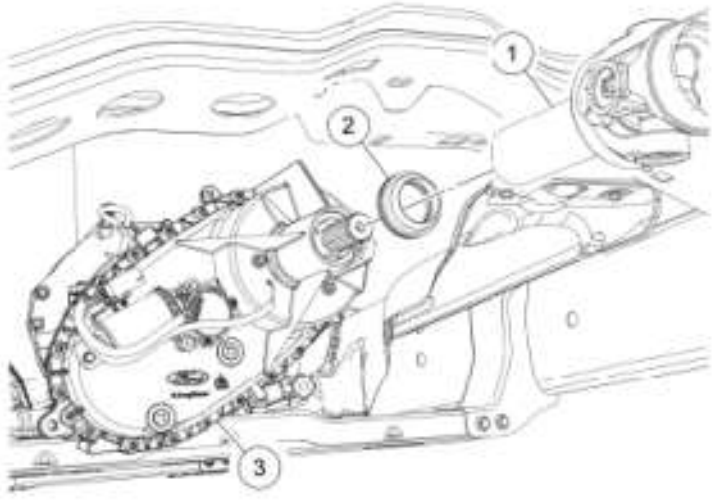


Fig. 5: Identifying Transfer Case Rear Output Shaft Seal, Transfer Case And Drive Shaft
Courtesy of FORD MOTOR CO.

ITEM DESCRIPTION

Item	Part Number	Description
1	4602	Driveshaft
2	7B215	Rear output shaft seal
3	7A195	Transfer case

Removal

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to **JACKING & LIFTING** .
2. Remove the rear driveshaft. For additional information, refer to **DRIVESHAFT** .
3. Using a suitable seal puller, remove the rear output shaft seal.

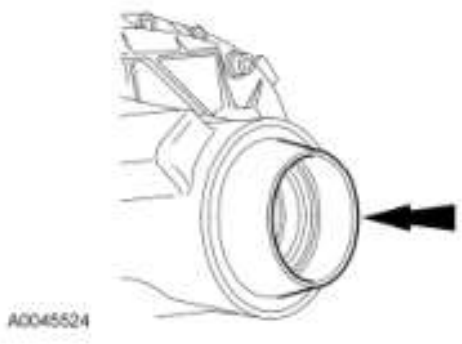


Fig. 6: Locating Transfer Case Rear Output Shaft Seal
Courtesy of FORD MOTOR CO.

Installation

1. Using the Input Shaft Oil Seal Installer, install the rear output shaft seal.

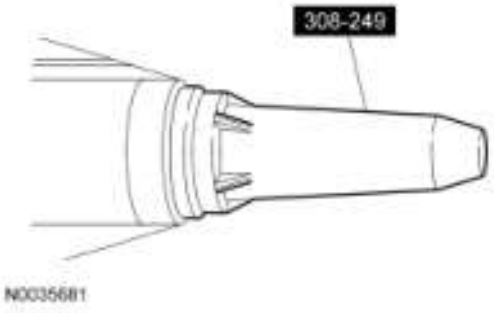


Fig. 7: Identifying Input Shaft Oil Seal Installer
Courtesy of FORD MOTOR CO.

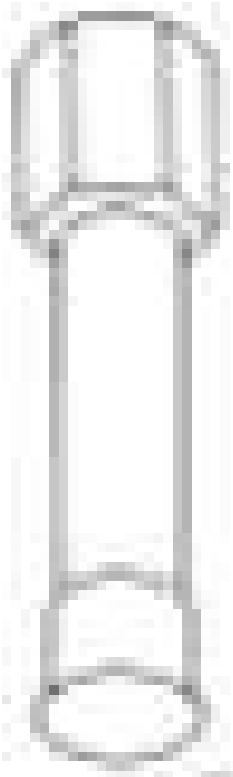
2. Install the rear driveshaft. For additional information, refer to **DRIVESHAFT** .

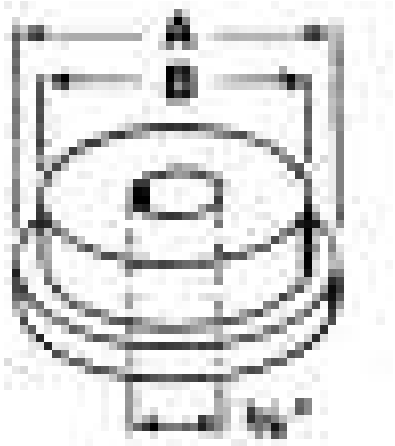
DISASSEMBLY AND ASSEMBLY

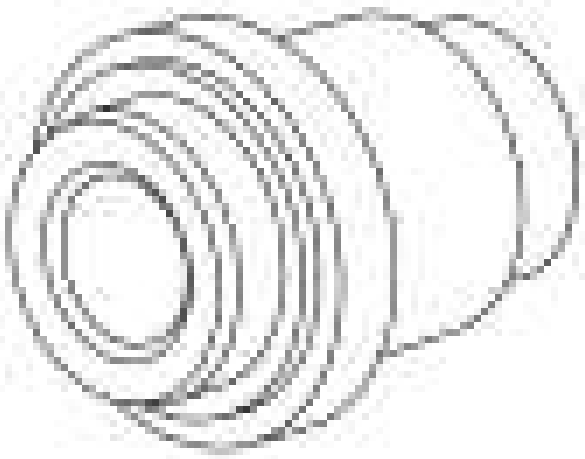
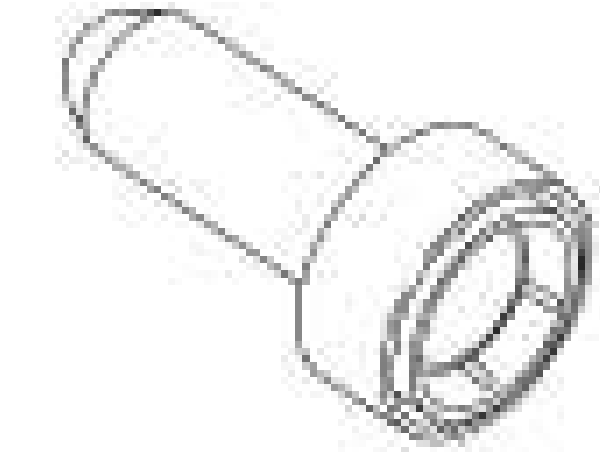
TRANSFER CASE - MECHANICAL SHIFT

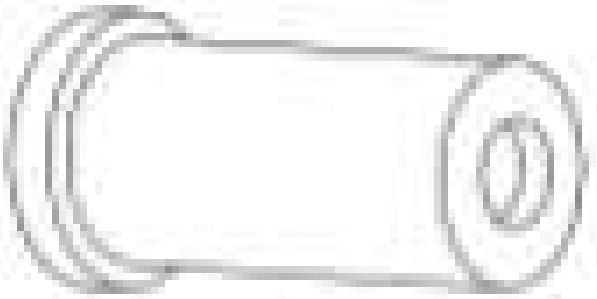
Special Tool(s)

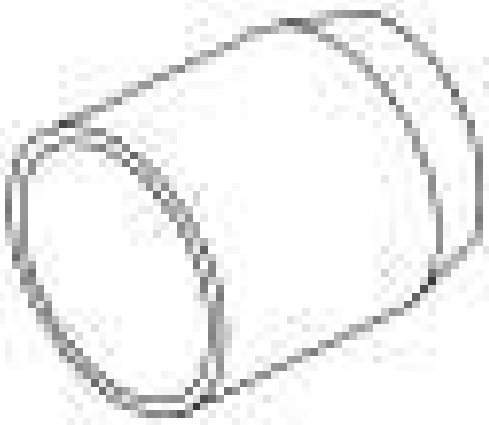
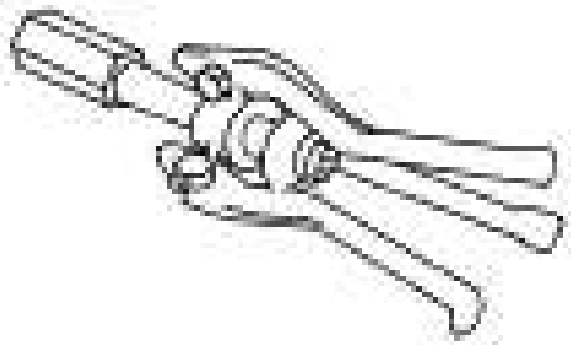
SPECIAL TOOL REFERENCE

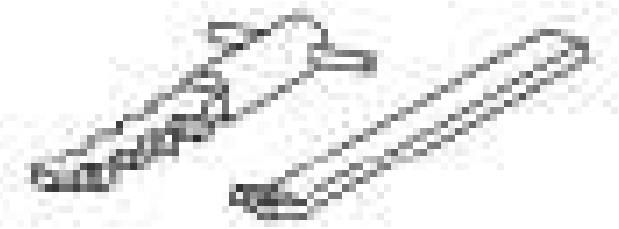
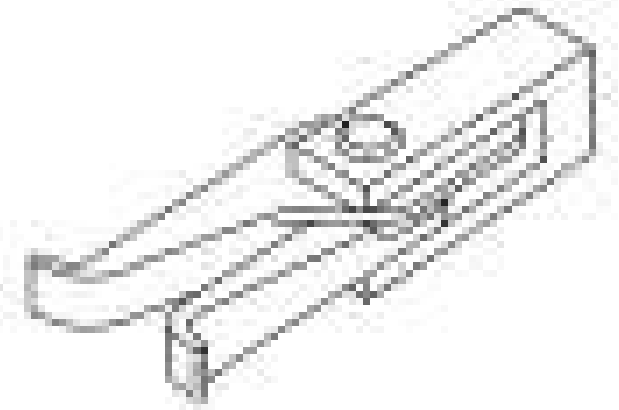
	Collet, (1 1/4" to 1 1/2") 303-D022 (D80L-100-T) or equivalent
	Handle 205-153 (T80T-4000-W)

 ST1186-A	Holding Fixture, Transmission 307-003 (T57L-500-B)
 ST1471-A	Installer, Bearing Cup 308-017 (T73T-4222-B)
	Installer, Input Shaft Bearing 308-085 (T83T-7025-C)

 ST1769-A	
 ST2305-A	Installer, Input Shaft Oil Seal 308-186 (T90T-7127-B)
	Installer, Input Shaft Oil Seal 308-249 (T96T-7127-A)

 ST2261-A	
 ST1768-A	Installer, Mainshaft Bearing 308-060 (T77J-7025-K)
	Installer, Valve Stem Oil Seal 303-367 (T90P-6510-AH)

 ST1466-A	
 ST1143-A	Protector, Shaft Oil Seal 308-251 (T96T-7127-C)
 ST1200-A	Remover, Bearing Cup 308-047 (T77F-1102-A)

 ST1385-A	Remover, Oil Seal 303-409 (T50T-6700-CH)
 ST1382-A	Remover, Stator Bearing 307-318 (T94P-77001-KH)
	Slide Hammer 100-001 (T50T-100-A)

0DWHULDO

,7(0 63(&,),&$7,21

,WHP	6SHFLILFDWLRQ
579 6LOLFRQH 6HDODQW 7$	
6LOLFRQH *DVNHW DQG 6HDODQW 7$	:6(0 * $
8OWUD 6LOLFRQH 6HDODQW 7$	

7UDQVIHU &DVH ([SORGHG 9LHZ 0HFKDQLFDO 6KLIW

Fig Exploded View Of Transfer Case Mechanical Components Of
Courtesy of FORD MOTOR CO.

ITEM DESCRIPTION

Item	Part Number	Description
	D	Output shaft hub
	D	Spring
		Locking collar
		Drive sprocket
	Z	Thrust washer

	$	2LO SXPS DVVHPEO\
		2XWSXW VKDIW
		5HGXFWLRQ KXE DVVHPEO\
	'	7KUXVW EHDULQJ
		+RVH FODPS
		+RVH
	$	/XEH SLFNXS DQG ILOWHU
		1HHGOH EHDULQJ
	$	)URQW SODQHW FDUULHU
		6QDS ULQJ
	$	5LQJ JHDU
		9HQW WXEH
		%HDULQJ
	(	6KLIW VKDIW RLO VHDO
	%	6KLIW OHYHU DVVHPEO\
	&	'HWHQW VSULQJ
	&	'HWHQW UROOHU
	)	0HFKDQLFDO VKLIW FDP
	$	%ROW
	$	'ULYH FKDLQ DVVHPEO\
		%HDULQJ
		6QDS ULQJ
		'ULYHQ VSURFNHW
	(	0DJQHW
		'RZHO SDUW RI
	%	)URQW RXWSXW VKDIW VHDO
		)URQW RXWSXW VKDIW
	%	,QSXW IODQJH VHDO
		&DVH
	&	&DVH VWXG
	1*	1XW
	(	0RGH ,QGLFDWLRQ 6ZLWFK 0,6

)LJ ([SORGHG 9LHZ 2I 7UDQVIHU &DVH &RPSRQHQW 2I &RXUWHV\ RI)25' 02725 &2

,7(0 '(6&5,37,21

,WHP	3DUW 1XPEHU	'HVFULSWLRQ
	)	6SULQJ
	+	$UPDWXUH
		6QDS ULQJ
	*	/RFNXS KXE DVVHPEO\
	*	7UDQVIHU FDVH ILHOG FRLO
		%HDULQJ
		&DVH
	$	%ROW
	1*	1XW
		%XVKLQJ SDUW RI
		6HDOLQJ ULQJ SDUW RI
	%	5HDU RXWSXW VKDIW VHDO
	)	6KLSSLQJ SOXJ

	$	&DVH SOXJV
		%DU FRGH ODEHO SDUW RI
		%HDULQJ
		/RFNXS IRUN VSULQJ
		6KLIW UDLO
		6QDS ULQJ
		/RFNXS IRUN
		5HGXFWLRQ VKLIW IRUN DVVHPEO\
	&	6KLIW IRUN SDG
	%	&RLO QXW ZDVKHU

'LVDVVHPEO\

127('LVFDUG DOO VHDOV DIWHU UHPRYLQJ WKHP

127(3ODFH WKH WUDQVIHU FDVH LQ IURQW RI WKH GLVDVVHPEO\ LW

&OHDQ WKH WUDQVIHU FDVH FRPSOHWHO\ VROYHQW DQG GU\ ZLW
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)LJ ,GHQWLI\LQJ 7UDQVPLVVLRQ +ROGLQJ)L[WXUH
&RXUWHV\ RI)25' 02725 &2

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)LJ /RFDWLQJ 0RGH ,QGLFDWLRQ 6ZLWFK
&RXUWHV\ RI)25' 02725 &2

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)LJ /RFDWLQJ 5HDU 2XWSXW 6KDIW 6HDO
&RXUWHV\ RI)25' 02725 &2

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&RXUWHV\ RI)25' 02725 &2

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&RXUWHV\ RI)25' 02725 &2

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)LJ 6HSDUDWLQJ &RYHU)URP &DVH
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5HPRYH WKH FRLO KRXVLQJ

)LJ 5HPRYLQJ &RLO +RXVLQJ &RXUWHV\ RI)25' 02725 &2

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5HPRYH WKH ORFNXS KXE
5HPRYH WKH VKLIW IRUN DQG VSULQJ

)LJ 5HPRYLQJ 6KLIW)RUN $QG 6SULQJ &RXUWHV\ RI)25' 02725 &2

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'LVDVVHPEOH WKH ORFNXS KXE DVVHPEO\
5HPRYH WKH ORFNXS KXE VQDS ULQJ
6HSDUDWH WKH ORFNXS FROODU
6HSDUDWH WKH ORFNXS VSULQJV
6HSDUDWH WKH ORFNXS KXE
5HPRYH WKH DUPDWXUH

)LJ 'LVDVVHPEOLQJ /RFNXS +XE $VVHPEO\ &RXUWHV\ RI)25' 02725 &2

127(5HPRYH WKH GULYH FKDLQ DQG VSURFNHWV DV

)LJ 5HPRYLQJ 'ULYH &KDLQ $QG 6SURFNHWV $V $Q $V

&RXUWHV\ RI)25' 02725 &2

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VKDIW
5HPRYH WKH VKLIW UDLO

)LJ 5HPRYLQJ 6KLIW 5DLO
&RXUWHV\ RI)25' 02725 &2

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5HPRYH WKH VKLIW IRUN
5HPRYH WKH UHGXFWLRQ KXE

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&RXUWHV\ RI)25' 02725 &2

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&RXUWHV\ RI)25' 02725 &2

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)LJ /RFDWLQJ 7KUXVW %HDULQJ
&RXUWHV\ RI)25' 02725 &2

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5HPRYH WKH ULQJ JHDU VQDS ULQJ
5HPRYH WKH ULQJ JHDU

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)LJ 5HPRYLQJ)URQW 3ODQHWDU\ &DUULHU %HDULQJ 8VLQ
&RXUWHV\ RI)25' 02725 &2

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5HPRYH WKH IURQW RXWSXW VKDIW
5HPRYH WKH IURQW RXWSXW VKDIW VQDS ULQJ

5HPRYH WKH IURQW RXWSXW VKDIW

)LJ 5HPRYLQJ)URQW 2XWSXW 6KDIW
&RXUWHV\ RI)25' 02725 &2

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)LJ 5HPRYLQJ)URQW 2XWSXW 6KDIW 7KURXJK %HDULQJ 8VLQJ 6
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH %HDULQJ &XS 5HPRYHU 7R 3XOO WKH 6KDIW

)LJ 5HPRYLQJ)URQW 2XWSXW 6KDIW 7KURXJK 6HDO 8VLQJ 6SHF
&RXUWHV\ RI)25' 02725 &2

127($FFHVV WKH VKLIW OHYHU VHWKROHZ WKURXJK

)LJ /RFDWLQJ 6KLIW /HYHU 6HW 6FUHZ
&RXUWHV\ RI)25' 02725 &2

/RRVHQ WKH VKLIW OHYHU VHW VFUHZ
5HPRYH WKH VKLIW OHYHU [illegible]

)LJ 5HPRYLQJ 6KLIW /HYHU [illegible]
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH &RROHW [illegible]

)LJ 5HPRYLQJ 6KLIW /HYHU [illegible]
&RXUWHV\ RI)25' 02725 &2

$VVHPEO\

8VLQJ WKH 9DOYH 6WHP [illegible]

)LJ ,QVWDOOLQJ 6KLIW /HYHU 6HDO
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH VKLIW OHYHU VHDO ...

)LJ ,QVWDOOLQJ 6KLIW /HYHU ...
&RXUWHV\ RI)25' 02725 &2

127($FFHVV WKH VKLIW OHYHU VHW VFUHZ WKURXJK ...

7LJKWHQ WKH VKLIW OHYHU VHW VFUHZ

- 7LJKWHQ WR 1P OE LQ

)LJ /RFDWLQJ 6KLIW /HYHU 6HW 6FUHZ
&RXUWHV\ RI)25' 02725 &2

8VLQJ D VXLWDEOH SUHVV ... ,QVWDOO ...
EHDULQJ

)LJ ,GHQWLI\LQJ %HDULQJ &XS ,QVWDOOHU :LWK +DQ
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH ,QSXW 6KDIW 2LO 6HDO ,QVWDOOHU VKDIW WKH IURQW RXWSXW VKDIW VHDO

)LJ ,QVWDOOLQJ)URQW <RNH 6SHFLDO 7RRO 6HDO 8VLQJ
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH IURQW RXWSXW VKDIW
3RVLWLRQ WKH IURQW RXWSXW VKDIW
,QVWDOO WKH IURQW RXWSXW VKDIW VQDS ULQJ

)LJ ,QVWDOOLQJ)URQW 2XWSXW 6KDIW
&RXUWHV\ RI)25' 02725 &2

8VLQJ D SUHVV DQG D VXLWDEOH WKH IURQW SLQLRQ VHDO

)LJ ,QVWDOOLQJ)URQW 3ODQHW &DUULHU %HDULQJ &RXUWHV\ RI)25' 02725 &2

3RVLWLRQ WKH ULQJ JHDU LQ WKH IURQW SODQHW FDUULHU DQG VHFXUH LW ,I UHPRYHG XVLQJ D VXLWDEOH SHUPDQHQW PDUNHU LQVWDOO WKH IURQW SODQHW FDUULHU

)LJ /RFDWLQJ)URQW 2XWSXW 6KDIW $QG 6QDS 5LQJ &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH IURQW SODQHW FDUULHU DQG WKH WKUXV

)LJ ,QVWDOOLQJ)URQW 3ODQHW &DUULHU $QG 7KUXV &RXUWHV\ RI)25' 02725 &2

8VLQJ WKH 6KDIW 2LO 6HDO 3XOOHU 7RRO DQG 6KDIW 6HDO ,QS

)LJ ,QVWDOOLQJ ,QSXW 6HDO 8VLQJ 6SHFLDO 7RRO &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH VKLIW IRUN DQG WKH UHGXFWLRQ KXE

)LJ /RFDWLQJ 6KLIW)RUN $QG 5HGXFWLRQ +XE &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH VKLIW UDLO

)LJ ,QVWDOOLQJ 6KLIW 5DLO &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH RLO SXPS RZDWKHU VKDIW DQG WKH WKUX

)LJ ,QVWDOOLQJ 2LO 3XPS W2XDWSKXHWU 6KDIW $QG 7KUXV
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH PDJQHW LQWR LWV VORW LQ WKH FDVH

)LJ ,QVWDOOLQJ 2LO 3DQ 0DJQHW
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH GULYH FKDLQ DQG VSURFNHWV DV DQ DVV

)LJ ,QVWDOOLQJ 'ULYH &KDLQ $QG 6SURFNHWV
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH ORFNXS KXE Z,WK WKH VPDOO VFUHZ SRLQWLQG DFURVV ER
3RVLWLRQ WKH ORFNXS FROODU
,QVWDOO WKH ORFNXS FROODU VSULQJV
,QVWDOO WKH ORFNXS KXE
,QVWDOO WKH DUPDWXUH

,QVWDOO WKH ORFNXS KXE VQDS ULQJ

)LJ $VVHPEOLQJ /RFNXS +XE $VVHPEO\
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH ORFNXS KXE DQG WKH VKLIW IRUN DQG VS

)LJ /RFDWLQJ /RFNXS +XE $QG6KLIW)RUN $QG 6SU
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH FRLO KRXVLQJ

)LJ ,QVWDOOLQJ &RLO +RXVLQJ
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH VQDS ULQJ

)LJ /RFDWLQJ 6QDS 5LQJ
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH 0DLQVKDIW %HHDUHLQJ RQ WKH 6KDIW %HDULQJ

)LJ ,QVWDOOLQJ 5HDU 2XWSXW 6KDIW %HDULQJ
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH 0DLQVKDIW %HHDUHLQJ RQ WKH 6KDIW %HDULQJ

)LJ ,QVWDOOLQJ)URQW 2XWSXW 6KDIW 5HDU %HDULQJ
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH WUDQVIHU JHDU RQWR WKH LQSXW VKDIW FRLO ZDVKHUV DQ

- 7LJKWHQ WR LQ1P OE

)LJ 5HPRYLQJ &RLO 1XWV $QG :DVKHUV
&RXUWHV\ RI)25' 02725 &2

127(,I WRR PXFK VLOLFRQH VHDODQW LV XVHG
WKH H[FHVV VHDODQW FDQ SOXJ WKH WUDQVIHU
IDLOXUH

$SSO\ D VPDOO EHDG RI VLOLFRQH VHDODQW RQ WKH FDVH PD
3RVLWLRQ WKH WUDQVIHU FDVH RQWR WKH
LOOXVWUDWLRQ

7LJKWHQ WR 1P OE IW

)LJ ,GHQWLI\LQJ 7UDQVIHU &DVH 6HDO 7L
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH ,QSXW 6KDIW 6HDO ,QVWDOOHU LQVWDOO QHZ VHDO

)LJ ,QVWDOOLQJ 5HDU 2XWSXW 6KDIW 6HDO
&RXUWHV\ RI)25' 02725 &2

,QVWDO,6O WKH

z 7LJKWHQ WR 1P OE IW

)LJ /RFDWLQJ 0RGH ,QGLFDWLRQ 6ZLWFK
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH WUDQVIHU FDVH IURP WKH WUDQVPLVVLRQ +

)LJ ,GHQWLI\LQJ 7UDQVPLVVLRQ +ROGLQJ)L[WXUH
&RXUWHV\ RI)25' 02725 &2

75$16)(5 &$6((/(&7521,& 6+,)7

6SHFLDO 7RRO V

63(&,$/ 722/ 5()(5(1&(

	+DQGOH 7 7 :	
	+ROGLQJ)L[WXUH 7UDQV 7 / %	
	,QVWDOOHU %HDULQJ &X 7 7 %	

	,QVWDOOHU ,QSXW 6KDIW 7 7 &	
	,QVWDOOHU ,QSXW 6KDIW 7 7 %	

	,QVWDOOHU ,QSXW 6KDIW 7 7 $	
	,QVWDOOHU 0DLQVKDIW 9 7 - .	

	3UROHFWRU 6KDIW 2LO 6 7 7 &	
	5HPRYHU %HDULQJ &XS 7) $	

	5HPRYHU 2LO 6HDO 7 & &+
	5HPRYHU 6WDWRU %HDUL 7 3 .+

	6OLGH +DPPHU 7 7 $

0DWHULDO

,7(0 63(&,),&$7,21

,WHP	6SHFLILFDWLRQ
579 6LOLFRQH 6HDODQW 7$	
6LOLFRQH *DVNHW DQG 6HDODQW 7$	:6(0 * $
8OWUD 6LOLFRQH 6HDODQW 7$	

7UDQVIHU &DVH ([SORGHG 9LHZ (OHFWURQLF 6KLIW

)LJ ([SORGHG 9LHZ 2I 7UDQVIHU &DVH (OHFWURQLF 6KLIW &RPSRQHQWV 2I
&RXUWHV\ RI)25' 02725 &2

,7(0 '(6&5,37,21

,WHP	3DUW 1XPEHU	'HVFULSWLRQ
	'	/RFNXS KXE
	'	6SULQJ
		/RFNXS FROODU
		'ULYH VSURFNHW
	=	7KUXVW ZDVKHU

	$	2LO SXPS DVVHPEO\
		2XWSXW VKDIW
		5HGXFWLRQ KXE
		+RVH FODPS
		+RVH
	$	/XEH SLFNXS DQG ILOWHU
	'	7KUXVW EHDULQJ
		1HHGOH EHDULQJ
	$	)URQW SODQHW FDUULHU
		6QDS ULQJ
	$	5LQJ JHDU
		%HDULQJ
		&DVH
	%	,QSXW IODQJH VHDO
		9HQW WXEH
		)URQW RXWSXW VKDIW
	%	)URQW RXWSXW VKDIW VHDO
		'RZHO SDUW RI
	(	0DJQHW
		%HDULQJ
		6QDS ULQJ
		'ULYHQ VSURFNHW
	$	'ULYH FKDLQ DVVHPEO\

)LJ ([SORGHG 9LHZ 2I 7UDQVKHDWHU&DVLQJ&RPSRQHQWV2I &RXUWHV\ RI)25' 02725 &2

,7(0 '(6&5,37,21

,WHP	3DUW 1XPEHU	'HVFULSWLRQ
	)	6SULQJ
	&	6KLIW IRUN SDGV
	+	$UPDWXUH
		5HGXFWLRQ VKLIW IRUN DVVHPEO\
		6QDS ULQJ
	*	+XE DQG FRLO KRXVLQJ
		6QDS ULQJ
		/RFNXS IRUN
	*	7UDQVIHU FDVH ILHOG FRLO

		%HDULQJ
		&DVH
	$	%ROW
	1 & 6	1XW
	*	7UDQVIHU FDVH VKLIW PRWRU
	$	&DVH SOXJ
		%XVKLQJ SDUW RI
		6HDOLQJ ULQJ SDUW RI
	%	5HDU RXWSXW VKDIW VHDO
	)	6KLSSLQJ SOXJ
	1 6	%ROW
		:LUH FRQQHFWRU VSDFHU SDUW RI *
	$	%ROW
		%DU FRGH ODEHO SDUW RI
	$	&DVH SOXJ
		%HDULQJ
		/RFNXS IRUN VSULQJ
		6KLIW UDLO
	)	6KLIW FDP DVVHPEO\
	%	&RLO QXW ZDVKHU

'LVDVVHPEO\

127('LVFDUG DOO VHDOV DIWHU UHPRYLQJ WKHP

&OHDQ WKH WUDQVIHU FDVH SRUWV DQG GU\ ZL
8VLQJ WKH 7UDQVPLVVLRQ+ROGLQJ)L[WXUH WR KROG WKH WUDQVIHU FDVH

)LJ ,GHQWLI\LQJ 7UDQVPLVVLRQ +ROGLQJ)L[WXUH &RXUWHV\ RI)25' 02725 &2

,I QRW GRQH SUHYLRXVO\ UHPRYH WKH GUDLQ SOXJ [

)LJ /RFDWLQJ 'UDLQ 3OXJ
&RXUWHV\ RI)25' 02725 &2

8VLQJ D VXLWDEOH VHDO SXOOHU UHPRYH WKH UHDU RX

)LJ /RFDWLQJ 7UDQVIHU &DVH 5HDU 2XWSXW 6KDIW 6
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH LQQHU FRQQHFWRU WDE DQG UHPRYH WKH
VKLIW PRWRU HOHFWULFDO FRQQHFWRU

)LJ /RFDWLQJ &RLO :LUH 3LJWDLO (OHFWULFDO &RQQH
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH WUDQVIHU FDVH EROWV DQG WKH

)LJ /RFDWLQJ 7UDQVIHU &DVH 6KLIW 0RWRU %ROWV
&RXUWHV\ RI)25' 02725 &2

127(7KH WUDQVIHU FDVH EROWV LWDULHV QRQLPWDO SWRQLL
VKDYLQJV ZKLOH UHPRYLQJ WKH FRYHU

)LJ 5HPRYLQJ 7UDQVIHU &DVH %ROWV
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH WUDQVIHU FDVH EROWV
8VLQJ WKH SU\ ERVVHV VHSDUDWH WKH WUDQVIHU FDVH

)LJ 6HSDUDWLQJ &RYHU)URP &DVH
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH WUDQVIHU FDVH DQG LQVWDOO RQ FRYHU DQG ZKHHO

)LJ 5HPRYLQJ &RLO 1XWV $QG :DVKHUV
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH %HDULQJ &XS 5HPRYHU 5HPRYH &XS :LWK WKH 6OLGH +DPPHU

)LJ ,GHQWLI\LQJ %HDULQJ &XS 5HPRYHU :LWK 6OLGH
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH %HDULQJ &XS 5HPRYHU 5HPRYH &XS :LWK WKH 6OLGH +DPPHU

)LJ 5HPRYLQJ)URQW 2XWSXW 6KDIW %HDULQJ
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH VKLIW FROODU KXE VQDS ULQJ

)LJ /RFDWLQJ 6QDS 5LQJ
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH FRLO KRXVLQJ

)LJ 5HPRYLQJ &RLO +RXVLQJ
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH VKLIW IRUN
5HPRYH WKH ORFNXS KXE
5HPRYH WKH VKLIW IRUN DQG VSULQJ

)LJ 5HPRYLQJ 6KLIW)RUN $QG 6SULQJ
&RXUWHV\ RI)25' 02725 &2

127(5HPRYH WKH ORFNXS KXE DVVHPEO\ LV DVVXPHG XQOHVV RWKHUZLVH UHTXLUHG SURFHHG ZLWK WKH IROORZLQJ

'LVDVVHPEOH WKH ORFNXS KXE DVVHPEO\
5HPRYH WKH ORFNXS KXE VQDS ULQJ

6HSDUDWH WKH ORFNXS FROODU
6HSDUDWH WKH ORFNXS VSULQJV
6HSDUDWH WKH ORFNXS KXE
5HPRYH WKH DUPDWXUH

)LJ 'LVDVVHPEOLQJ /RFNXS +XE $VVHPEO\
&RXUWHV\ RI)25' 02725 &2

127(5HPRYH WKH GULYH FKDLQ DQG SURFNHWV DV

)LJ 5HPRYLQJ 'ULYH &KDLQ $QG 6SURFNHWV $V $Q $V
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH GULYH FKDLQ ZDVKHU DQG WKH WKUXV
5HPRYH WKH PDJQHW IURP LWV VORW LQ WKH FDVH

)LJ ,GHQWLI\LQJ 2LO 3DQ 0DJQHW
&RXUWHV\ RI)25' 02725 &2

127(7KH SXPS DVVHPEO\ LV QRW UHSDLUDEOH

)LJ 5HPRYLQJ 2LO 3XPS $QG 2XWSXW 6KDIW
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH RLO SXPS DQGV HMPKEHO RX5WHSPXRWV HV KMDKIMV RDLVO DSQX PD
VKDIW
5HPRYH WKH VKLIW UDLO

)LJ 5HPRYLQJ 6KLIW 5DLO
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH VKLIW IRUN DQG WKH UHGXFWLRQ KXE
5HPRYH WKH VKLIW IRUN
5HPRYH WKH UHGXFWLRQ KXE

)LJ ,GHQWLI\LQJ 2XWSXW 6KDIW 6SHHG 6HQVRU
&RXUWHV\ RI)25' 02725 &2

127(7KH HOHFWULF VKLIW FDP LV \VHRJYQLRFWGGDVDDVQHD
WKH VKLIW FDP DVVHPEO\

)LJ 5HPRYLQJ (OHFWULF 6KLIW &DP $VVHPEO\
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH HOHFWULF VKLIW FDP DVVHPEO\
5HPRYH WKH IURQW SODQHW FDUULHU

)LJ 5HPRYLQJ)URQW 3ODQHW &DUULHU
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH 2LO 6HDO 5HPRYHU UHPRYH WKH LQSXW VHD

)LJ 5HPRYLQJ ,QSXW 6HDO 8VLQJ 6SHFLDO 7RRO
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH WKUXVW EHDULQJ 8VLQJ DQ LQWHUQDO EHDULQJ SXOOHU

)LJ 5HPRYLQJ 1HHGOH %HDULQJ
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH ULQJ JHDU
5HPRYH WKH ULQJ JHDU VQDS ULQJ
5HPRYH WKH ULQJ JHDU

)LJ 5HPRYLQJ 5LQJ *HDU $QG 6QDS 5LQJ
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH 6WDWRU %HDULQJ +ROGHU 5HPRYHU WR ZLWKGUDZ WKH UHWDLQLQJ

)LJ 5HPRYLQJ)URQW 3ODQHWDU\ &DUULHU %HDULQJ 8VLQ
&RXUWHV\ RI)25' 02725 &2

127('R QRW OHW WKH IURQW RXWSXW VKDIW VXSSRUW GDPDJH WR WKH FRPSRQHQW PD\ RFFXU

5HPRYH WKH IURQW RXWSXW VKDIW
5HPRYH WKH IURQW RXWSXW VKDIW VQDS ULQJ

5HPRYH WKH IURQW RXWSXW VKDIW

)LJ 5HPRYLQJ)URQW 2XWSXW 6KDIW
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH 6WDWRU %HDULQJ 5HPRYHU UHPRYH WKH IURQW RXWSXW VKDIW VHDO

)LJ 5HPRYLQJ)URQW 2XWSXW 6KDIW %HDULQJ
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH %HDULQJ &XS 5HPRYHU UHPRYH WKH IURQW RXWSXW

)LJ 5HPRYLQJ)URQW <RNH 7R)ODQJH 6HDO
&RXUWHV\ RI)25' 02725 &2

$VVHPEO\

8VLQJ D VXLWDEOH SUHVV DQG WKH %HDULQJ &XS ,QVWDOOHU LQVWDOO WKH
EHDULQJ

)LJ ,GHQWLI\LQJ %HDULQJ &XS ,QVWDOOHU :LWK +DQ
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH ,QSXW 6KDIW 2LO 6HDO ,QVWDOOHU

)LJ ,QVWDOOLQJ)URQW <RNH 6HDO 8VLQJ
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH IURQW RXWSXW VKDIW

3RVLWLRQ WKH IURQW RXWSXW VKDIW

,QVWDOO WKH IURQW RXWSXW VKDIW VQDS ULQJ

)LJ ,QVWDOOLQJ)URQW 2XWSXW 6KDIW
&RXWHV\ RI)25' 02725 &2

8VLQJ D SUHVV DQG D VXLWDEOH

)LJ ,QVWDOOLQJ)URQW 3ODQHW &DUULHU %HDULQJ
&RXUWHV\ RI)25' 02725 &2

3RVLWLRQ WKH ULQJ JHDU LQ WKH FDVH ULQJ ,QVWDOO WKH U

,I UHPRYHG XVLQJ D VXLWDEOH %HDULQJ DQG ,QVWDOO WKH
WKH IURQW SODQHW FDUULHU

)LJ /RFDWLQJ)URQW 2XWSXW 6KDIW $QG 6QDS 5LQJ
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH IURQW SODQHW FDUULHU DQG WKH WKUXV

)LJ ,QVWDOOLQJ)URQW 3ODQHW &DUULHU $QG 7KUXV
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH 6KDIW 2LO 6HDO ,QVWDOOHU DQG WKH ,QV

)LJ ,QVWDOOLQJ ,QSXW 6HDO 8VLQJ 6SHFLDO 7RRO &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH HOHFWULF VKLIW FDP DVVHPEO\

)LJ ,QVWDOOLQJ (OHFWULF 6KLIW &DP $VVHPEO\ &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH VKLIW IRUN DQG WKH UHGXFWLRQ KXE

)LJ /RFDWLQJ 6KLIW)RUN $QG 5HGXFWLRQ +XE &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH VKLIW UDLO

)LJ ,QVWDOOLQJ 6KLIW 5DLO
&RXUWHV\ RI)25' 02725 &2

)LJ ,QVWDOOLQJ 2LO 3XPS :LWK 6KDIW $QG 7KUX
&RXUWHV\ RI)25' 02725 &2

)LJ ,QVWDOOLQJ 2LO 3DQ 0DJQHW
&RXUWHV\ RI)25' 02725 &2

)LJ ,QVWDOOLQJ 'ULYH &KDLQ $QG 6SURFNHWV &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH ORFNXS KXE DVVHPEO\ ZLWK GHVLJQHG VORWV FNXSE KH IROORZLQJ VWHSV

3RVLWLRQ WKH ORFNXS FROODU

,QVWDOO WKH ORFNXS FROODU VSULQJV

,QVWDOO WKH ORFNXS KXE

,QVWDOO WKH DUPDWXUH

,QVWDOO WKH ORFNXS KXE VQDS ULQJ

)LJ $VVHPEOLQJ /RFNXS +XE $VVHPEO\ &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH ORFNXS KXE DQG WKH VKLIW IRUN DQG VS

)LJ /RFDWLQJ /RFNXS +XE $QG 6KLIW)RUN $QG 6S &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH FRLO KRXVLQJ

)LJ ,QVWDOOLQJ &RLO +RXVLQJ
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH VQDS ULQJ

)LJ /RFDWLQJ 6QDS 5LQJ
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH 0DLQVKDIW %HDULQJ ...

)LJ ,QVWDOOLQJ 5HDU 2XWSXW 6KDIW ...
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH 0DLQVKDIW %HDULQJ ...

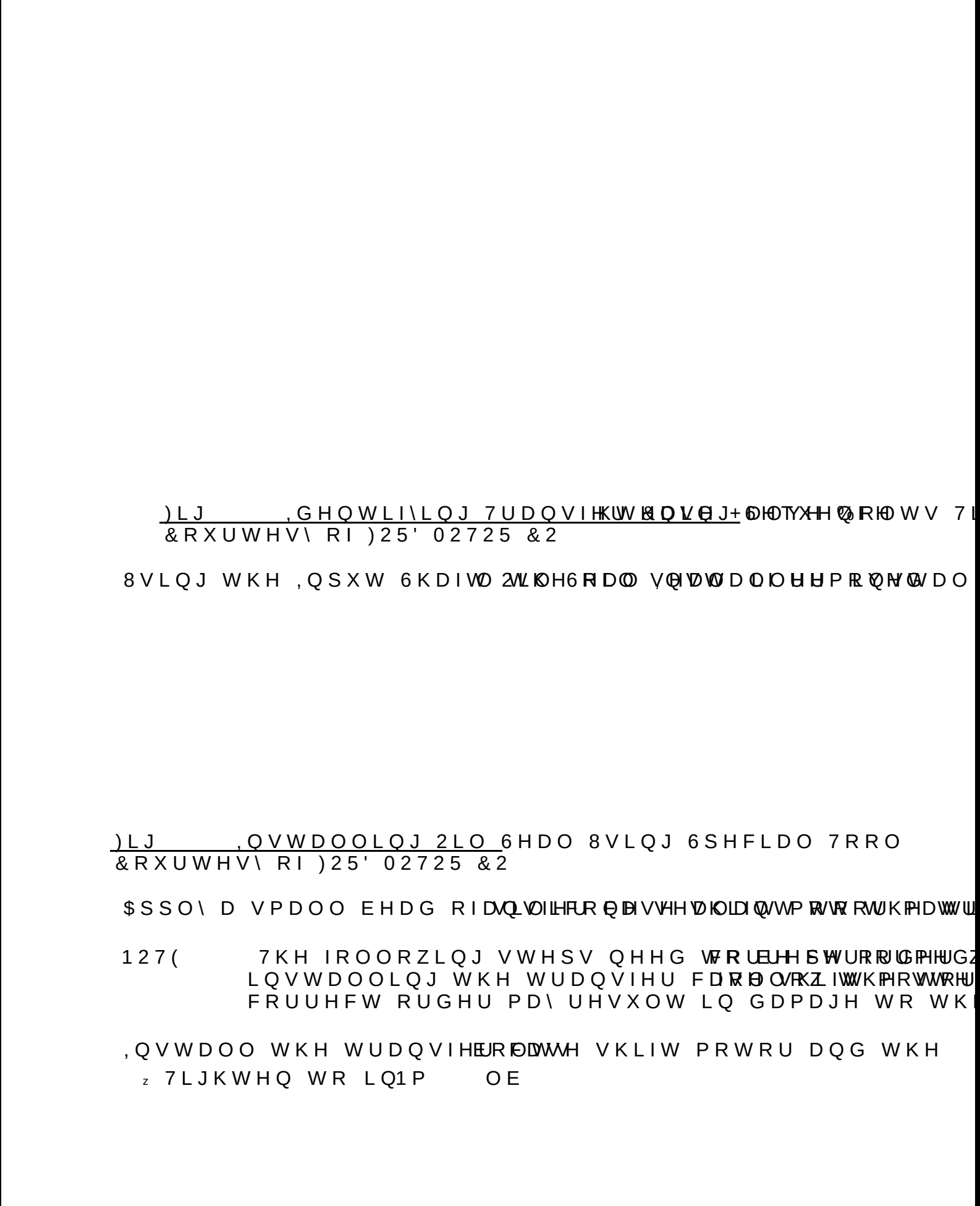
)LJ ,QVWDOOLQJ)URQW 2XWSXW 6SHFLDO 7RRO %HDULQJ 8VL
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH WUDQVIHU FDVH RXWSXW FRLO ZDVKHUV DQ
z 7LJKWHQ WR 1P OE LQ

)LJ 5HPRYLQJ &RLO 1XWV $QG :DVKHUV
&RXUWHV\ RI)25' 02725 &2

127(,I WRR PXFK VLOLFRQH VHDODQW LV XVHG RQ
WKH H[FHVV VHDODQW FDQ SOXJ WKH OXEULFDWLRQ
IDLOXUH

$SSO\ D VPDOO EHDG RI VLOLFRQH VHDODQW RQ WKH
3RVLWLRQ WKH WUDQVIHU FDVH
z 7LJKWHQ WR 1P OE IW



)LJ /RFDWLQJ 7UDQVIHU &DVH 6KLIW 0RWRU %ROW
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH WUDQVIHU FDVH VKLIW PRWRU EUDFNHW E
- 7LJKWHQ WR 1P OE LQ

6HFXUH WKH WUDQVIHU FDVH VKLIW PRWRU EUDFNHW Q
- 7LJKWHQ WR 1P OE LQ

127($IWHU WKH FRLO ZLUH LV FRQQHFWHG WR WKH
EDFN WR YHULI\ WKH SLQ LV ORFNHG LQVLGH WK

)LJ /RFDWLQJ &RLO :LUH 3LQ (OHFWULFDO &RQQ
&RXUWHV\ RI)25' 02725 &2

,QVHUW WKH FRLO ZLUH FRQQHFWRU LQWR WKH VHQVRU
5HPRYH WKH WUDQVIHU FDVH PRXQWLQJ)DVWHQHU +

)LJ ,GHQWLI\LQJ 7UDQVPLVVLRQ +ROGLQJ)L[WXUH
&RXUWHV\ RI)25' 02725 &2

75$16)(5 &$6(63((' 72548(21 '(0$1'

6SHFLDO 7RRO V

63(&,$/ 722/ 5()(5(1&(

	+DQGOH ' ' / $ RU HTXLYDO
	+ROGLQJ)L[WXUH 7UDQVPLV 7 / %
	,QVWDOOHU)URQW $[OH 2LO 7 7 $

	,QVWDOOHU ,QSXW 6KDIW 2L 7 7 %	
	,QVWDOOHU ,QSXW 6KDIW 2L	

	7 7 $
	,QVWDOOHU 0DLQVKDIW %HD 7 - .
	,QVWDOOHU 2XWSXW 6KDIW

	5HPRYHU %HDULQJ &XS 7) $
	6OLGH +DPPHU 7 7 $

0DWHULDO

,7(0 63(&,),&$7,21

,WHP	6SHFLILFDWLRQ
0RWRUFUDIWŠ 7UDQVIHU &DVH)OXLG ;/	(63 0 & +
8OWUD 6LOLFRQH 6HDODQW 7$	

6SHHG 7UDQVIHU &DVH 5HDU 9LHZ

)LJ ([SORGHG 9LHZ RI 6HHG 7UDQVIHU &DVH &RPSRQHQWV :LWK
2II
&RXUWHV\ RI)25' 02725 &2

,7(0 '(6&5,37,21

,WHP 3DUW 1XP	EHU	'HVFULSWLRQ
		6QDS ULQJ
	1	6SDFHU
	'	&DJHG WKUXVW EHDULQJ
	*	+XE DQG FRLO KRXVLQJ
	$	%DOO UHTXLUHG
	5	&DP
	'	:DYH VSULQJ
		6QDS ULQJ
	&	&OXWFK SDFN DVVHPEO\
		'ULYH VSURFNHW
	'	&DJHG WKUXVW EHDULQJ
	&	7KUXVW ZDVKHU UHTXLUHG
	$	2LO SXPS DVVHPEO\
	+	+RVH FODPS
		2LO SXPS SLFNXS KRVH
	$	2LO SLFNXS DQG ILOWHU
	*	7UDQVIHU FDVH ILHOG FRLO
		5HDU RXWSXW VKDIW VXSSRUW EHDULQJ
		)URQW RXWSXW VKDIW UHDU EHDULQJ
		&DVH
		5HDU RXWSXW VKDIW VXSSRUW EXVKLQJ SDU
	$ %	7UDQVIHU FDVH EROW UHTXLUHG
	$	)LOO SOXJ
		&RLO QXW UHTXLUHG
	$ $	&RQQHFWRU EUDFNHW EROW UHTXLUHG
	.	&RQQHFWRU EUDFNHW
	$	&RQQHFWRU
	%	:DVKHU

6SHHG 7UDQVIHU &DVH)URQW 9LHZ

)LJ ([SORGHG 9LHZ RI 57 DUDQVIHU &DVH &RPSRQHQWV 2
&RXUWHV\ RI)25' 02725 &2

,7(0 '(6&5,37,21

,WHP	3DUW 1XPEHU	'HVFULSWLRQ
		2XWSXW VKDIW
		2XWSXW VKDIW FROODU
	$	,QSXW JHDU
	$	'ULYH FKDLQ
		'ULYHQ VSURFNHW
		6QDS ULQJ
		)URQW RXWSXW VKDIW VXSSRUW EHDULQ

	(	0DJQHW
		&DVH
	%	'RZHOV
		)URQW LQSXW VKDIW VXSSRUW EHDULQJ
	%	)URQW RXWSXW VKDIW RLO VHDO
		)URQW RXWSXW VKDIW
		9HQW WXEH
	%	,QSXW IODQJH VHDO

'LVDVVHPEO\

127(8VH D VXLWDEOH FOHDQLQJ VROYHQW WR FOHDQ FDVH RSHQLQJV EHIRUH FOHDQLQJ WKH WUDQVIHU FDVH HQWU\ RI GLUW DQG ZDWHU ZKLFK FDQ FDXVH GDPDJH WR FRPSRQHQWV

&OHDQ WKH WUDQVIHU FDVH H[WHULRU ZLWK VROYHQW DQG
8VLQJ WKH 7UDQVPLVVLRQ +ROGLQJ)L[WXUH WR VHFXUH WKH FDVH VR WKDW WKH RXWSXW VKDIW LV SRLQWLQJ XSZDUG

)LJ ,GHQWLI\LQJ 7UDQVPLVVLRQ +ROGLQJ)L[WXUH
&RXUWHV\ RI)25' 02725 &2

'UDLQ WKH IOXLG IURP WKH WUDQVIHU FDVH LI QRW GR

)LJ /RFDWLQJ 'UDLQ 3OXJ
&RXUWHV\ RI)25' 02725 &2

8VLQJ D VXLWDEOH WRRO UHPRYH WKH GUDLQ SOXJ DQG WKH UH

)LJ 5HPRYLQJ 5HDU 2XWSXW 6KDIW 6HDO
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH LQQHU FRQQHFWRU WXEH DQG RHULQJ

)LJ /RFDWLQJ ,QQHU &RQQHFWRU 5HWDLQHU
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH FRQQHFWRU ORFN EXWWRQ DQG WKH FR

)LJ /RFDWLQJ &RQQHFWRU %UDFNHW %ROWV
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH FRLO QXWV DQG ZDVKHUV

)LJ /RFDWLQJ &RLO 1XWV $QG :DVKHUV &RXUWHV\ RI)25' 02725 &2

127(,W LV QRUPDO WR ILQG PHWDO WUDQVIHU FDVH EROWV

)LJ 5HPRYLQJ 7UDQVIHU &DVH %ROWV &RXUWHV\ RI)25' 02725 &2

5HPRYH WKH WUDQVIHU FDVH ERWV

8VLQJ WKH SU\ ERVVHV WR SU\ DSDUW WKH WUDQVIHU FDVH

)LJ 6HSDUDWLQJ 7UDQVIHU &DVH +DOYHV &RXUWHV\ RI)25' 02725 &2

8VLQJ WKH %HDULQJ &XS 5HPRYHU WR SU\ WKH 6HFRQGDU\ +DOYHV EHDULQJ

- ,QVSHFW WKH EHDULQJ IRU ZHDU DQG GDPDJH EHIRUH UHDVVHPEO\

)LJ 5HPRYLQJ 5HDU 2XWSXW 6KDIW 6XSSRUW %HDU
&RXUWHVV\ RI)25' 02725 &2

8VLQJ WKH %HDULQJ &XS 5HPRYHU WR WKH 6URQW RI WKH

- ,QVSHFW WKH EHDULQJ IRU HEDU RU GDPDJH

)LJ 5HPRYLQJ)URQW 2XWSXW 6KDIW 5HDU %HDULQ
&RXUWHVV\ RI)25' 02725 &2

5HPRYH WKH VQDS ULQJ

- ,QVSHFW WKH VQDS ULQJ IRU HZHDU RU GDPDJH

)LJ /RFDWLQJ 6QDS 5LQJ
&RXUWHVV\ RI)25' 02725 &2

5HPRYH WKH VSDFHU

)LJ /RFDWLQJ &DP &RLO +RXVLQJ
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH FDJHG WKUXVW EHDULQJ DVVHPEO\

- ,QVSHFW WKH EHDULQJ IRU [illegible]

)LJ /RFDWLQJ &DJHG 7KUXVW %HDULQJ $VVHPEO\
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH FDP FRLO KRXVLQJ

)LJ /RFDWLQJ &DP &RLO +RXVLQJ
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH VWHHO EDOOV DQG WKH FDP

)LJ /RFDWLQJ 6WHHO %DOOV $QG &DP
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH ZDYH VSULQJ

)LJ /RFDWLQJ :DYH 6SULQJ
&RXUWHV\ RI)25' 02725 &2

5HPRYH DQG GLVFDUG WKH VQDS ULQJ

)LJ /RFDWLQJ 6QDS 5LQJ
&RXUWHV\ RI)25' 02725 &2

127(:KHQ UHPRYLQJ WKH FOXWFK S[illegible]
SDFN DVVHPEO\ .HHS WHQVLRQ RQ [illegible]
WKH FOXWFK SDFN DVVHPEO\ RQ WK[illegible]
LQ WKH WUDQVIHU FDVH 7KH WK[illegible]
WDEV WR KROG LW LQ SODFH R[illegible]
FDVH FOHDUDQFH SUREOHP ZLOO RFFXU

)LJ /RFDWLQJ &OXWFK 3DFN $VVHPEO\
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH FOXWFK SDFN DVVHPEO\

5HPRYH WKH GULYH FKDLQ VSURFNHWV DV DQ D

- ,QVSHFW WKH GULYH FKDLQ VSURFNHWV DV PDLQWHQDQW
  ,QVWDOO QHZ FRPSRQHQWV DV QHFHVVDU\

)LJ /RFDWLQJ 'ULYH &KDLQ\ $QG 6SURFNHWV $VVHP
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH WKUXVW EHDULQJ DVVHPEO\

5HPRYH WKH WKUXVW ZDVKHU

- 7KH XSSHU WKUXVW ZDVKHU FRQWDFWHG WDFKHG WR

5HPRYH WKH WKUXVW EHDULQJ

5HPRYH WKH WKUXVW ZDVKHU

- ,QVSHFW WKH ZDVKHUV DQG ,QVWDOO QHZ ZHDUSRQ
  QHFHVVDU\

)LJ ,GHQWLI\LQJ 7KUXVW %HDULQJ $VVHPEO\
&RXUWHV\ RI)25' 02725 &2

5HPRYH DQG FOHDQ WKH RLO SDQ PDJQHW

)LJ /RFDWLQJ 2LO 3DQ 0DJQHW
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH RLO SXPS DVVHPEO\

)LJ /RFDWLQJ 2LO 3XPS $VVHPEO\
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH RXWSXW VKDIW

)LJ /RFDWLQJ 2XWSXW 6KDIW
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH LQSXW VKDIW

)LJ /RFDWLQJ ,QSXW 6KDIW
&RXUWHV\ RI)25' 02725 &2

127('R QRW OHW WKH IURQW RXWSXW [illegible]

5HPRYH WKH VQDS ULQJ DQG WKH IURQW RXWSXW VKDIW [illegible]
z ,QVSHFW WKH VQDS ULQJ IRU [illegible]

)LJ /RFDWLQJ 6QDS 5LQJ $QG)URQW 2XWSXW 6KD[illegible]
&RXUWHV\ RI)25' 02725 &2

127(&DUHIXOO\ UHPRYH WKH VHDO [illegible] GDPDJH [illegible]

)LJ /RFDWLQJ)URQW 2XWSXW 6KDIW 2LO 6HDO
&RXUWHV\ RI)25' 02725 &2

5HPRYH DQG GLVFDUG WKH IURQW RXWSXW VKDIW RLO V

127(&DUHIXOO\ UHPRYH WKH VHDO GR QRW GDPDJH

)LJ /RFDWLQJ)URQW ,QSXW 6KDIW 6HDO
&RXUWHV\ RI)25' 02725 &2

5HPRYH DQG GLVFDUG WKH IURQW LQSXW VKDIW VHDO
8VLQJ D VXLWDEOH GULYHU VKDIW UHPRYH WKH IURQW LQSXW

)LJ 5HPRYLQJ)URQW ,QSXW 6KDIW %HDULQJ
&RXUWHV\ RI)25' 02725 &2

8VLQJ D VXLWDEOH GULYHU VKDIW UHPRYH WKH EHDULQJ IURP WKH RXWSXW
z ,QVSHFW WKH EHDULQJ IRU ZHDU RU GDPDJH

)LJ 5HPRYLQJ)URQW 2XWSXW 6KDIW 6XSSRUW %H

&RXUWHV\ RI)25' 02725 &2

$VVHPEO\

/XEULFDWH DOO LQWHUQDO FRPSRQHQWV ZLWK WKH XUELQH

&OHDQ WKH PDWLQJ VXUIDFHV RI WKH FDVHV

8VLQJ D VXLWDEOH SUHVV %HQGHU LQVWDOO WKH ,QSXW 6KDIW ,QVWDOOHU WR
LQSXW VKDIW EHDULQJ

)LJ ,GHQWLI\LQJ 2XWSXWV 6KDIW)URQW %HDULQJ ,Q

&RXUWHV\ RI)25' 02725 &2

8VLQJ D VXLWDEOH SUHVV DQG WKH)URQW $[OH 2XWSXW 6KDIW
VXSSRUW EHDULQJ

)LJ ,GHQWLI\LQJ)URQW $[OH +DQG 6HDO ,QVWDOOHU

&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH ,QSXW 6KDIW 2LO 6HDO ,QVWDOOHU LQVWDOO

)LJ ,GHQWLI\LQJ ,QSXWU6KDIW 2LO 6HDO ,QVWDOOH
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH FDVH WR WXUH 7UDQVPLVVLRQ FDVH KROGLQJ ILN[
)L[WXUH WR WKH ZRUN EHQFK

)LJ ,GHQWLI\LQJ 7UDQVPLVVLRQ +ROGLQJ)L[WXUH
&RXUWHV\ RI)25' 02725 &2

8VLQJ WKH ,QSXW 6KDIW 2LO 6HDO ,QVWDOOHU [illegible]

)LJ ,GHQWLI\LQJ ,QSXWU6KDIW 2LO 6HDO ,QVWDOOH
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH IURQW RXWSXW VKDIW DQG WKH VQDS U

)LJ /RFDWLQJ 6QDS 5LQJ $QG)URQW 2XWSXW 6KDIW &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH LQSXW VKDIW

)LJ /RFDWLQJ ,QSXW 6KDIW &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH RXWSXW VKDIW

)LJ /RFDWLQJ 2XWSXW 6KDIW
&RXUWHV\ RI)25' 02725 &2

127(0DNH VXUH WKH RLO SXPS ILWQKHHUFDLWHLQ WKH VO

)LJ /RFDWLQJ 2LO 3XPS $VVHPEO\
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH RLO SXPS DVVHPEO\
,QVWDOO WKH RLO SDQFDDVJHQHW LQWR WKH VORW LQ WKH
,QVWDOO WKH SLHFH WKUXUXVWWEHDULQJ DWKHUPEO\ EWHO
,QVWDOO WKH GULYH FKDLQHDQG\WKH VSURFNHWV DV DQ

)LJ /RFDWLQJ 'ULYH &KDLQ\$QG 6SURFNHWV $VVHPEO
&RXUWHV\ RI)25' 02725 &2

127(:KHQ LQVWDOOLQJ WKH FOXWFKDWWHPKHO\FOGRWH
DVVHPEO\ 7KH WKUXVW ZDVKHU LQVWKHWDEZHW
LW LQ SODFH ,I WKH WKUXVWDZDUKHUIHLV FDWHLF
SUREOHP ZLOO RFFXU

)LJ /RFDWLQJ &OXWFK 3DFN $VVHPEO\
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH FOXWFK SDFN [illegible]
,QVWDOO D QHZ VQDS ULQJ

)LJ /RFDWLQJ 6QDS 5LQJ
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH ZDYH VSULQJ

)LJ /RFDWLQJ :DYH 6SULQJ
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH FDP DQG WKH VWHHO EDOOV

)LJ /RFDWLQJ 6WHHO %DOOV $QG &DP &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH FDP FRLO KRXVLQJ

)LJ /RFDWLQJ &DP &RLO +RXVLQJ &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH FDJHG WKUXVW EHDULQJ DVVHPEO\

)LJ /RFDWLQJ &DJHG 7KUXVW %HDULQJ $VVHPEO\ &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH VSDFHU

)LJ /RFDWLQJ &DP &RLO +RXVLQJ
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH VQDS ULQJ

)LJ /RFDWLQJ 6QDS 5LQJ
&RXUWHV\ RI)25' 02725 &2

8VLQJ D VXLWDEOH SUHVV,QVWDOO WKH 0DLQVKDIW %HDULQJ
EHDULQJ

)LJ ,QVWDOOLQJ 5HDU 2XWSXW 6KDIW 6XSSRUW %HDU
&RXUWHV\ RI)25' 02725 &2

8VLQJ D VXLWDEOH SUHVV DQG WKH 0DLQVKDIW %HDU

)LJ ,QVWDOOLQJ)URQW 2XWSXW 6KDIW 5HDU %HDULQ
&RXUWHV\ RI)25' 02725 &2

127($SSO\LQJ WRR PXFK VLOLFRQH WR WKH GULYH WUDLQ
WUDQVIHU FDVH IDLOXUH

$SSO\ D EHDG RI VLOLFRQH EHWZHHQ WKH FHQWHU SRUWLRQ RI WKH
WRJHWKHU DOLJQLQJ WKH KROHV VR WKDW WKH VFUHZV
VWDU SDWWHUQ

- 7LJKWHQ WR 1P OE IW

)LJ 5HPRYLQJ 7UDQVIHU &DVH %ROWV
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH FRLO ZDVKHUV DQG QXWV

- 7LJKWHQ WR 1P OE LQ

8VLQJ WKH ,QSXW 6KDIW 2LO 6HDO ,QVWDOOHU

)LJ ,GHQWLI\LQJ ,QSXW6KDIW 2LO 6HDO ,QVWDOOH
&RXUWHV\ RI)25' 02725 &2

127($IWHU WKH ZLUH LV LQVHUWHG LQWR WKH FRQQHFWRU
YHULI\ WKH SLQ LV ORFNHG LQVLGH WKH FRQQHF

)LJ /RFDWLQJ ,QQHU &RQQHFWRU 5HWDLQHU
&RXUWHV\ RI)25' 02725 &2

,QVHUW WKH FRLO ZLUH FRQQHFWRU LQWR WKH VHDOHG FRQQHFWRU
,QVWDOO WKH FRQQHFWRU EUDFNHW EROW WR WKH FRQQHF
z 7LJKWHQ WR 1P OE LQ

)LJ /RFDWLQJ &RQQHFWRU %UDFNHW %ROWV
&RXUWHV\ RI)25' 02725 &2

6HFXUH WKH WUDQVIHU FRQQHFWRU WR WKH WUDQVPLVVLRQ
7UDQVPLVVLRQ +ROGLQJ)L[WXUH

)LJ ,GHQWLI\LQJ 7UDQVPLVVLRQ +ROGLQJ)L[WXUH
&RXUWHV\ RI)25' 02725 &2

5(029$/

75$16)(5 &$6(

7UDQVIHU &DVH /HIW 6LGH

)LJ ,GHQWLI\LQJ 7UDQVIHUUHG &DVHG &RPSRQHQWV &RXUWHV\ RI)25' 02725 &2

,7(0 '(6&5,37,21

,WHP 3DUW 1XPEHU		'HVFULSWLRQ
		&URVVPHPEHU EROW UHTXLUHG
	: 6	+HDW VKLHOG EROW UHTXLUHG
		&URVVPHPEHU
	1 6	7UDQVPLVVLRQ PRXQW QXW UHTXLUHG
	(	6NLG SODWH
	: 6	6NLG SODWH WR IUDPH EROW UHTXLUHG

7UDQVIHU &DVH /HIW 6LGH

)LJ ,GHQWLI\LQJ 7UDQVIHUUHG &DVHV RI &RPSRQHQWV &RXUWHV\ RI)25' 02725 &2

,7(0 '(6&5,37,21

,WHP 1XPEHU	PDUN	'HVFULSWLRQ
	$	7UDQVIHU FDVH WR WUDQVPLVVLRQ EROW UHT
	$	7UDQVIHU FDVH
	'	9HQW WXEH
	: 6	7UDQVPLVVLRQ PRXQW EROW UHTXLUHG
	'	7UDQVPLVVLRQ PRXQW
	: 6	([KDXVW VXSSRUW EUDFNHW EROW
		6KLIW PRWRU HOHFWULFDO2EQRZKHHFWRU(62)(OHFW

7UDQVIHU &DVH /HIW 6LGH 0HFKDQLFDO 6KLIW 2Q 7KH

)LJ ,GHQWLI\LQJ 7UDQVIHU &DVH 6KLIW &RPSRQHQWV
&RXUWHV\ RI)25' 02725 &2

,7(0 '(6&5,37,21

,WHP	3DUW 1XPEHU	'HVFULSWLRQ
	%	7UDQVIHU FDVH VKLIW FDEOH PRXQWLQJ EUD
	:	7UDQVIHU FDVH VKLIW FDEOH PRXQWLQJ EUD
	(	7UDQVIHU FDVH VKLIW FDEOH

$OO YHKLFOHV

:LWK WKH YHKLFOH LQ 1(875$/ SRVLWLRQ RQ D KRLVW
/,)7,1*

,I HTXLSSHG UHPRYH WKH VNLG SODWH DQG UH

)LJ /RFDWLQJ 6NLG 3ODWH %ROWV
&RXUWHV\ RI)25' 02725 &2

'UDLQ WKH IOXLG LI WKH WUDQVIHU FDVH LV WR EH GLV

z ,QVWDOO WKH GUDLQ SOXJ ZKHQ ILQLVKHG GUDLQLQJ

z 7LJKWHQ WR 1P OE LQ

5HPRYH WKH IURQW GULYHVKDIW 'ULYHVKDIW LQIRU

5HPRYH WKH UHDU GULYHVKDIW 'ULYHVKDIW LQIRU

9HKLFOHV ZLWK (OHFWURQLF 6KLIW 2Q 7KH)O\ (62)

'LVFRQQHFW WKH VKLIW PRGXOH IURP WKH HOHFWURQLF VKLIW FDEOH DQG UHPRYH WKH WUDQVIHU FDVH

)LJ /RFDWLQJ 6KLIW 0RWRU (OHFWULFDO &RQQHFWRU &RXUWHV\ RI)25' 02725 &2

9HKLFOHV ZLWK 0HFKDQLFDO 6KLIW 2Q 7KH)O\ 062)

'LVFRQQHFW WKH FDEOH HQG IURP WKH VKLIW OHYHU

5HPRYH WKH VKLIW FDEOH WR[HQEUDFNHW DFNHW QXWV D

$OO YHKLFOHV

'LVFRQQHFW WKH YHQW KRVH IURP WKH WUDQVIHU FDVH

)LJ /RFDWLQJ 7UDQVIHU &DVH 9HQW 7XEH &RXUWHV\ RI)25' 02725 &2

5HPRYH WKH 5+ H[KDXVW KHDWVKLHOG EROW IURP WKH

)LJ /RFDWLQJ ([KDXVW +HDW 6KLHOG %ROW &RXUWHV\ RI)25' 02725 &2

5HPRYH WKH /+ H[KDXVW KHDW VKLHOG EROW IURP WKH

)LJ /RFDWLQJ /+ ([KDXVW +HDW 6KLHOG %ROW &RXUWHV\ RI)25' 02725 &2

6XSSRUW WKH IURQW RI WKH WUDQVPLVVLRQ

)LJ 3RVLWLRQLQJ -DFNVWDQG 8QGHU 7UDQVPLVVLRQ &RXUWHV\ RI)25' 02725 &2

5HPRYH WKH FURVVPHPEHU EROWV DQG QXWV

)LJ /RFDWLQJ &URVVPHPEHU %ROWV $QG 1XWV
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH WUDQVPLVVLRQ PEXW QXWV DQG WKH FU

)LJ /RFDWLQJ 7UDQVPLVVLRQ 1XWV DQG 5HWDL
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH EROW IURP WKH + H[KDXVW VXSSRUW EUDF

)LJ /RFDWLQJ /+ ([KDXVW 6XSSRUW %UDFNHW $QG %
&RXUWHV\ RI)25' 02725 &2

5HPRYH WKH WUDQVPLVVLRQ EROWV DQG WKH W

)LJ   /RFDWLQJ 7UDQVPLVVLRQ %ROVWHU $QG 5HWDL
&RXUWHV\ RI)25' 02725 &2

8VLQJ D WUDQVPLVVLRQ MDFN SODFH WKH VHFRQGDU\ VRXUFH WR WKH WUDQV
VDIHW\ VWUDS

)LJ   6HFXULQJ 7UDQVIHU &DVH
&RXUWHV\ RI)25' 02725 &2

5HPRYH DQG GLVFDUG WKH VWXG EROWV IURP WKH WUDQVIHU FDVH WR WUDQVP
6HSDUDWH WKH WUDQVIHU FDVH IURP WKH WUDQVPLVVLRQ
0RYH WKH WUDQVIHU FDVH UHDUZDUG WR FOHDU WKH RXWSXW VKDIW

)LJ   /RFDWLQJ 7UDQVPLVVLRQ 0RXQW 5XEEHUV 2Q ([K
&RXUWHV\ RI)25' 02725 &2

,167$//$7,21

75$16)(5 &$6(

0DWHULDO

,7(0 63(&,),&$7,21

,WHP	6SHFLILFDWLRQ
0RWRUFUDIWŠ 7UDQVIHU &DVH)OXLG ;/	(63 0 & +

7UDQVIHU &DVH /HIW 6LGH

)LJ ,GHQWLI\LQJ 7UDQVIHU &DVH &RPSRQHQWV RI)25' 02725 &2

,7(0 '(6&5,37,21

,WHP	3DUW 1XPEHU	'HVFULSWLRQ
		&URVVPHPEHU EROW UHTXLUHG
	: 6	+HDW VKLHOG EROW UHTXLUHG
		&URVVPHPEHU
	1 6	7UDQVPLVVLRQ PRXQW QXW UHTXLUHG
	(	6NLG SODWH
	: 6	6NLG SODWH EROW UHTXLUHG

7UDQVIHU &DVH 5LJKW 6LGH

)LJ ,GHQWLI\LQJ 7UDQVIHU &DVH &RPSRQHQWV 5LJKW 6LGH :LWK

&RXUWHV\ RI)25' 02725 &2

,7(0 '(6&5,37,21

,WHP	3DUW 1XPEHU	'HVFULSWLRQ
	$	7UDQVIHU FDVH WR WUDQVPLVVLRQ EROW UHT
	$	7UDQVIHU FDVH
	'	9HQW WXEH
	: 6	7UDQVPLVVLRQ PRXQW EROW UHTXLUHG
	'	7UDQVPLVVLRQ PRXQW
	: 6	([KDXVW VXSSRUW EUDFNHW EROW
		6KLIW PRWRU HOHFWULFDO FRQQHFWRU (62) (OHFW

7UDQVIHU &DVH /HIW 6LGH 0HFKDQLFDO 6KLIW 2Q 7KH

)LJ /RFDWLQJ 7UDQVIHU &DVH 6KLIW &DEOH 7RS 2)
/LQNDJH
&RXUWHV\ RI)25' 02725 &2

,7(0 '(6&5,37,21

,WHP	3DUW 1XPEHU	'HVFULSWLRQ
	%	7UDQVIHU FDVH VKLIW FDEOH PRXQWLQJ EU
	:	7UDQVIHU FDVH VKLIW FDEOH PRXQWLQJ EU
		7UDQVIHU FDVH VKLIW FDEOH

$OO YHKLFOHV

3RVLWLRQ WKH WUDQVIHU FDVH RQWR WKH WUDQVPLVVLRQ
PP LQ IURP WKH WUDQVIHU FDVH WR WKH WUDQVPLVVLRQ

127('R QRW UHXVH WKH ROG WUDQVIHU FDVH WR WU

,QVWDOO QHZ WUDQVIHU FDVH WR WUDQVPLVVLRQ EROW
z 7LJKWHQ WKH EROWV HYHQO\ LQ D FULVV FURVV SDWWHUQ W
,QVWDOO WKH WUDQVPLVVLRQ PRXQW EROW WKH WUDQV
z 7LJKWHQ WR 1P OE IW

)LJ /RFDWLQJ 7UDQVPLVVLRQ %UHDWKHU $QG 5HV
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH /+ H[KDXVW VXSSRUW EUDFNHW DQG EROW
- 7LJKWHQ WR 1P OE IW

)LJ /RFDWLQJ ,VRODWRU %ROW $QG &DS
&RXUWHV\ RI)25' 02725 &2

3RVLWLRQ WKH FURVVPHPEHU RQ WKH WUDQVPLVVLRQ
- 'R QRW WLJKWHQ DW WKLV WLPH

)LJ /RFDWLQJ 7UDQVPLVVLRQ 1RXQW ,VRODWRU $QG 5HV
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH FURVVPHPEHU EROWV DQG QXWV
- 7LJKWHQ WKH FURVVPHPEHU ERLWV WR 1P OE IW
- 7LJKWHQ WKH WUDQVPLVVLRQ PRXQW QXWV WR 1P

)LJ /RFDWLQJ &URVVPHPEHU %ROWV $QG 1XWV
&RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH /+ H[KDXVW KHDW VKLHOG EROW WR WKH F
z 7LJKWHQ WR 1P OE LQ

)LJ /RFDWLQJ /+ ([KDXVW +HDW 6KLHOG %ROW &RXUWHV\ RI)25' 02725 &2

,QVWDOO WKH 5+ H[KDXVW KHDW VKLHOG EROW WR WKH
z 7LJKWHQ WR 1P OE LQ

)LJ /RFDWLQJ ([KDXVW +HDW 6KLHOG %ROW &RXUWHV\ RI)25' 02725 &2

&RQQHFW WKH YHQW KRVH WR WKH WUDQVIHU FDVH

)LJ /RFDWLQJ 7UDQVIHU &DVH 9HQW 7XEH &RXUWHV\ RI)25' 02725 &2

9HKLFOHV ZLWK (OHFWURQLF 6KLIW 2Q 7KH)O\ (62)

&RQQHFW WKH VKLIW PRWRU

)LJ /RFDWLQJ 6KLIW 0RWRU (OHFWULFDO &RQQHFWRU
&RXUWHV\ RI)25' 02725 &2

9HKLFOHV ZLWK 0HFKDQLFDO 6KLIW 2Q 7KH)O\ 062)

,QVWDOO WKH VKLIW FDEOH RQWR PRXQWLQJ EUDFNHW DQG WK

z 7LJKWHQ WR 1P OE IW

&RQQHFW WKH FDEOH HQG WR WKH VKLIW OHYHU

$OO YHKLFOHV

127($OLJQ WKH LQGH[PDUNV PDGH GXULQJ UHPRYDO

,QVWDOO WKH UHDU GULYHVKDIW 5HIHU WR 5($5 ')6+$)7 IRU DGGLWLRQDO LQIR

127($OLJQ WKH LQGH[PDUNV PDGH GXULQJ UHPRYDO

,QVWDOO WKH IURQW GULYHVKDIW 5HIHU WR)5217 ')6+$)7 IRU DGGLWLRQDO LQI

,I GUDLQHG ILOO WKH WUDQVIHU FDVH 5HIHU WR)/8,' &+(&. $1'),//,1* LQ WKH *HQHUDO 3URFHGXUHV

,I HTXLSSHG SRVLWLRQ WKH VNLG SODWH DQG LQVWDOO WKH VWXGV

z 7LJKWHQ WR 1P OE IW

)LJ /RFDWLQJ 6NLG 3ODWH %ROWV
&RXUWHV\ RI)25' 02725 &2