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| 2 Emilio NSUE | Defender | Equatorial Guinea international, from Middlesbrough on 18/1/2017 |
| 3 Jonathan GROUNDS | Defender | Summer signing 2014. From Oldham Athletic. |
| 4 Marc ROBERTS | Defender | Signed from Barnsley on 1/7/2017. |
| 5 Maxime COLIN | Defender | French, signed from Brentford 31/8/2017 |
| 6 Maikel KIEFTENBELD | Midfielder | Dutch, signed July 2015, from FC Groningen, has played in Netherlands Under 21 team. |
| 8 Craig GARDNER | Midfielder | On loan from WBA, in January 2017. Signed in summer of 2017. |
| 10 Lukas JUTKIEWICZ | Forward | On loan from Burnley 31/8/2016, permanent transfer in January 2017. |
| 11 Isaac VASSELL | Forward | Signed from Luton Town, 14/8/2017 |
| 12 Harlee DEAN | Defender | Signed from Brentford 30/8/2017 |
| 13 David STOCKDALE | Goalkeeper | Free transfer from Brighton & Hove Albion on 1/7/2017 |
| 14 Che ADAMS | Forward | Signed from Sheffield United in August 2016. |
| 15 Cohen BRAMALL | Defender | Came on 21/8/2017 on season-long loan from Arsenal |
| 17 Cheikh NDOYE | Midfielder | Senegalese International, signed from Angers on 14/7/2017 |
| 18 Sam GALLAGHER | Forward | Came on 21/8/2017 on season-long loan from Southampton |
| 19 Jacques MAGHOMA | Midfielder | Congolese, signed in June 2015, from Sheffield Wednesday. |
| 20 Jeremie BOGA | Midfielder | Came on 28/8/2017 on season-long loan from Chelsea |
| 21 Jason LOWE | Midfielder | Signed on 31/8/2017, free agent - left Blackburn following their relegation. |
| 22 Carl JENKINSON | Defender | Came on 21/8/2017 on season-long loan from Arsenal |
| 23 David COTTERILL | Midfielder | Wales International, signed before 2014/15 season. |
| 24 Liam WALSH | Midfielder | Eligible to play for both England and Italy. On loan from Everton, 31/8/2017 |
| 25 Josh DACRES-COGLEY | Defender | From Academy, given First Team squad number July 2016. |
| 26 David DAVIS | Midfielder | Signed 11/8/2014 from Wolverhampton Wanderers |
| 27 JOTA | Midfielder | Spanish, from Brentford 31/8/2017. Name: José Ignacio Peleteiro Ramallo |
| 28 Michael MORRISON | Defender | Initially signed as loan player but signed contract in January 2015 window. |
| 29 Tomasz KUSZCZAK | Goalkeeper | Polish international, signed July 2015, played for Hertha Berlin, West Brom, Man U and Brighton and Hove Albion |
| 30 Corey O'KEEFFE | Midfielder | Irish, from Academy, debut as late sub at Newcastle on 10/12/2016. Contract extended to 2020 in August 2017. |
| 39 Connal TRUEMAN | Goalkeeper | Joined Academy in 2007. Went on loan to Solihull Moors at start of 2017-18 season but recalled when Stockdale was injured. |
| 40 Paul ROBINSON | Defender | Signed September 2012. |
| 44 Nicolai BROCK-MADSEN | Forward | Danish International, signed from Randers FC in August 2015. Was out on loan for 2016/2017 season |
| 45 Wes HARDING | Defender | From Academy, given squad number in August 2017 |
| 50 Stephen GLEESON | Midfielder | Irish, summer signing 2014, from MK Dons. |