

## CREDESCENCE A-SERIES SCOTCH YOKE ACTUATOR

HYDRAULIC SPRING RETURN SCOTCH YOKE ACTUATOR TORQUES  
TORQUE DATA IN METRIC (Nm)



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A07H15-SR5	Start	1165									135	269	395	603
	Run	507									164	233	298	406
	End	864									436	570	696	904
A07H17-SR5	Start	1165							437	666	1123	1359		
	Run	507							320	438	674	796		
	End	864							737	966	1424	1660		
A07H02-SR5	Start	1165					290	873	1382					
	Run	507					244	545	808					
	End	864					591	1173	1682					
A07H22-SR5	Start	1165				499	915	1747						
	Run	507				352	567	996						
	End	864				800	1216	2048						
A07H25-SR5	Start	1165			511	898	1414							
	Run	507			358	558	824							
	End	864			812	1198	1714							
A07H03-SR5	Start	1165	262	874	1485									
	Run	507	229	545	861									
	End	864	563	1174	1786									
A07H35-SR5	Start	1165			889	1769								
	Run	507			553	1008								
	End	864	1190	2070										
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A07H15-SR4	Start	1354									80	206	414
	Run	601									139	204	312
	End	1050									384	510	718
A07H17-SR4	Start	1354						248	477	934	1170	1392	1758
	Run	601						226	344	580	702	817	1006
	End	1050						552	780	1238	1474	1696	2062
A07H02-SR4	Start	1354						683	1193	1556			
	Run	601						451	714	902			
	End	1050						987	1496	1860			
A07H22-SR4	Start	1354					726	1558					
	Run	601					473	903					
	End	1050					1030	1862					
A07H25-SR4	Start	1354			322	709	1224	2256					
	Run	601			264	464	730	1263					
	End	1050			626	1013	1528	2560					
A07H03-SR4	Start	1354		685	1296	1908							
	Run	601		451	767	1083							
	End	1050		988	1600	2211							
A07H35-SR4	Start	1354	700	1580									
	Run	601	459	914									
	End	1050	1004	1884									
A07H17-SR3	Start	1630								658	894	1116	1482
	Run	719								462	584	698	887
	End	1247								1041	1277	1499	1865
A07H02-SR3	Start	1630						917	1281	2008			
	Run	719						596	783	1159			
	End	1247						1300	1663	2391			
A07H22-SR3	Start	1630					450	1282	2010				
	Run	719					355	784	1160				
	End	1247					833	1665	2393				
A07H25-SR3	Start	1630				433	949	1980					
	Run	719				346	612	1145					
	End	1247				816	1331	2363					
A07H03-SR3	Start	1630		409	1020	1632							
	Run	719		333	649	965							
	End	1247		791	1403	2014							
A07H35-SR3	Start	1630	424	1304	2185								
	Run	719	341	796	1250								
	End	1247	807	1687	2567								
A07H17-SR2	Start	1930									594	815	1181
	Run	845									458	573	762
	End	1450									1074	1296	1662
A07H02-SR2	Start	1930						616	980	1708	2083		
	Run	845						470	658	1033	1227		
	End	1450						1097	1461	2188	2563		
A07H22-SR2	Start	1930						982	1710	2230			
	Run	845						659	1034	1303			
	End	1450						1462	2190	2710			
A07H25-SR2	Start	1930					648	1679	2582				
	Run	845					486	1019	1485				
	End	1450					1129	2160	3062				
A07H03-SR2	Start	1930			720	1331	2147						
	Run	845			523	839	1260						
	End	1450			1200	1812	2627						
A07H35-SR2	Start	1930		1004	1884	2764							
	Run	845		670	1124	1579							
	End	1450		1484	2365	3245							
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)												
			35	50	65	80	100	140	175	200	250	276	300	340	
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM												
A07H17-SR1	Start	2237											508	874	
	Run	969											449	638	
	End	1638											1107	1473	
A07H02-SR1	Start	2237								673	1401	1776	2128	2710	
	Run	969								534	909	1103	1285	1585	
	End	1638								1272	2000	2375	2727	3309	
A07H22-SR1	Start	2237						675	1403	1923	2963				
	Run	969						535	910	1179	1716				
	End	1638						1274	2002	2522	3562				
A07H25-SR1	Start	2237					341	1372	2275	2919					
	Run	969					362	895	1361	1693					
	End	1638					940	1971	2874	3518					
A07H03-SR1	Start	2237			413	1024	1840								
	Run	969			399	715	1136								
	End	1638			1012	1623	2438								
A07H35-SR1	Start	2237		697	1577	2457									
	Run	969		546	1000	1455									
	End	1638		1296	2176	3056									
A08H17-SR5	Start	1789											750	1088	
	Run	804											506	681	
	End	1429											1109	1447	
A08H02-SR5	Start	1789							873	1253	2014				
	Run	804							570	766	1159				
	End	1429							1232	1613	2373				
A08H22-SR5	Start	1789				513	1434	2240							
	Run	804				384	859	1275							
	End	1429				873	1794	2599							
A08H25-SR5	Start	1789				551	1136	2306							
	Run	804				404	706	1310							
	End	1429				911	1496	2666							
A08H03-SR5	Start	1789		610	1330	2050									
	Run	804		434	806	1177									
	End	1429		970	1689	2409									
A08H35-SR5	Start	1789	674	1730	2786										
	Run	804	467	1012	1557										
	End	1429	1034	2089	3145										
A08H04-SR5	Start	1789	1662												
	Run	804	977												
	End	1429	2021												
A08H17-SR4	Start	1959											375	579	918
	Run	874											331	437	612
	End	1536											797	1002	1341
A08H02-SR4	Start	1959							703	1083	1844	2236			
	Run	874							501	697	1090	1292			
	End	1536							1126	1506	2266	2659			
A08H22-SR4	Start	1959						1264	2070						
	Run	874						790	1206						
	End	1536						1687	2493						
A08H25-SR4	Start	1959					966	2136							
	Run	874					636	1241							
	End	1536					1389	2559							
A08H03-SR4	Start	1959		440	1160	1880	2839								
	Run	874		365	737	1108	1604								
	End	1536		863	1583	2302	3262								
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)												
			35	50	65	80	100	140	175	200	250	276	300	340	
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM												

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		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A08H35-SR4	Start	1959	504	1560	2615								
	Run	874	398	943	1488								
	End	1536	927	1983	3038								
A08H04-SR4	Start	1959	1492	2970									
	Run	874	908	1671									
	End	1536	1914	3393									
A08H02-SR3	Start	2533							509	1269	1661	2030	2638
	Run	1129							441	834	1037	1227	1541
	End	1984							1058	1819	2211	2579	3188
A08H22-SR3	Start	2533					690	1495	2071	3222			
	Run	1129					535	951	1248	1842			
	End	1984					1239	2045	2620	3771			
A08H25-SR3	Start	2533					1562	2585					
	Run	1129					985	1514					
	End	1984					2111	3135					
A08H03-SR3	Start	2533			585	1305	2265	4184					
	Run	1129			481	853	1348	2339					
	End	1984			1135	1855	2814	4734					
A08H35-SR3	Start	2533			985	2041	3096						
	Run	1129			687	1232	1777						
	End	1984			1535	2591	3646						
A08H04-SR3	Start	2533	917	2396	3874								
	Run	1129	652	1416	2179								
	End	1984	1467	2945	4424								
A08H02-SR2	Start	2991								812	1204	1572	2181
	Run	1324								639	842	1032	1346
	End	2304								1498	1890	2258	2867
A08H22-SR2	Start	2991					232	1038	1613	2764	3358		
	Run	1324					340	756	1053	1648	1954		
	End	2304					918	1724	2300	3451	4044		
A08H25-SR2	Start	2991					1104	2128	2859	4322			
	Run	1324					790	1319	1697	2452			
	End	2304					1791	2814	3545	5008			
A08H03-SR2	Start	2991			128	848	1807	3726					
	Run	1324			286	658	1153	2144					
	End	2304			814	1534	2494	4413					
A08H35-SR2	Start	2991			528	1584	2639	4047					
	Run	1324			493	1038	1583	2310					
	End	2304			1214	2270	3325	4733					
A08H04-SR2	Start	2991	460	1938	3417								
	Run	1324	458	1221	1985								
	End	2304	1146	2625	4103								
A08H02-SR1	Start	3335								467	860	1228	1836
	Run	1447								516	718	908	1223
	End	2455								1348	1740	2108	2717
A08H22-SR1	Start	3335						693	1269	2420	3014	3571	
	Run	1447						633	930	1524	1830	2118	
	End	2455						1574	2150	3301	3894	4452	
A08H25-SR1	Start	3335					760	1783	2515	3977			
	Run	1447					667	1195	1573	2328			
	End	2455					1640	2664	3395	4858			
A08H03-SR1	Start	3335					1463	3382					
	Run	1447					1030	2021					
	End	2455					2343	4263					
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A08H35-SR1	Start	3335			1239	2295	3702	6517					
	Run	1447			914	1459	2186	3639					
	End	2455			2120	3175	4583	7397					
A08H04-SR1	Start	3335		1594	3073	4551	6523	10466					
	Run	1447		1097	1861	2624	3642	5678					
	End	2455		2474	3953	5432	7404	11347					
A09H02-SR5	Start	3236									632	972	1533
	Run	1410									587	763	1052
	End	2403									1466	1805	2366
A09H22-SR5	Start	3236						859	1443	2613	3217	3783	
	Run	1410						704	1006	1610	1922	2215	
	End	2403						1692	2277	3447	4050	4617	
A09H25-SR5	Start	3236						1086	2167	2938	4482		
	Run	1410						822	1380	1778	2575		
	End	2403						1920	3000	3772	5316		
A09H03-SR5	Start	3236				1032	2099	4233					
	Run	1410				794	1345	2446					
	End	2403				1865	2932	5066					
A09H35-SR5	Start	3236			1978	3181	4786						
	Run	1410			1282	1904	2732						
	End	2403			2811	4015	5619						
A09H04-SR5	Start	3236		2467	4178								
	Run	1410		1535	2418								
	End	2403		3301	5012								
A09H45-SR5	Start	3236	1712	3832									
	Run	1410	1145	2240									
	End	2403	2545	4666									
A09H22-SR4	Start	4209								1640	2244	2810	3746
	Run	1848								1172	1483	1776	2259
	End	3184								2666	3269	3836	4772
A09H25-SR4	Start	4209						1194	1965	3509	4305		
	Run	1848						941	1340	2137	2548		
	End	3184						2219	2991	4534	5331		
A09H03-SR4	Start	4209				1126	3260	5127					
	Run	1848				906	2008	2972					
	End	3184				2151	4285	6152					
A09H35-SR4	Start	4209			1005	2208	3813						
	Run	1848			844	1465	2293						
	End	3184			2030	3234	4838						
A09H04-SR4	Start	4209		1494	3205	4916							
	Run	1848		1096	1980	2863							
	End	3184		2519	4231	5942							
A09H45-SR4	Start	4209		2859	4980								
	Run	1848		1801	2896								
	End	3184		3884	6005								
A09H22-SR3	Start	5258								592	1195	1762	2698
	Run	2308								712	1024	1316	1799
	End	3975								1875	2478	3045	3981
A09H25-SR3	Start	5258							917	2461	3257	4004	5239
	Run	2308							880	1677	2088	2474	3111
	End	3975							2200	3743	4540	5287	6522

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ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)												
		35	50	65	80	100	140	175	200	250	276	300	340	
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM												
A09H03-SR3	Start	5258						2211	4078	5412				
	Run	2308						1548	2512	3201				
	End	3975						3494	5361	6695				
A09H35-SR3	Start	5258			1160	2764	5973							
	Run	2308			1005	1834	3490							
	End	3975			2443	4047	7256							
A09H04-SR3	Start	5258		2157	3868	6149								
	Run	2308		1520	2403	3581								
	End	3975		3440	5151	7432								
A09H45-SR3	Start	5258	1811	3931	6052									
	Run	2308	1341	2436	3531									
	End	3975	3093	5214	7335									
A09H22-SR2	Start	6336										684	1620	
	Run	2774										851	1334	
	End	4758										2262	3198	
A09H25-SR2	Start	6336								1382	2179	2926	4161	
	Run	2774								1212	1623	2009	2646	
	End	4758								2960	3757	4504	5739	
A09H03-SR2	Start	6336					1133	3000	4334	7002				
	Run	2774					1083	2047	2735	4113				
	End	4758					2711	4578	5912	8579				
A09H35-SR2	Start	6336				1686	4895	7703						
	Run	2774				1368	3025	4475						
	End	4758				3264	6473	9280						
A09H04-SR2	Start	6336		1079	2790	5071								
	Run	2774		1055	1938	3116								
	End	4758		2656	4368	6649								
A09H45-SR2	Start	6336	733	2853	4974	7801								
	Run	2774	876	1971	3066	4525								
	End	4758	2310	4431	6551	9379								
A09H25-SR1	Start	7653										1609	2844	
	Run	3300										1482	2120	
	End	5547										3716	4951	
A09H03-SR1	Start	7653						1683	3017	5685	7061			
	Run	3300						1520	2209	3586	4297			
	End	5547						3790	5124	7791	9167			
A09H35-SR1	Start	7653				3578	6386	8391						
	Run	3300				2499	3948	4984						
	End	5547				5684	8492	10498						
A09H04-SR1	Start	7653				3754	8317							
	Run	3300				2590	4945							
	End	5547				5861	10423							
A09H45-SR1	Start	7653		1536	3657	6484	12139							
	Run	3300		1444	2539	3999	6919							
	End	5547		3643	5763	8591	14245							
A10H25-SR5	Start	7548								1015	1899	2728	4098	
	Run	3213								1208	1664	2093	2800	
	End	5305								3259	4142	4972	6342	
A10H03-SR5	Start	7548						3254	4797	7883				
	Run	3213						2364	3161	4754				
	End	5305						5497	7040	10127				
A10H35-SR5	Start	7548				1908	5691	9001						
	Run	3213				1669	3622	5331						
	End	5305				4152	7935	11244						
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)												
		35	50	65	80	100	140	175	200	250	276	300	340	
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM												

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TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A10H04-SR5	Start	7548				3327	6046						
	Run	3213				2402	3805						
	End	5305				5570	8289						
A10H45-SR5	Start	7548			3457	5996	9382						
	Run	3213			2469	3780	5528						
	End	5305			5700	8240	11626						
A10H05-SR5	Start	7548		3717	7097	10477							
	Run	3213		2603	4348	6093							
	End	5305		5961	9340	12720							
A10H06-SR5	Start	7548	4161	9179									
	Run	3213	2832	5423									
	End	5305	6404	11422									
A10H03-SR4	Start	9700							2646	5732	7324	8818	11287
	Run	4100							2274	3867	4689	5461	6736
	End	6701							5645	8731	10323	11817	14286
A10H35-SR4	Start	9700					3540	6850	9214	13942			
	Run	4100					2736	4444	5665	8106			
	End	6701					6539	9849	12213	16941			
A10H04-SR4	Start	9700				1176	3895	9332	14090				
	Run	4100				1515	2919	5726	8183				
	End	6701				4175	6894	12331	17089				
A10H45-SR4	Start	9700			1305	3845	7231	14003					
	Run	4100			1582	2893	4641	8138					
	End	6701			4304	6844	10230	17002					
A10H05-SR4	Start	9700		1566	4946	8325	12832						
	Run	4100		1716	3461	5206	7533						
	End	6701		4565	7945	11325	15831						
A10H06-SR4	Start	9700	2010	7028	12046								
	Run	4100	1945	4536	7127								
	End	6701	5009	10027	15045								
A10H03-SR3	Start	11663								3768	5360	6855	9324
	Run	4937								3030	3852	4624	5898
	End	8086								7346	8938	10432	12901
A10H35-SR3	Start	11663					1576	4886	7250	11979			
	Run	4937					1898	3607	4828	7269			
	End	8086					5154	8464	10828	15556			
A10H04-SR3	Start	11663				1931	7369	12126					
	Run	4937				2082	4889	7346					
	End	8086				5509	10946	15704					
A10H45-SR3	Start	11663				1881	5267	12040					
	Run	4937				2056	3804	7301					
	End	8086				5459	8845	15617					
A10H05-SR3	Start	11663			2982	6362	10868						
	Run	4937			2624	4369	6696						
	End	8086			6560	9940	14446						
A10H06-SR3	Start	11663		5064	10082	15100							
	Run	4937		3699	6290	8881							
	End	8086		8642	13660	18678							
A10H03-SR2	Start	13255									3769	5263	7732
	Run	5691									3098	3870	5145
	End	9509									7514	9009	11478
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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**HYDRAULIC SPRING RETURN SCOTCH YOKE ACTUATOR TORQUES  
TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A10H35-SR2	Start	13255							3295	5659	10387	12826	15116
	Run	5691							2853	4074	6515	7775	8957
	End	9509							7040	9404	14133	16571	18861
A10H04-SR2	Start	13255						5777	10535	13933			
	Run	5691						4135	6592	8346			
	End	9509						9522	14280	17679			
A10H45-SR2	Start	13255					3676	10448	16374				
	Run	5691					3050	6547	9606				
	End	9509					7421	14194	20119				
A10H05-SR2	Start	13255			1391	4770	9277	18289					
	Run	5691			1870	3615	5942	10595					
	End	9509			5136	8516	13022	22034					
A10H06-SR2	Start	13255		3473	8491	13509							
	Run	5691		2945	5536	8127							
	End	9509		7218	12236	17254							
A10H03-SR1	Start	17137										1381	3850
	Run	7009										2551	3826
	End	10901										7617	10086
A10H35-SR1	Start	17137							1777	6505	8944	11234	15016
	Run	7009							2756	5197	6456	7638	9591
	End	10901							8013	12741	15180	17469	21252
A10H04-SR1	Start	17137							6653	10052	16849	20355	
	Run	7009							5273	7028	10537	12347	
	End	10901							12889	16287	23084	26590	
A10H45-SR1	Start	17137						6566	12492	16725	25190		
	Run	7009						5229	8288	10473	14844		
	End	10901						12802	18728	22960	31426		
A10H05-SR1	Start	17137					5395	14407	22293	27926			
	Run	7009					4624	9277	13348	16257			
	End	10901					11630	20643	28529	34162			
A10H06-SR1	Start	17137			4609	9627	16318	29700					
	Run	7009			4218	6809	10263	17172					
	End	10901			10845	15863	22554	35936					
A11H35-SR5	Start	15387							3620	6335	11766	14567	17196
	Run	6010							3803	5205	8009	9455	10813
	End	8654							10353	13068	18499	21300	23929
A11H04-SR5	Start	15387						7190	12835	16866			
	Run	6010						5647	8561	10642			
	End	8654						13924	19568	23600			
A11H45-SR5	Start	15387					4986	13136	20266				
	Run	6010					4509	8716	12398				
	End	8654					11719	19869	26999				
A11H05-SR5	Start	15387			2489	6614	12114	23115					
	Run	6010			3219	5349	8189	13869					
	End	8654			9222	13347	18848	29848					
A11H06-SR5	Start	15387		5315	11525	17736							
	Run	6010		4678	7885	11091							
	End	8654		12048	18259	24469							
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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**HYDRAULIC SPRING RETURN SCOTCH YOKE ACTUATOR TORQUES  
TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A11H07-SR5	Start	15387	4855	13530	22205								
	Run	6010	4441	8920	13399								
	End	8654	11588	20263	28938								
A11H08-SR5	Start	15387	11490	23009									
	Run	6010	7867	13814									
	End	8654	18223	29742									
A11H35-SR4	Start	20254							1468	6898	9700	12329	16673
	Run	8061							3154	5958	7405	8762	11005
	End	11989							9733	15164	17965	20594	24939
A11H04-SR4	Start	20254					2323	7968	11999	20063			
	Run	8061					3596	6510	8592	12755			
	End	11989					10589	16233	20265	28328			
A11H45-SR4	Start	20254					8268	15399	20492				
	Run	8061					6666	10347	12977				
	End	11989					16534	23665	28758				
A11H05-SR4	Start	20254			1747	7247	18248						
	Run	8061			3299	6138	11818						
	End	11989			10012	15513	26513						
A11H06-SR4	Start	20254		6658	12869	21150							
	Run	8061		5834	9041	13316							
	End	11989		14924	21134	29415							
A11H07-SR4	Start	20254	8663	17338	26013								
	Run	8061	6869	11348	15827								
	End	11989	16928	25603	34278								
A11H08-SR4	Start	20254	6623	18142	29660								
	Run	8061	5816	11763	17710								
	End	11989	14888	26407	37926								
A11H35-SR3	Start	26326									3628	6257	10602
	Run	10406									5060	6417	8660
	End	15297									14657	17286	21631
A11H04-SR3	Start	26326						1896	5927	13991	18150	22054	28505
	Run	10406						4165	6247	10410	12557	14573	17904
	End	15297						12925	16957	25020	29179	33084	39534
A11H45-SR3	Start	26326					2197	9327	14421	24607	29862		
	Run	10406					4321	8002	10632	15891	18604		
	End	15297					13226	20357	25450	35636	40891		
A11H05-SR3	Start	26326				1175	12176	21801	28677				
	Run	10406				3793	9473	14443	17993				
	End	15297				12205	23205	32831	39706				
A11H06-SR3	Start	26326			6797	15078	31639						
	Run	10406			6696	10971	19522						
	End	15297			17826	26107	42669						
A11H07-SR3	Start	26326	2591	11266	19941	31508							
	Run	10406	4524	9003	13482	19454							
	End	15297	13620	22295	30970	42537							
A11H08-SR3	Start	26326	12070	23589	35107								
	Run	10406	9418	15365	21313								
	End	15297	23099	34618	46137								
A11H35-SR2	Start	29888										2695	7040
	Run	12139										4684	6927
	End	18668										13915	18259
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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**HYDRAULIC SPRING RETURN SCOTCH YOKE ACTUATOR TORQUES**  
**TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)												
		35	50	65	80	100	140	175	200	250	276	300	340	
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM												
A11H04-SR2	Start	29888								2366	10429	14588	18492	24943
	Run	12139								4514	8677	10824	12840	16170
	End	18668								13585	21649	25808	29712	36163
A11H45-SR2	Start	29888							5765	10859	21045	26300	31232	
	Run	12139							6269	8899	14158	16871	19417	
	End	18668							16985	22078	32265	37519	42452	
A11H05-SR2	Start	29888						8614	18239	25115	38866			
	Run	12139						7740	12709	16259	23359			
	End	18668						19834	29459	36335	50085			
A11H06-SR2	Start	29888			3235	11516	28077	42569						
	Run	12139			4963	9238	17789	25271						
	End	18668			14455	22735	39297	53788						
A11H07-SR2	Start	29888		7704	16379	27946								
	Run	12139		7270	11749	17721								
	End	18668		18924	27599	39166								
A11H08-SR2	Start	29888	8508	20027	31545									
	Run	12139	7685	13632	19579									
	End	18668	19728	31246	42765									
A11H35-SR1	Start	35754												
	Run	14436												
	End	21990												
A11H04-SR1	Start	35754								4563	8722	12626	19077	
	Run	14436								6380	8527	10543	13873	
	End	21990								18327	22486	26390	32841	
A11H45-SR1	Start	35754								4992	15179	20433	25366	33515
	Run	14436								6602	11861	14574	17120	21328
	End	21990								18756	28943	34197	39130	47279
A11H05-SR1	Start	35754					2748	12373	19249	32999	40092			
	Run	14436					5443	10412	13962	21062	24724			
	End	21990					16512	26137	33013	46763	53856			
A11H06-SR1	Start	35754				5650	22211	36702						
	Run	14436				6941	15492	22974						
	End	21990				19414	35975	50466						
A11H07-SR1	Start	35754		1838	10513	22080	45213							
	Run	14436		4973	9452	15424	27368							
	End	21990		15602	24277	35844	58977							
A11H08-SR1	Start	35754	2642	14160	25679	41037								
	Run	14436	5388	11335	17282	25212								
	End	21990	16406	27924	39443	54801								
A12H04-SR4	Start	35422								1411	10619	15368	19827	27193
	Run	14261								4755	9510	11962	14264	18067
	End	21623								15209	24417	29166	33625	40991
A12H45-SR4	Start	35422						5830	11724	23510	29589	35296		
	Run	14261						7037	10080	16165	19304	22251		
	End	21623						19629	25522	37308	43388	49094		
A12H05-SR4	Start	35422					9698	20978	29035	45149				
	Run	14261					9034	14858	19018	27338				
	End	21623					23496	34776	42833	58947				
A12H06-SR4	Start	35422			3866	13688	33332							
	Run	14261			6023	11094	21236							
	End	21623			17664	27486	47130							
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)												
		35	50	65	80	100	140	175	200	250	276	300	340	
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM												

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**HYDRAULIC SPRING RETURN SCOTCH YOKE ACTUATOR TORQUES  
TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A12H07-SR4	Start	35422			9468	19827	33639							
	Run	14261			8915	14264	21395							
	End	21623			23266	33625	47437							
A12H08-SR4	Start	35422		10619	24431	38243	56659							
	Run	14261		9510	16641	23772	33280							
	End	21623		24417	38229	52041	70457							
A12H09-SR4	Start	35422	5938	23663	41389									
	Run	14261	7093	16245	25396									
	End	21623	19736	37462	55187									
A12H04-SR3	Start	41589								4451	9201	13659	21026	
	Run	16618								7152	9605	11906	15710	
	End	24885								21155	25905	30363	37730	
A12H45-SR3	Start	41589							5556	17343	23422	29129	38558	
	Run	16618							7723	13808	16947	19893	24762	
	End	24885							22260	34047	40126	45833	55262	
A12H05-SR3	Start	41589						3530	14810	22867	38981	47293		
	Run	16618						6677	12501	16661	24980	29272		
	End	24885						20235	31514	39571	55686	63997		
A12H06-SR3	Start	41589					7521	27164	44353					
	Run	16618					8737	18879	27754					
	End	24885					24225	43869	61057					
A12H07-SR3	Start	41589				13659	27471	55096						
	Run	16618				11906	19038	33300						
	End	24885				30363	44176	71800						
A12H08-SR3	Start	41589			18263	32075	50492							
	Run	16618			14284	21415	30923							
	End	24885			34967	48780	67196							
A12H09-SR3	Start	41589		17496	35221	52947								
	Run	16618		13887	23039	32191								
	End	24885		34200	51926	69651								
A12H04-SR2	Start	51015										4233	11599	
	Run	20508										8017	11820	
	End	31017										24231	31598	
A12H45-SR2	Start	51015								7916	13996	19702	29131	
	Run	20508								9919	13057	16004	20872	
	End	31017								-590	2549	5495	10363	
A12H05-SR2	Start	51015								13441	29555	37867	45669	58560
	Run	20508								12771	21091	25382	29411	36066
	End	31017								2262	10582	14873	18902	25558
A12H06-SR2	Start	51015						17738	34926	47204	71759			
	Run	20508						14990	23864	30203	42881			
	End	31017						37737	54925	67202	91757			
A12H07-SR2	Start	51015				4233	18045	45669						
	Run	20508				8017	15148	29411						
	End	31017				24231	38043	65668						
A12H08-SR2	Start	51015			8837	22649	41065							
	Run	20508			10394	17525	27033							
	End	31017			28835	42648	61064							
A12H09-SR2	Start	51015		8070	25795	43521	67155							
	Run	20508		9998	19150	28301	40504							
	End	31017		28068	45794	63519	87153							
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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**HYDRAULIC SPRING RETURN SCOTCH YOKE ACTUATOR TORQUES  
TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A12H04-SR1	Start	57111											5504
	Run	22691											9637
	End	33654											28961
A12H45-SR1	Start	57111								1821	7900	13607	23036
	Run	22691								7736	10874	13821	18689
	End	33654								25278	31357	37064	46493
A12H05-SR1	Start	57111							7346	23460	31772	39574	52465
	Run	22691							10588	18908	23199	27228	33883
	End	33654							30803	46917	55229	63031	75922
A12H06-SR1	Start	57111						11643	28831	41109	65663		
	Run	22691						12807	21681	28020	40698		
	End	33654						35100	52288	64566	89120		
A12H07-SR1	Start	57111					11950	39574	63745				
	Run	22691					12965	27228	39707				
	End	33654					35407	63031	87202				
A12H08-SR1	Start	57111			2742	16554	34970	71802					
	Run	22691			8211	15342	24851	43867					
	End	33654			26199	40011	58427	95259					
A12H09-SR1	Start	57111		1974	19700	37425	61059						
	Run	22691		7815	16967	26118	38321						
	End	33654		25431	43157	60882	84516						
A13H05-SR5	Start	41289						8560	21022	29923	47726		
	Run	15051						10687	17121	21717	30909		
	End	18913						30935	43398	52299	70102		
A13H06-SR5	Start	41289					14674	37059	56647				
	Run	15051					13843	25401	35514				
	End	18913					37050	59435	79022				
A13H07-SR5	Start	41289			10725	22728	38732						
	Run	15051			11804	18002	26265						
	End	18913			33101	45104	61108						
A13H08-SR5	Start	41289		12601	28769	44936							
	Run	15051		12773	21120	29468							
	End	18913		34977	51144	67312							
A13H09-SR5	Start	41289		28332	49218								
	Run	15051		20895	31679								
	End	18913		50708	71594								
A13H10-SR5	Start	41289	19752	45913									
	Run	15051	16465	29972									
	End	18913	42128	68289									
A13H05-SR3	Start	69337								19679	28862	37482	51725
	Run	26215								19744	24486	28936	36290
	End	35523								53493	62676	71296	85538
A13H06-SR3	Start	69337						28599	42590	70572			
	Run	26215						24350	31573	46020			
	End	35523						62413	76404	104385			
A13H07-SR3	Start	69337					10685	42694	70701				
	Run	26215					15101	31627	46087				
	End	35523					44499	76507	104515				
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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**HYDRAULIC SPRING RETURN SCOTCH YOKE ACTUATOR TORQUES  
TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A13H08-SR3	Start	69337				16888	38445	81557						
	Run	26215				18303	29433	51692						
	End	35523				50702	72258	115371						
A13H09-SR3	Start	69337			21171	42057	69905							
	Run	26215			20514	31298	45676							
	End	35523			54984	75871	103719							
A13H10-SR3	Start	69337		17866	44026	70187								
	Run	26215		18808	32315	45822								
	End	35523		51679	77840	104000								
A13H05-SR2	Start	64164								7048	24851	34034	42655	56897
	Run	27701								9066	18258	22999	27450	34803
	End	46640								24573	42376	51559	60179	74422
A13H06-SR2	Start	64164						14184	33771	47762	75744			
	Run	27701						12751	22864	30087	44534			
	End	46640						31709	51296	65287	93269			
A13H07-SR2	Start	64164					15857	47866	75873					
	Run	27701					13614	30141	44601					
	End	46640					33382	65391	93398					
A13H08-SR2	Start	64164			5893	22061	43617	86729						
	Run	27701			8470	16817	27947	50206						
	End	46640			23418	39585	61141	104254						
A13H09-SR2	Start	64164			26343	47229	75078							
	Run	27701			19028	29812	44190							
	End	46640			43868	64754	92602							
A13H10-SR2	Start	64164		23038	49198	75359								
	Run	27701		17322	30829	44335								
	End	46640		40562	66723	92884								
A13H05-SR1	Start	75533								13483	22666	31286	45528	
	Run	32582								13377	18118	22569	29922	
	End	54796								34219	43402	52023	66265	
A13H06-SR1	Start	75533							22403	36394	64375	78808		
	Run	32582							17982	25206	39653	47105		
	End	54796							43139	57130	85112	99545		
A13H07-SR1	Start	75533					4489	36497	64505	84510				
	Run	32582					8733	25259	39720	50049				
	End	54796					25225	57234	85241	105247				
A13H08-SR1	Start	75533				10692	32248	75361						
	Run	32582				11936	23066	45325						
	End	54796				31429	52985	96097						
A13H09-SR1	Start	75533			14974	35861	63709							
	Run	32582			14147	24931	39309							
	End	54796			35711	56597	84446							
A13H10-SR1	Start	75533		11669	37830	63990								
	Run	32582		12440	25947	39454								
	End	54796		32406	58566	84727								
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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**HYDRAULIC SPRING RETURN SCOTCH YOKE ACTUATOR TORQUES  
TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A14H06-SR5	Start	53382				15256	42711	66734					
	Run	21951				13487	27662	40066					
	End	34422				34216	61671	85694					
A14H07-SR5	Start	53382		11829	26877	46942	87072	122186					
	Run	21951		11718	19487	29847	50566	68695					
	End	34422		30789	45838	65903	106032	141146					
A14H08-SR5	Start	53382		15061	35594	56127							
	Run	21951		13386	23988	34589							
	End	34422		34021	54554	75087							
A14H09-SR5	Start	53382		35779	62527								
	Run	21951		24083	37893								
	End	34422		54739	81487								
A14H10-SR5	Start	53382	25239	58934									
	Run	21951	18642	36039									
	End	34422	44200	77895									
A14H12-SR5	Start	53382	62776										
	Run	21951	38022										
	End	34422	81736										
A14H14-SR5	Start	53382	107137										
	Run	21951	60926										
	End	34422	126097										
A14H06-SR3	Start	122257						15018	49337	67039	83656	111112	
	Run	48565						22312	40031	49170	57750	71925	
	End	72001						65275	99594	117296	133913	161368	
A14H07-SR3	Start	122257				18197	53310	78392	128554				
	Run	48565				23953	42082	55031	80930				
	End	72001				68453	103567	128648	178810				
A14H08-SR3	Start	122257				14629	69383	117293	151514				
	Run	48565				22110	50380	75116	92785				
	End	72001				64885	119639	167549	201771				
A14H09-SR3	Start	122257			20400	56065	127394						
	Run	48565			25090	43504	80331						
	End	72001			70657	106321	177650						
A14H10-SR3	Start	122257		23754	57449	102376							
	Run	48565		26822	44219	67414							
	End	72001		74011	107706	152632							
A14H12-SR3	Start	122257	43683	93465	143247								
	Run	48565	37111	62814	88516								
	End	72001	93939	143721	193503								
A14H14-SR3	Start	122257	38262	107056	175850								
	Run	48565	34312	69831	105349								
	End	72001	88518	157312	226106								
A14H06-SR2	Start	166105								23192	39809	67264	
	Run	66786								30948	39528	53703	
	End	101040								88257	104874	132329	
A14H07-SR2	Start	166105						34544	84706	110580	134868	174998	
	Run	66786						36810	62709	76067	88608	109327	
	End	101040						99609	149771	175645	199933	240063	
A14H08-SR2	Start	166105					25535	73445	107667	176109			
	Run	66786					32158	56895	74563	109901			
	End	101040					90600	138510	172732	241175			
A14H09-SR2	Start	166105				12217	83546	145958	190539				
	Run	66786				25282	62110	94334	117351				
	End	101040				77282	148611	211024	255604				
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)	OPERATING HYDRAULIC PRESSURE (BAR)											
		35	50	65	80	100	140	175	200	250	276	300	340
		HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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**HYDRAULIC SPRING RETURN SCOTCH YOKE ACTUATOR TORQUES  
TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A14H10-SR2	Start	166105				13601	58528	148381	227003					
	Run	66786				25997	49193	95584	136177					
	End	101040				78667	123593	213446	292068					
A14H12-SR2	Start	166105			49617	99399	165775							
	Run	66786			44592	70295	104565							
	End	101040			114682	164464	230840							
A14H14-SR2	Start	166105		63208	132002	200796								
	Run	66786		51609	87128	122646								
	End	101040		128273	197067	265861								
A14H06-SR1	Start	196062											9851	37307
	Run	77642											28672	42847
	End	114507											91407	118862
A14H07-SR1	Start	196062							4587	54749	80623	104911	145041	
	Run	77642							25954	51853	65211	77752	98471	
	End	114507							170136	259297	305287	348458	419787	
A14H08-SR1	Start	196062							43488	77709	146152	181456		
	Run	77642							46039	63707	99045	117272		
	End	114507							125043	159265	227708	263011		
A14H09-SR1	Start	196062						53589	116001	160582				
	Run	77642						51254	83478	106495				
	End	114507						135144	197557	242137				
A14H10-SR1	Start	196062					28571	118424	197046					
	Run	77642					146991	236844	315466					
	End	114507					110126	199980	278601					
A14H12-SR1	Start	196062			19660	69442	135818	268569						
	Run	77642			33736	59439	93709	162249						
	End	114507			101215	150997	217373	350125						
A14H14-SR1	Start	196062		33251	102045	170838	262564							
	Run	77642		151671	220465	289258	380984							
	End	114507		114806	183600	252394	344119							
A15H08-SR5	Start	124090					32570	95234	150065					
	Run	47697					33187	65541	93850					
	End	66698					89961	152625	207456					
A15H09-SR5	Start	124090				42981	84749	168284						
	Run	47697				38562	60127	103257						
	End	66698				100373	142140	225676						
A15H10-SR5	Start	124090			49562	89635	143067							
	Run	47697			41960	62650	90237							
	End	66698			106953	147027	200458							
A15H11-SR5	Start	124090	16683	77014	137345	197677								
	Run	47697	24985	56134	87283	118432								
	End	66698	74074	134406	194737	255068								
A15H12-SR5	Start	124090	72545	156817										
	Run	47697	53826	97336										
	End	66698	129937	214209										
A15H14-SR5	Start	124090	137002											
	Run	47697	87106											
	End	66698	194393											
A15H16-SR5	Start	124090	210052											
	Run	47697	124822											
	End	66698	267443											
A15H06-SR4	Start	249114							25040	64205	142535	182938	220865	
	Run	95120							46427	66648	107090	127951	147532	
	End	131365							142789	181954	260284	300687	338614	
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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**HYDRAULIC SPRING RETURN SCOTCH YOKE ACTUATOR TORQUES  
TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A15H07-SR4	Start	249114						43260	116354	168563	272982			
	Run	95120						55834	93573	120529	174441			
	End	131365						161009	234102	286312	390731			
A15H08-SR4	Start	249114					18042	124905	218409					
	Run	95120					42814	97988	146265					
	End	131365					135791	242653	336158					
A15H09-SR4	Start	249114			12321	72652	153094	313977						
	Run	95120			39860	71009	112542	195606						
	End	131365			130070	190401	270842	431725						
A15H10-SR4	Start	249114		31793	116065	200337	312700							
	Run	95120		49914	93424	136934	194947							
	End	131365		149542	233814	318086	430449							
A15H12-SR4	Start	249114	11977	123873	235770									
	Run	95120	39683	97455	155228									
	End	131365	129726	241622	353518									
A15H14-SR4	Start	249114	85028	228231	371435									
	Run	95120	77399	151336	225272									
	End	131365	202776	345980	489184									
A15H06-SR3	Start	308713								82936	123340	161266	223930	
	Run	117383								84827	105688	125269	157623	
	End	160819								230830	271234	309160	371824	
A15H07-SR3	Start	308713							56755	108964	213384	267244	317803	
	Run	117383							71310	98266	152178	179986	206090	
	End	160819							204649	256859	361278	415138	465697	
A15H08-SR3	Start	308713						65306	158811	225600	359178			
	Run	117383						75725	124002	158485	227452			
	End	160819						213200	306705	373494	507072			
A15H09-SR3	Start	308713				13053	93495	254378	395151					
	Run	117383				48746	90279	173343	246025					
	End	160819				160947	241389	402272	543045					
A15H10-SR3	Start	308713			56466	140738	253101	477827						
	Run	117383			71161	114671	172684	288711						
	End	160819			204360	288632	400995	625721						
A15H12-SR3	Start	308713		64275	176171	288067	437262							
	Run	117383		75192	132965	190737	267767							
	End	160819		212169	324065	435961	585156							
A15H14-SR3	Start	308713	25429	168633	311836									
	Run	117383	55136	129073	203009									
	End	160819	173323	316527	459730									
A15H06-SR2	Start	373204								18446	58849	96775	159439	
	Run	139297								62914	83774	103356	135709	
	End	198064								193585	233989	271915	334579	
A15H07-SR2	Start	373204								44474	148893	202753	253312	336848
	Run	139297								76352	130264	158072	184176	227306
	End	198064								219614	324033	377893	428452	511988
A15H08-SR2	Start	373204								94320	161109	294687	363588	
	Run	139297								102088	136571	205538	241112	
	End	198064								269460	336249	469827	538728	
A15H09-SR2	Start	373204					29004	189887	330660	431212				
	Run	139297					68365	151430	224111	276026				
	End	198064					204144	365027	505800	606352				
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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**HYDRAULIC SPRING RETURN SCOTCH YOKE ACTUATOR TORQUES  
TORQUE DATA IN METRIC (Nm)**



ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											
A15H10-SR2	Start	373204				76248	188610	413336						
	Run	139297				92757	150770	266797						
	End	198064				251387	363750	588476						
A15H12-SR2	Start	373204			111680	223576	372771							
	Run	139297			111051	168823	245853							
	End	198064			286820	398716	547911							
A15H14-SR2	Start	373204		104142	247345	390549								
	Run	139297		107159	181095	255032								
	End	198064		279282	422485	565689								
ACTUATOR MODEL NO.	SPRING TORQUE START/MINIMUM/END (NM)		OPERATING HYDRAULIC PRESSURE (BAR)											
			35	50	65	80	100	140	175	200	250	276	300	340
			HYDRAULIC TORQUE OUTPUT START/MINIMUM/END IN NM											

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