

**SECTION 6**  
**REMEDIAL & REPAIR**

# CASING PATCHES

## LEAD SEAL TYPE



CASING PATCHES – LEAD SEAL TYPE									
<b>Casing</b>	<b>OD</b>	2-3/8"	2-7/8"	4"	4-1/2"	5"	5-1/2"	5-3/4"	6'
<b>Patch</b>	<b>OD</b>	3-7/16"	4"	5-1/4"	5-3/4"	6-1/4"	6-13/16"	7-1/16"	7-5/16"
<b>Complete Assembly</b>	<b>Part#</b>	<b>LS-23</b>	<b>LS-27</b>	<b>LS-4</b>	<b>LS-44</b>	<b>LS-5</b>	<b>LS-54</b>	<b>LS-56</b>	<b>LS-6</b>
	<b>Price</b>	\$3,576	\$3,745	\$4,494	\$4,807	\$5,027	\$5,314	\$5,515	\$5,701

CASING PATCHES – LEAD SEAL TYPE – REPLACEMENT PARTS									
<b>Bowl</b>	<b>Part#</b>	<b>LS-23-1</b>	<b>LS-27-1</b>	<b>LS-4-1</b>	<b>LS-44-1</b>	<b>LS-5-1</b>	<b>LS-54-1</b>	<b>LS-56-1</b>	<b>LS-6-1</b>
	<b>Price</b>	\$1,214	\$1,308	\$1,636	\$1,806	\$1,855	\$2,025	\$2,041	\$2,167
<b>Grapple Sleeve</b>	<b>Part#</b>	<b>LS-23-3</b>	<b>LS-27-3</b>	<b>LS-4-3</b>	<b>LS-44-3</b>	<b>LS-5-3</b>	<b>LS-54-3</b>	<b>LS-56-3</b>	<b>LS-6-3</b>
	<b>Price</b>	\$1,080	\$1,147	\$1,289	\$1,289	\$1,341	\$1,383	\$1,409	\$1,501
<b>Grapple</b>	<b>Part#</b>	<b>LS-23-8</b>	<b>LS-27-8</b>	<b>LS-4-8</b>	<b>LS-44-8</b>	<b>LS-5-8</b>	<b>LS-54-8</b>	<b>LS-56-8</b>	<b>LS-6-8</b>
	<b>Price</b>	\$346	\$375	\$484	\$541	\$582	\$633	\$649	\$669
<b>Grapple Control</b>	<b>Part#</b>	<b>LS-23-7</b>	<b>LS-27-7</b>	<b>LS-4-7</b>	<b>LS-44-7</b>	<b>LS-5-7</b>	<b>LS-54-7</b>	<b>LS-56-7</b>	<b>LS-6-7</b>
	<b>Price</b>	\$166	\$166	\$180	\$182	\$193	\$216	\$217	\$217
<b>Guide</b>	<b>Part#</b>	<b>LS-23-2</b>	<b>LS-27-2</b>	<b>LS-4-2</b>	<b>LS-44-2</b>	<b>LS-5-2</b>	<b>LS-54-2</b>	<b>LS-56-2</b>	<b>LS-6-2</b>
	<b>Price</b>	\$341	\$341	\$444	\$478	\$521	\$549	\$592	\$599
<b>Lead Seal</b> (2 Req'd)	<b>Part#</b>	<b>LS-23-5</b>	<b>LS-27-5</b>	<b>LS-4-5</b>	<b>LS-44-5</b>	<b>LS-5-5</b>	<b>LS-54-5</b>	<b>LS-56-5</b>	<b>LS-6-5</b>
	<b>Price</b>	\$50	\$62	\$62	\$69	\$69	\$69	\$79	\$82
<b>Center Seal</b> Ring (2 Req'd)	<b>Part#</b>	<b>LS-23-4</b>	<b>LS-27-4</b>	<b>LS-4-4</b>	<b>LS-44-4</b>	<b>LS-5-4</b>	<b>LS-54-4</b>	<b>LS-56-4</b>	<b>LS-6-4</b>
	<b>Price</b>	\$82	\$82	\$89	\$89	\$89	\$89	\$104	\$104

**NOTE:**

If Bowl Guide or Top Sub is left oversize, add 20% for the first 1/4" or portion thereof, and an additional 10% for each additional 1/4" or portion thereof.

**WHEN ORDERING, PLEASE SPECIFY:**

1. Name and Number of Assembly or Part
2. Casing O.D.
3. Size and Type of Thread

CASING PATCHES – LEAD SEAL TYPE <i>(continued)</i>									
<b>Casing</b>	<b>OD</b>	6-5/8"	7"	7-5/8"	8-5/8"	9-5/8"	10-3/4"	11-3/4"	13-3/8"
<b>Patch</b>	<b>OD</b>	7-15/16"	8-3/8"	9"	10-1/16"	11-1/8"	12-5/16"	13-1/4"	15-1/2"
<b>Complete Assembly</b>	<b>Part#</b>	<b>LS-65</b>	<b>LS-7</b>	<b>LS-75</b>	<b>LS-85</b>	<b>LS-95</b>	<b>LS-106</b>	<b>LS-116</b>	<b>LS-133</b>
	<b>Price</b>	\$6,039	\$6,317	\$6,945	\$8,655	\$9,656	\$12,779	\$16,590	\$22,318

CASING PATCHES – LEAD SEAL TYPE – REPLACEMENT PARTS <i>(continued)</i>									
<b>Bowl</b>	<b>Part#</b>	<b>LS-65-1</b>	<b>LS-7-1</b>	<b>LS-75-1</b>	<b>LS-85-1</b>	<b>LS-95-1</b>	<b>LS-106-1</b>	<b>LS-116-1</b>	<b>LS-133-1</b>
	<b>Price</b>	\$2,303	\$2,370	\$3,213	\$4,066	\$4,369	\$5,356	\$7,371	\$9,286
<b>Grapple Sleeve</b>	<b>Part#</b>	<b>LS-65-3</b>	<b>LS-7-3</b>	<b>LS-75-3</b>	<b>LS-85-3</b>	<b>LS-95-3</b>	<b>LS-106-3</b>	<b>LS-116-3</b>	<b>LS-133-3</b>
	<b>Price</b>	\$1,577	\$1,670	\$1,687	\$2,033	\$2,396	\$2,648	\$3,247	\$4,799
<b>Grapple</b>	<b>Part#</b>	<b>LS-65-8</b>	<b>LS-7-8</b>	<b>LS-75-8</b>	<b>LS-85-8</b>	<b>LS-95-8</b>	<b>LS-106-8</b>	<b>LS-116-8</b>	<b>LS-133-8</b>
	<b>Price</b>	\$735	\$763	\$800	\$903	\$1,131	\$1,477	\$1,991	\$2,674
<b>Grapple Control</b>	<b>Part#</b>	<b>LS-65-7</b>	<b>LS-7-7</b>	<b>LS-75-7</b>	<b>LS-85-7</b>	<b>LS-95-7</b>	<b>LS-106-7</b>	<b>LS-116-7</b>	<b>LS-133-7</b>
	<b>Price</b>	\$244	\$255	\$255	\$296	\$412	\$518	\$730	\$971
<b>Guide</b>	<b>Part#</b>	<b>LS-65-2</b>	<b>LS-7-2</b>	<b>LS-75-2</b>	<b>LS-85-2</b>	<b>LS-95-2</b>	<b>LS-106-2</b>	<b>LS-116-2</b>	<b>LS-133-2</b>
	<b>Price</b>	\$630	\$635	\$761	\$1,213	\$1,324	\$1,913	\$2,155	\$3,300
<b>Lead Seal</b> (2 Req'd)	<b>Part#</b>	<b>LS-65-5</b>	<b>LS-7-5</b>	<b>LS-75-5</b>	<b>LS-85-5</b>	<b>LS-95-5</b>	<b>LS-106-5</b>	<b>LS-116-5</b>	<b>LS-133-5</b>
	<b>Price</b>	\$89	\$95	\$98	\$104	\$111	\$129	\$152	\$203
<b>Center Seal</b> Ring (2 Req'd)	<b>Part#</b>	<b>LS-65-4</b>	<b>LS-7-4</b>	<b>LS-75-4</b>	<b>LS-85-4</b>	<b>LS-95-4</b>	<b>LS-106-4</b>	<b>LS-116-4</b>	<b>LS-133-4</b>
	<b>Price</b>	\$116	\$129	\$151	\$162	\$164	\$217	\$264	\$338

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**WHEN ORDERING, PLEASE SPECIFY:**

1. Name and Number of Assembly or Part
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3. Size and Type of Thread

CASING PATCHES – PACKER TYPE BASKET GRAPPLE								
<b>Casing</b>	<b>OD</b>	2-7/8"	3-1/2"	4-1/2"	5-1/2"	7"	9-5/8"	11-3/4"
<b>Patch</b>	<b>OD</b>	4"	4-3/4"	5-3/4"	6-13/16"	8-3/8"	11-1/8"	13-3/8"
<b>Complete Assembly</b>	<b>Part#</b>	PCP-287	PCP-350	PCP-450	PCP-550	PCP-700	PCP-962	PCP-1175
	<b>Price</b>	\$5,286	\$5,999	\$7,017	\$8,297	\$10,238	\$15,888	\$22,765

CASING PATCHES – PACKER TYPE BASKET GRAPPLE – REPLACEMENT PARTS								
<b>Top Sub</b>	<b>Part#</b>	PCP-287-3	PCP-350-3	PCP-450-3	PCP-550-3	PCP-700-3	PCP-962-3	PCP-1175-3
	<b>Price</b>	\$564	\$651	\$731	\$1,015	\$1,322	\$2,000	\$3,922
<b>Seal Kit</b>	<b>Part#</b>	PCP-287-7	PCP-350-7	PCP-450-7	PCP-550-7	PCP-700-7	PCP-962-7	PCP-1175-7
	<b>Price</b>	\$18	\$18	\$22	\$33	\$39	\$60	\$61
<b>Packer Protector</b>	<b>Part#</b>	PCP-287-9	PCP-350-9	PCP-450-9	PCP-550-9	PCP-700-9	PCP-962-9	PCP-1175-9
	<b>Price</b>	\$364	\$376	\$401	\$426	\$479	\$875	\$1,144
<b>Packer</b>	<b>Part#</b>	PCP-287-6	PCP-350-6	PCP-450-6	PCP-550-6	PCP-700-6	PCP-962-6	PCP-1175-6
	<b>Price</b>	\$100	\$100	\$107	\$114	\$124	\$156	\$269
<b>Bowl</b>	<b>Part#</b>	PCP-287-1	PCP-350-1	PCP-450-1	PCP-550-1	PCP-700-1	PCP-962-1	PCP-1175-1
	<b>Price</b>	\$2,826	\$3,028	\$3,835	\$4,097	\$4,790	\$6,626	\$8,642
<b>Basket Grapple</b>	<b>Part#</b>	PCP-287-4	PCP-350-4	PCP-450-4	PCP-550-4	PCP-700-4	PCP-962-4	PCP-1175-4
	<b>Price</b>	\$722	\$860	\$906	\$1,074	\$1,421	\$2,649	\$3,871
<b>Mill Control Packer</b>	<b>Part#</b>	PCP-287-5E	PCP-350-5E	PCP-450-5E	PCP-550-5E	PCP-700-5E	PCP-962-5E	PCP-1175-5E
	<b>Price</b>	\$308	\$421	\$438	\$515	\$729	\$1,588	\$2,183
<b>Guide</b>	<b>Part#</b>	PCP-287-2	PCP-350-2	PCP-450-2	PCP-550-2	PCP-700-2	PCP-962-2	PCP-1175-2
	<b>Price</b>	\$317	\$357	\$500	\$663	\$851	\$1,614	\$2,296

\* SEAL KITS CONSIST OF: TOP SUB SEAL, SEAL PROTECTOR SEAL, & MILL CONTROL PACKER SEAL

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2. Casing O.D.
3. Size and type of thread